

Supplementary Document 11

Shift-Share Analysis: Tennessee, 2005 - 2018

**Prepared for the Appalachian Regional Commission by the
West Virginia University Regional Research Institute**

Randall Jackson and Peter Jarosi

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Chapter 1. Anderson County, Tennessee

Employment in Anderson County, Tennessee, grew from 38,502 in 2005 to 39,294 in 2018, for a change of 792, or 2.06%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Anderson County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	4,345	-3,545	-297	-3,248
vs. Appalachia	125	665	1,145	-480
vs. Neighbors	1,915	-1,126	-743	-383

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Anderson County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 1. Anderson County, Tennessee

Industry Group Membership for Anderson County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
47	Insurance carriers and ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B II b i	yes	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Anderson County, Tennessee vs. the United States

Groups a, b, and c are from Anderson County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Anderson County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Anderson County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Anderson County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Anderson County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Anderson County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

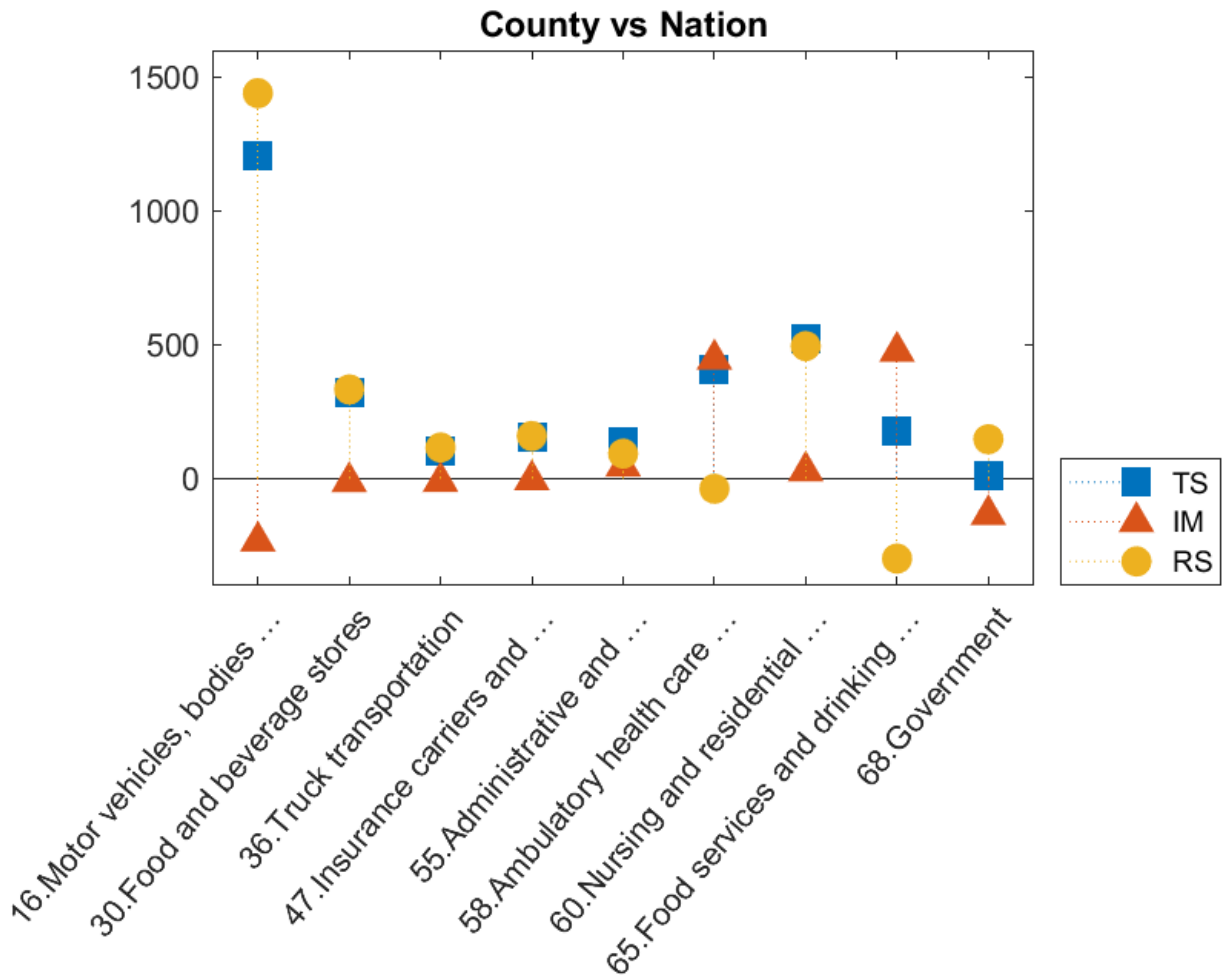
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Anderson County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Anderson County, Tennessee vs the U.S.

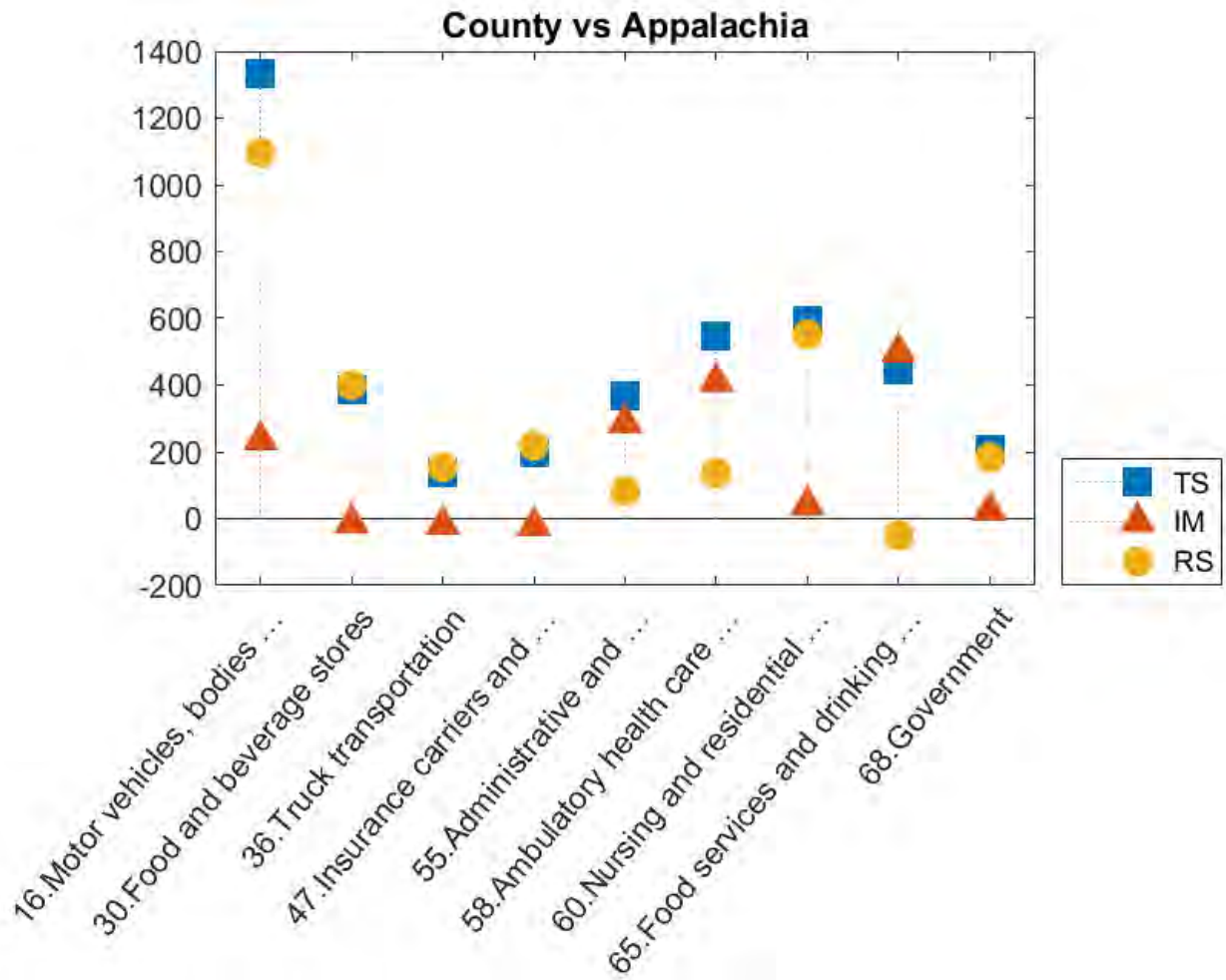


Chapter 1. Anderson County, Tennessee

Anderson County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	131	1,206	-234	1,440	2,496
30	Food and beverage stores	69	321	-12	333	997
36	Truck transportation	32	105	-11	116	419
47	Insurance carriers and ...	44	154	-5	159	588
55	Administrative and ...	238	139	46	93	2,487
58	Ambulatory health care ...	143	408	446	-38	1,822
60	Nursing and residential ...	71	523	28	495	1,223
65	Food services and drinking ...	281	176	475	-299	2,946
68	Government	201	12	-135	147	1,994

Selected SSA Components for Anderson County, Tennessee vs the Appalachian Region

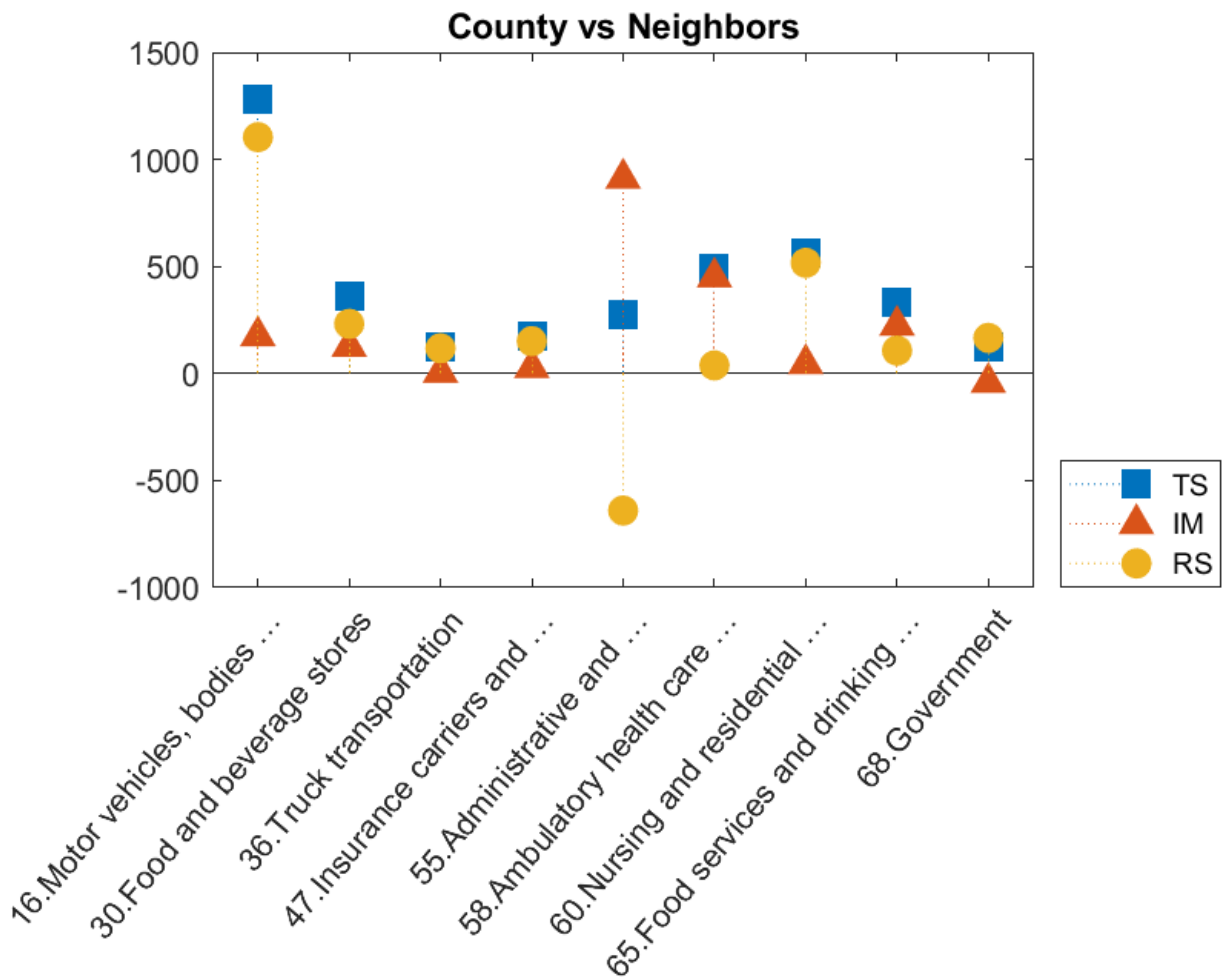


Chapter 1. Anderson County, Tennessee

Selected SSA Components for Anderson County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	4	1,333	236	1,097	2,496
30	Food and beverage stores	2	387	-13	400	997
36	Truck transportation	1	136	-18	154	419
47	Insurance carriers and ...	1	197	-21	218	588
55	Administrative and ...	7	370	287	83	2,487
58	Ambulatory health care ...	4	546	410	136	1,822
60	Nursing and residential ...	2	592	40	552	1,223
65	Food services and drinking ...	8	448	498	-50	2,946
68	Government	6	207	24	183	1,994

Selected SSA Components for Anderson County, Tennessee vs Neighbors



Chapter 1. Anderson County, Tennessee

Selected SSA Components for Anderson County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	58	1,280	176	1,104	2,496
30	Food and beverage stores	30	358	126	232	997
36	Truck transportation	14	123	5	118	419
47	Insurance carriers and ...	19	178	27	151	588
55	Administrative and ...	105	272	912	-640	2,487
58	Ambulatory health care ...	63	488	450	38	1,822
60	Nursing and residential ...	31	562	45	517	1,223
65	Food services and drinking ...	124	332	225	107	2,946
68	Government	89	124	-42	166	1,994

Chapter 2. Bledsoe County, Tennessee

Employment in Bledsoe County, Tennessee, grew from 1,452 in 2005 to 1,819 in 2018, for a change of 367, or 25.28%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Bledsoe County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	161	198	28	170
vs. Appalachia	2	360	-1	361
vs. Neighbors	-0	370	273	97

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Bledsoe County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 2. Bledsoe County, Tennessee

Industry Group Membership for Bledsoe County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a i	no	yes	yes	yes
08	Construction	F III c i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Bledsoe County, Tennessee vs. the United States

Groups a, b, and c are from Bledsoe County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Bledsoe County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Bledsoe County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Bledsoe County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Bledsoe County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Bledsoe County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

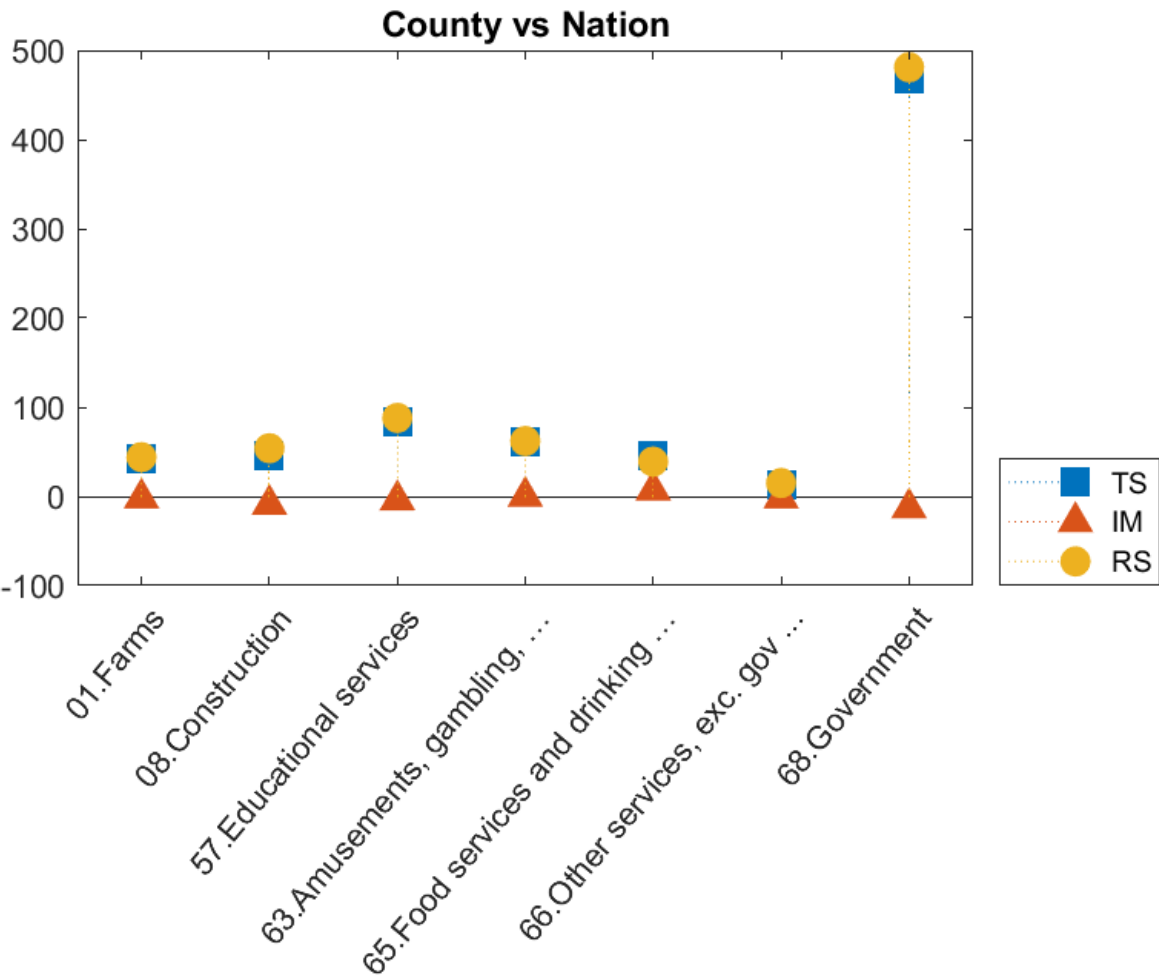
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Bledsoe County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Bledsoe County, Tennessee vs the U.S.

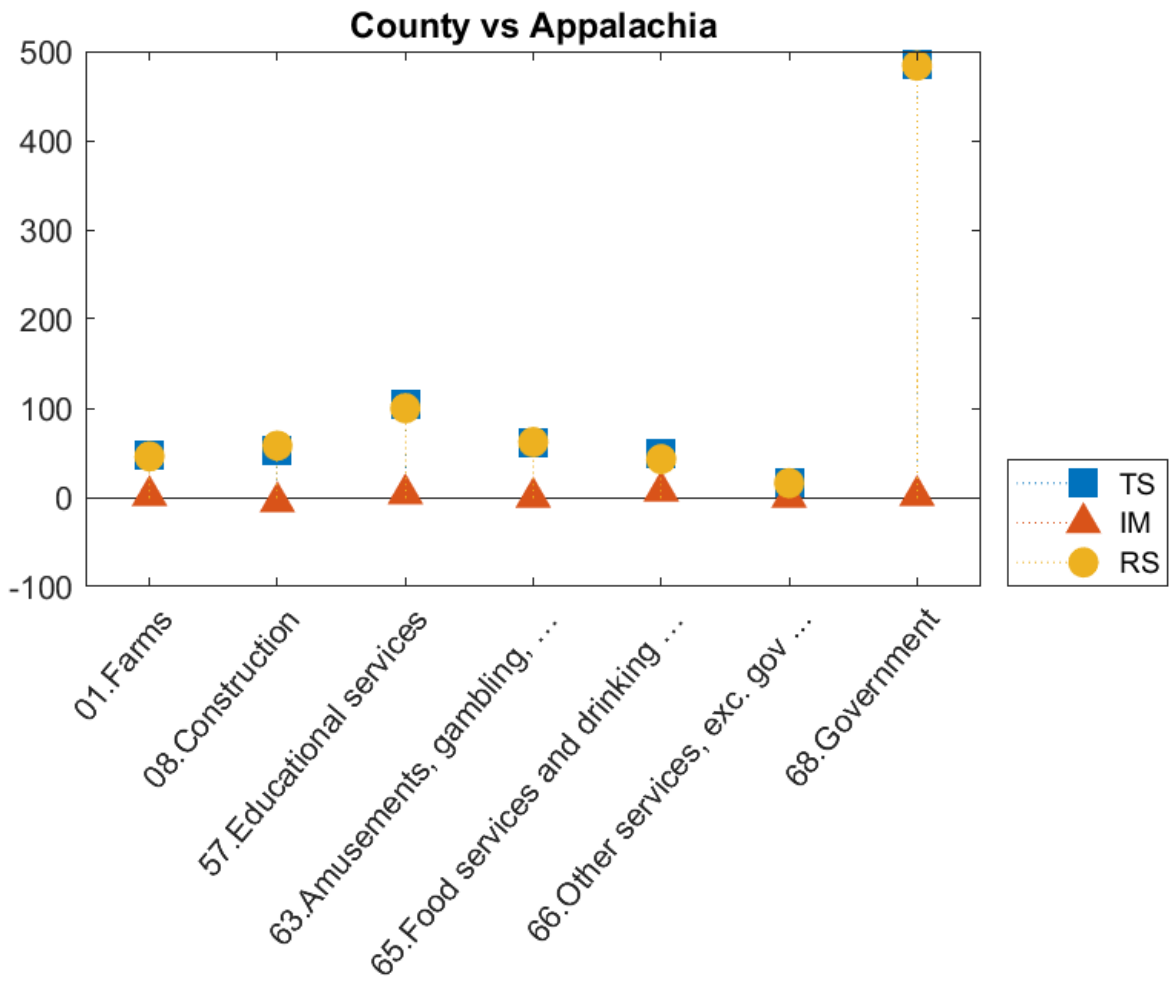


Chapter 2. Bledsoe County, Tennessee

Bledsoe County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	6	42	-2	44	102
08	Construction	8	45	-9	54	127
57	Educational services	19	84	-4	88	273
63	Amusements, gambling, ...	0	62	0	62	62
65	Food services and drinking ...	4	46	7	39	86
66	Other services, exc. gov ...	2	13	-2	15	36
68	Government	20	468	-13	481	663

Selected SSA Components for Bledsoe County, Tennessee vs the Appalachian Region

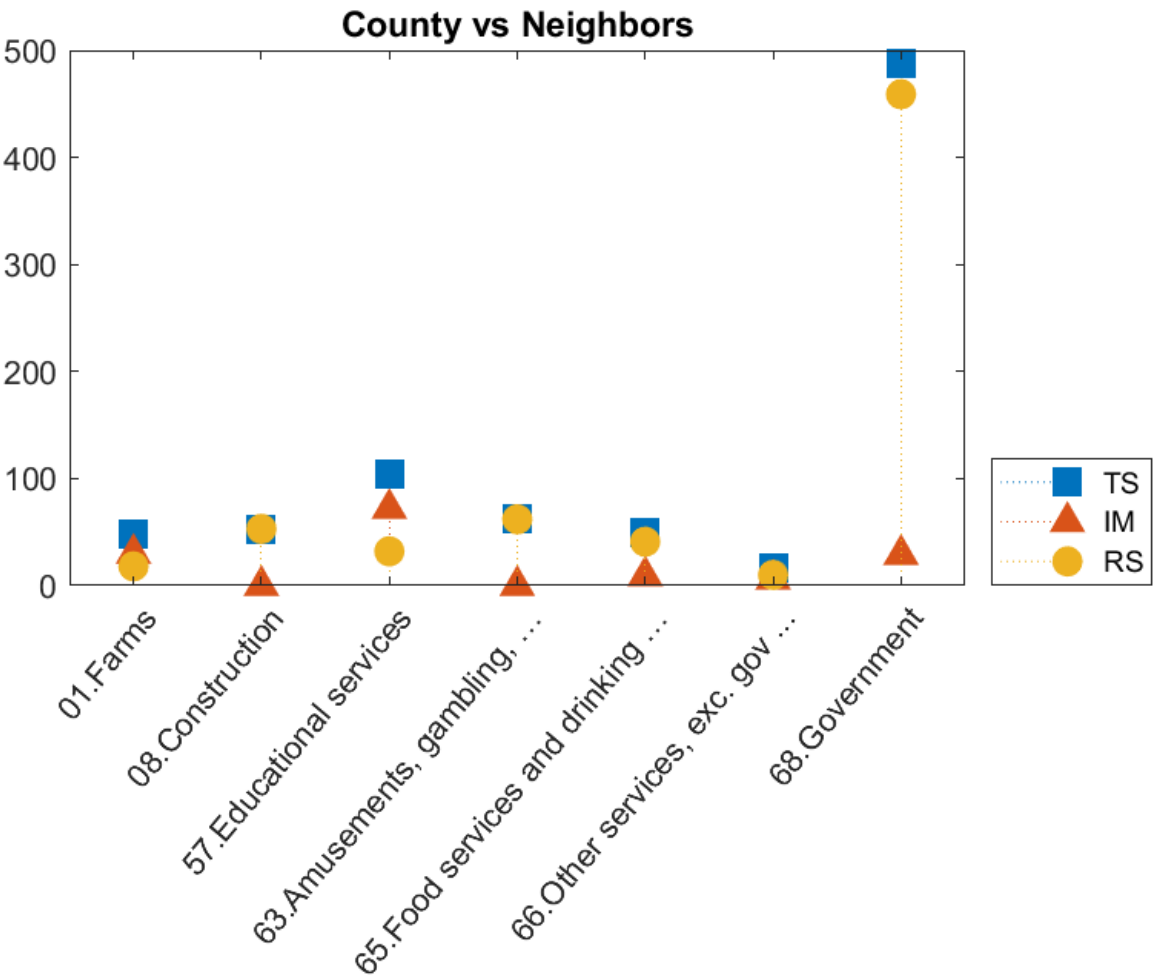


Chapter 2. Bledsoe County, Tennessee

Selected SSA Components for Bledsoe County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	48	2	46	102
08	Construction	0	53	-5	58	127
57	Educational services	1	104	4	100	273
63	Amusements, gambling, ...	0	62	0	62	62
65	Food services and drinking ...	0	50	7	43	86
66	Other services, exc. gov ...	0	16	-0	16	36
68	Government	1	486	2	484	663

Selected SSA Components for Bledsoe County, Tennessee vs Neighbors



Chapter 2. Bledsoe County, Tennessee

Selected SSA Components for Bledsoe County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	-0	48	30	18	102
08	Construction	-0	53	0	53	127
57	Educational services	-0	104	72	32	273
63	Amusements, gambling, ...	-0	62	0	62	62
65	Food services and drinking ...	-0	50	9	41	86
66	Other services, exc. gov ...	-0	16	6	10	36
68	Government	-0	488	29	459	663

Chapter 3. Blount County, Tennessee

Employment in Blount County, Tennessee, grew from 41,235 in 2005 to 49,672 in 2018, for a change of 8,437, or 20.46%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Blount County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	4,650	3,791	-1,786	5,577
vs. Appalachia	134	8,295	332	7,963
vs. Neighbors	4,440	4,002	-610	4,612

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Blount County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 3. Blount County, Tennessee

Industry Group Membership for Blount County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
30	Food and beverage stores	F III c ii	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
39	Other transportation ...	E I c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
59	Hospitals	E II a iii	no	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B II a iii	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Blount County, Tennessee vs. the United States

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Below we report the results for the three shift-share analyses comparing Blount County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Blount County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

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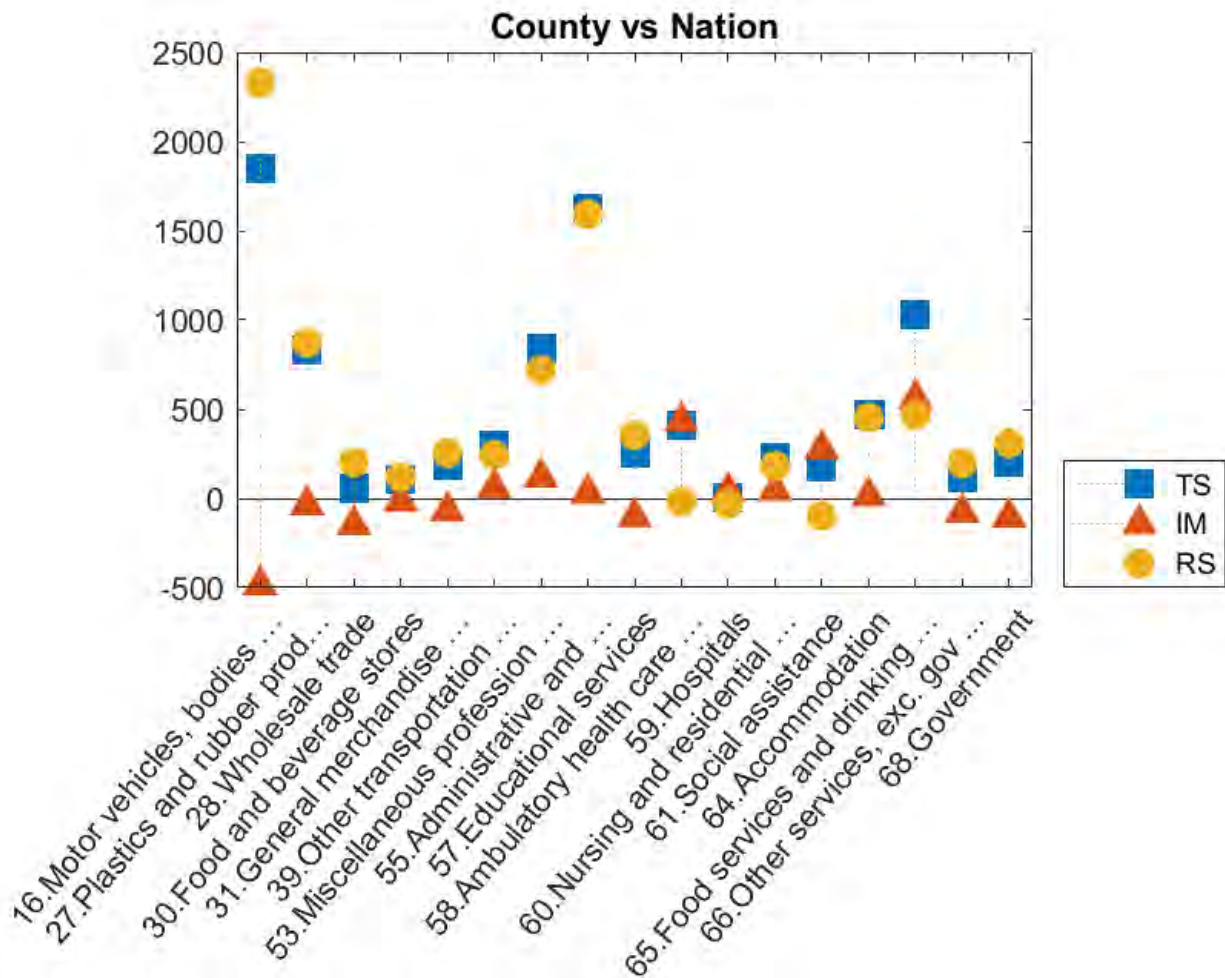
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Blount County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

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Selected SSA Components for Blount County, Tennessee vs the U.S.

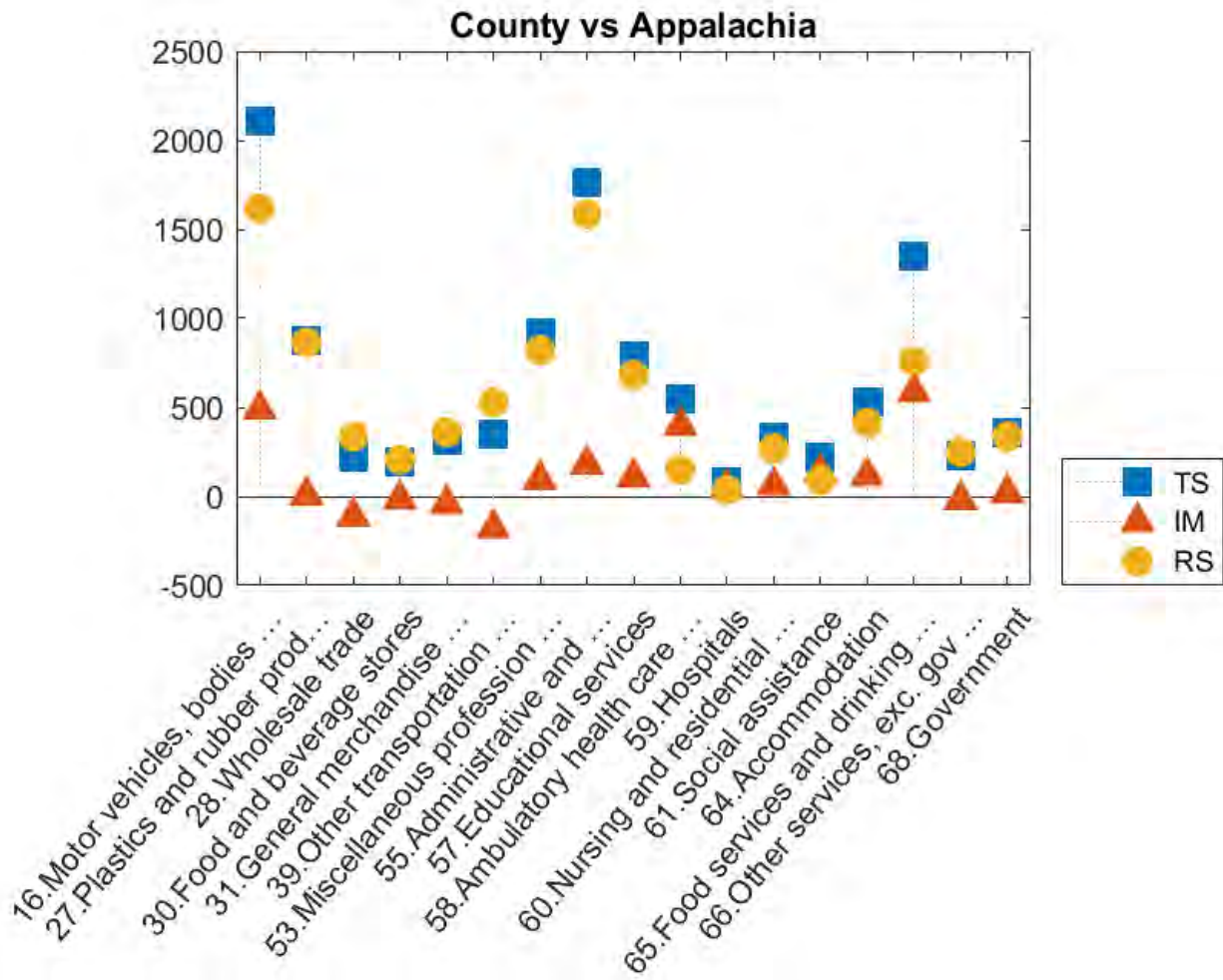


Chapter 3. Blount County, Tennessee

Blount County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	271	1,845	-486	2,331	4,524
27	Plastics and rubber prod...	37	836	-36	872	1,201
28	Wholesale trade	175	54	-148	202	1,781
30	Food and beverage stores	88	105	-16	121	973
31	General merchandise ...	136	186	-70	256	1,530
39	Other transportation ...	47	301	58	243	764
53	Miscellaneous profession ...	79	839	119	720	1,623
55	Administrative and ...	150	1,622	29	1,593	3,097
57	Educational services	556	251	-104	355	5,742
58	Ambulatory health care ...	139	413	432	-19	1,784
59	Hospitals	79	8	39	-31	785
60	Nursing and residential ...	112	227	44	183	1,327
61	Social assistance	48	178	277	-99	649
64	Accommodation	64	466	13	453	1,095
65	Food services and drinking ...	331	1,027	560	467	4,296
66	Other services, exc. gov ...	115	117	-79	196	1,252
68	Government	157	204	-106	310	1,753

Selected SSA Components for Blount County, Tennessee vs the Appalachian Region

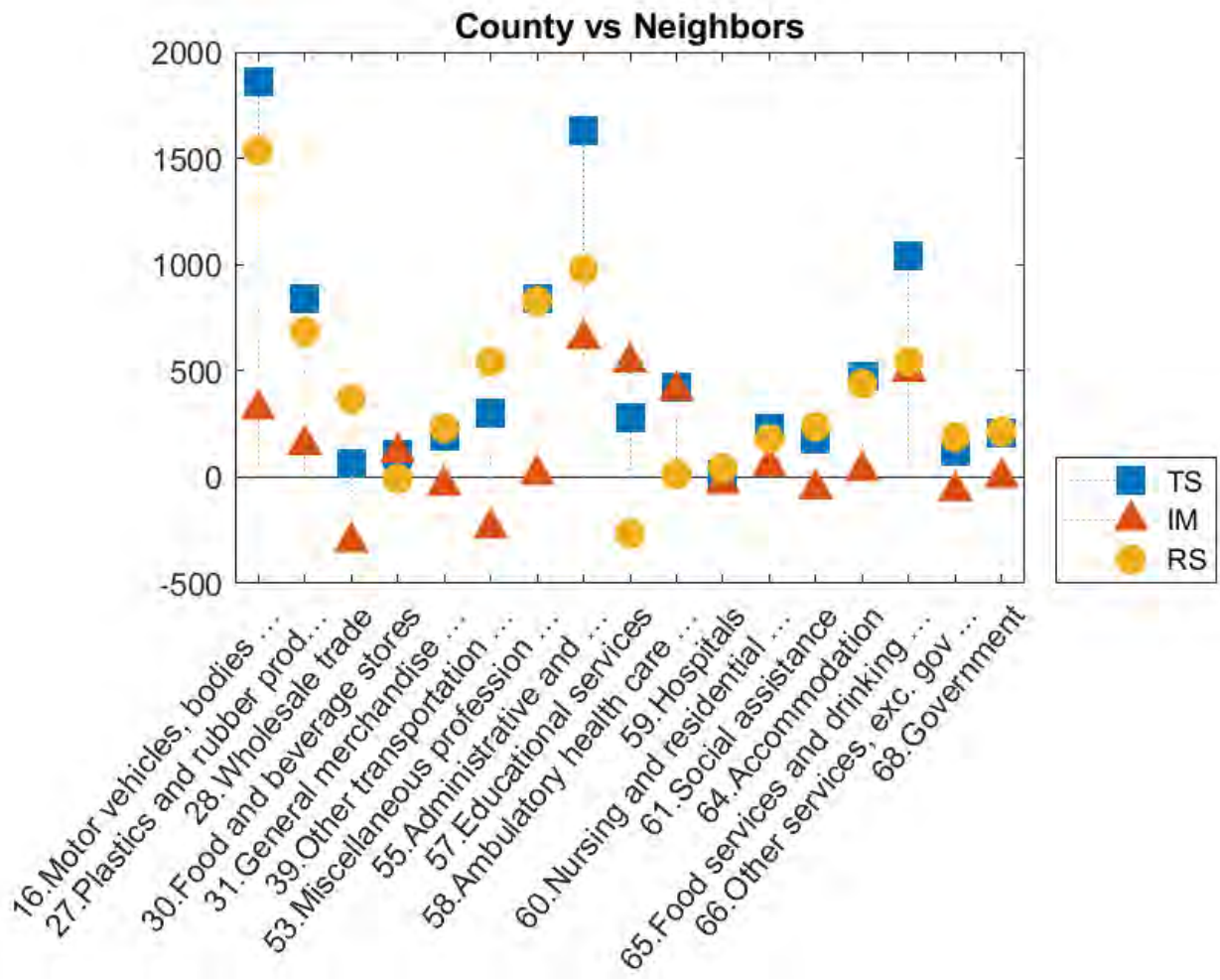


Chapter 3. Blount County, Tennessee

Selected SSA Components for Blount County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	8	2,108	490	1,618	4,524
27	Plastics and rubber prod...	1	871	6	865	1,201
28	Wholesale trade	5	223	-113	336	1,781
30	Food and beverage stores	3	191	-16	207	973
31	General merchandise ...	4	318	-42	360	1,530
39	Other transportation ...	1	347	-180	527	764
53	Miscellaneous profession ...	2	916	94	822	1,623
55	Administrative and ...	5	1,766	180	1,586	3,097
57	Educational services	17	791	108	683	5,742
58	Ambulatory health care ...	4	548	398	150	1,784
59	Hospitals	2	85	47	38	785
60	Nursing and residential ...	3	334	63	271	1,327
61	Social assistance	1	224	132	92	649
64	Accommodation	2	528	115	413	1,095
65	Food services and drinking ...	10	1,348	587	761	4,296
66	Other services, exc. gov ...	3	229	-19	248	1,252
68	Government	5	356	18	338	1,753

Selected SSA Components for Blount County, Tennessee vs Neighbors



Chapter 3. Blount County, Tennessee

Selected SSA Components for Blount County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	259	1,857	320	1,537	4,524
27	Plastics and rubber prod...	35	837	152	685	1,201
28	Wholesale trade	167	62	-305	367	1,781
30	Food and beverage stores	84	109	116	-7	973
31	General merchandise ...	130	192	-39	231	1,530
39	Other transportation ...	45	304	-240	544	764
53	Miscellaneous profession ...	76	842	13	829	1,623
55	Administrative and ...	143	1,628	650	978	3,097
57	Educational services	531	276	541	-265	5,742
58	Ambulatory health care ...	133	420	408	12	1,784
59	Hospitals	75	12	-31	43	785
60	Nursing and residential ...	106	231	52	179	1,327
61	Social assistance	46	181	-56	237	649
64	Accommodation	61	470	31	439	1,095
65	Food services and drinking ...	316	1,042	497	545	4,296
66	Other services, exc. gov ...	110	123	-65	188	1,252
68	Government	150	211	-3	214	1,753

Chapter 4. Bradley County, Tennessee

Employment in Bradley County, Tennessee, grew from 37,953 in 2005 to 42,160 in 2018, for a change of 4,207, or 11.08%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Bradley County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	4,279	-72	-1,582	1,510
vs. Appalachia	128	4,082	-453	4,535
vs. Neighbors	-902	5,114	2,588	2,526

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Bradley County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 4. Bradley County, Tennessee

Industry Group Membership for Bradley County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c i	no	yes	yes	yes
10	Nonmetallic mineral prod ...	F III c i	no	yes	yes	yes
20	Food and beverage ...	E I c iii	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
40	Warehousing and storage	E I a iii	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A V b ii	yes	no	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
61	Social assistance	B V b ii	yes	no	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Bradley County, Tennessee vs. the United States

Groups a, b, and c are from Bradley County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Bradley County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Bradley County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Bradley County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Bradley County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Bradley County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

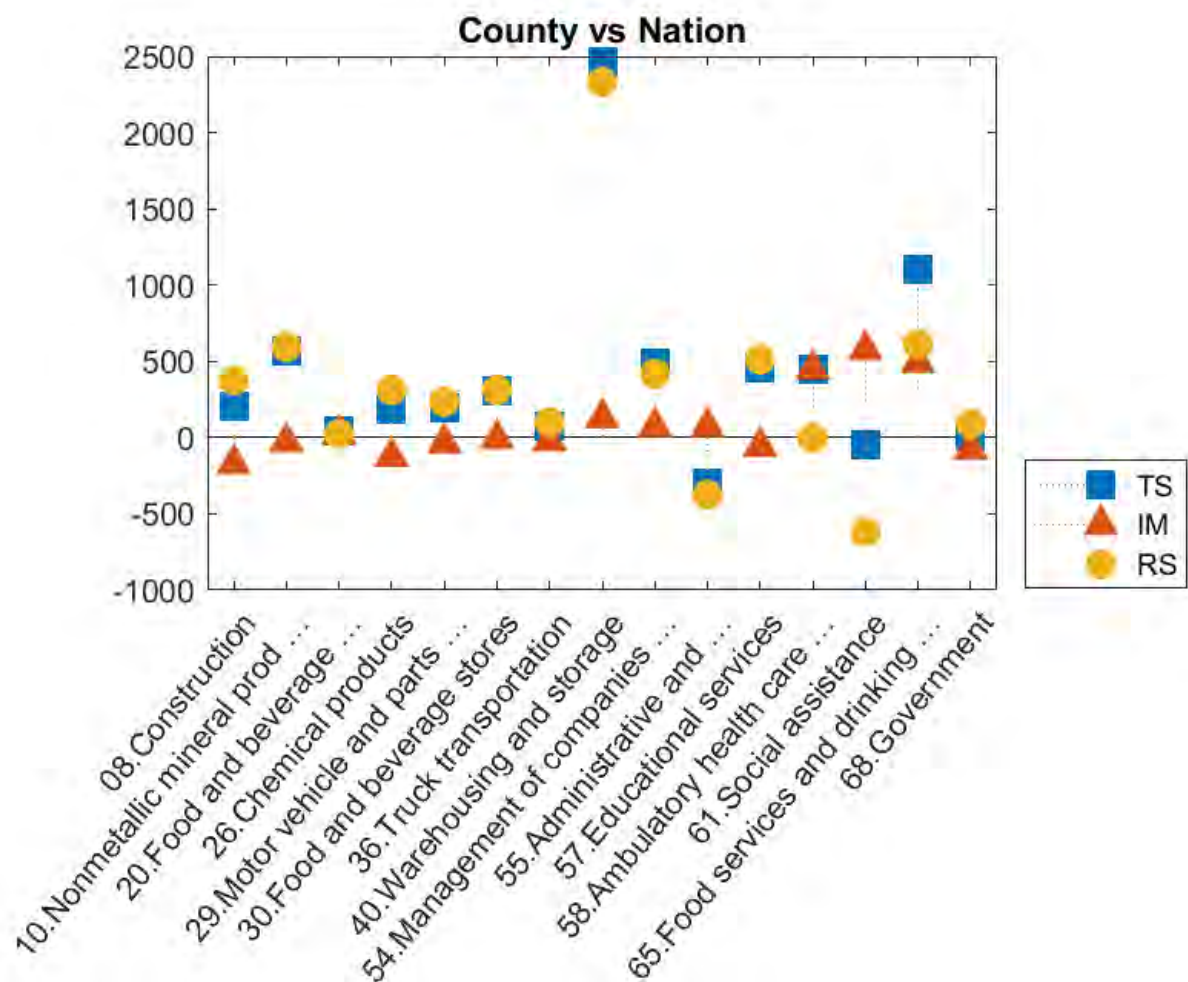
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Bradley County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Bradley County, Tennessee vs the U.S.

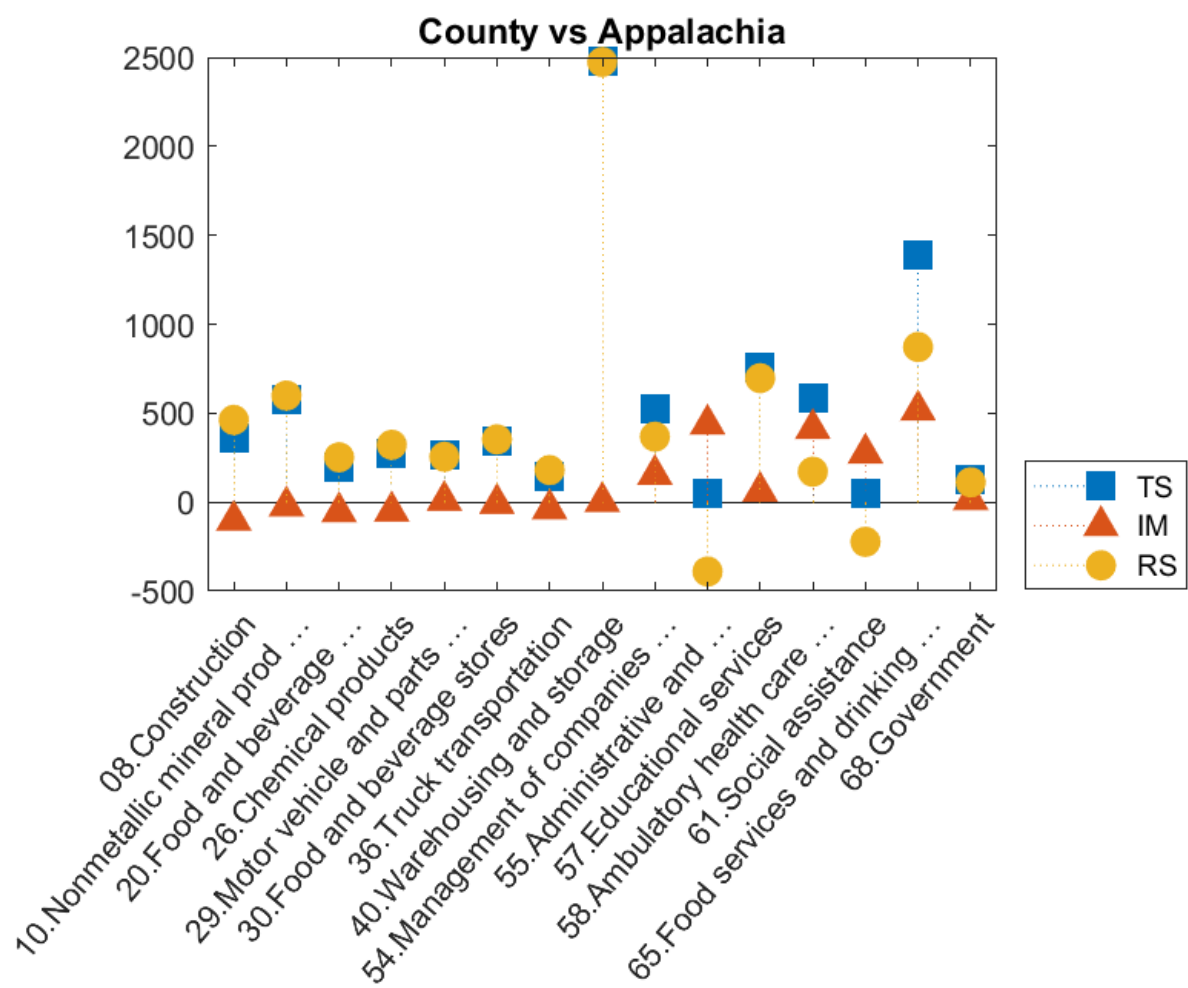


Chapter 4. Bradley County, Tennessee

Bradley County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	160	205	-172	377	1,783
10	Nonmetallic mineral prod	11	566	-28	594	674
20	Food and beverage ...	156	45	22	23	1,589
26	Chemical products	87	186	-125	311	1,049
29	Motor vehicle and parts ...	65	200	-36	236	844
30	Food and beverage stores	44	302	-8	310	736
36	Truck transportation	66	78	-22	100	729
40	Warehousing and storage	17	2,460	128	2,332	2,630
54	Management of companies ...	34	490	71	419	826
55	Administrative and ...	363	-304	70	-374	3,277
57	Educational services	310	456	-58	514	3,517
58	Ambulatory health care ...	144	444	449	-5	1,867
61	Social assistance	99	-44	576	-620	934
65	Food services and drinking ...	292	1,106	493	613	3,986
68	Government	117	12	-78	90	1,162

Selected SSA Components for Bradley County, Tennessee vs the Appalachian Region

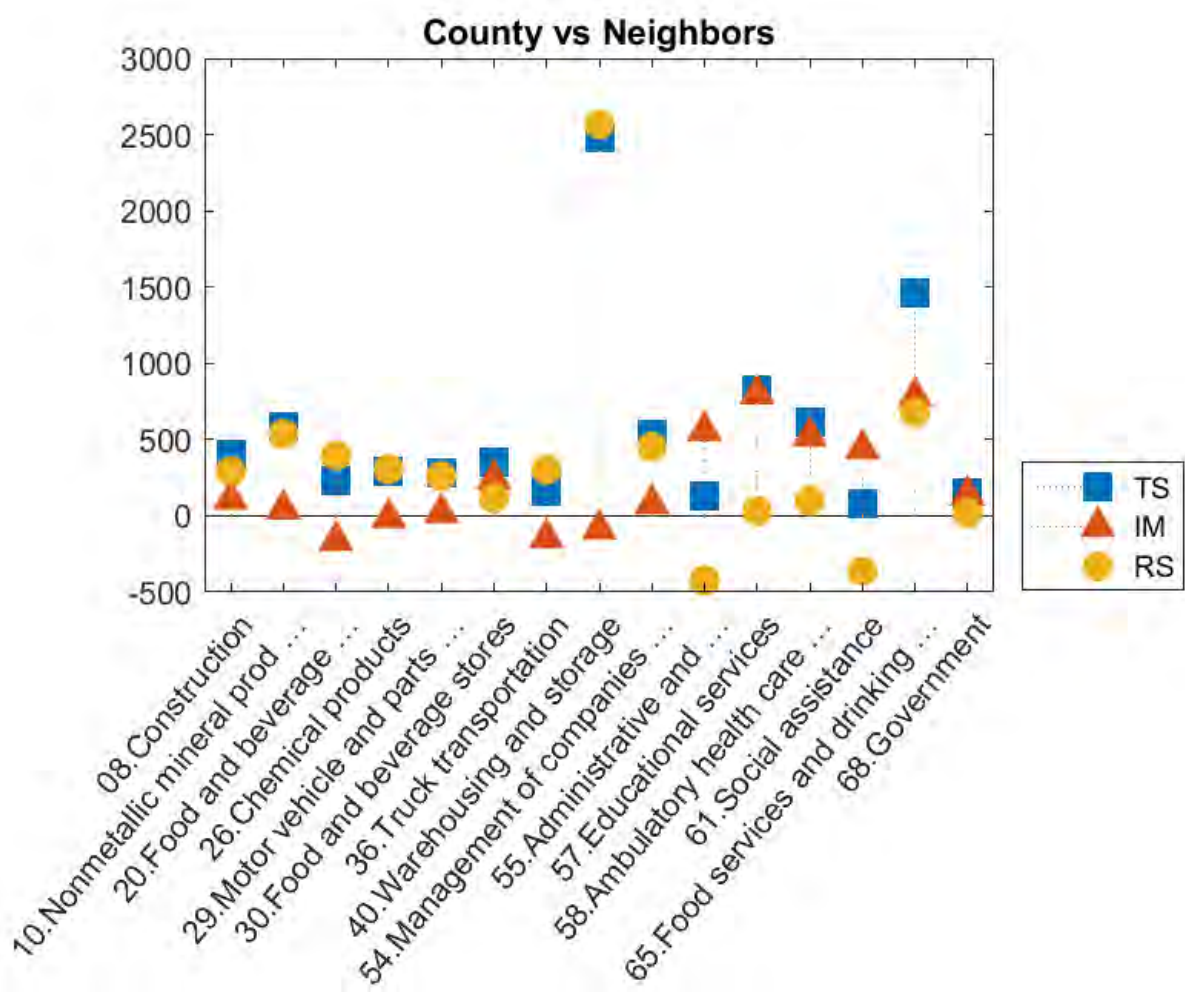


Chapter 4. Bradley County, Tennessee

Selected SSA Components for Bradley County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	5	360	-102	462	1,783
10	Nonmetallic mineral prod ...	0	577	-22	599	674
20	Food and beverage ...	5	197	-55	252	1,589
26	Chemical products	3	271	-51	322	1,049
29	Motor vehicle and parts ...	2	264	9	255	844
30	Food and beverage stores	1	345	-8	353	736
36	Truck transportation	2	142	-38	180	729
40	Warehousing and storage	1	2,477	3	2,474	2,630
54	Management of companies ...	1	523	155	368	826
55	Administrative and ...	11	48	438	-390	3,277
57	Educational services	9	757	60	697	3,517
58	Ambulatory health care ...	4	584	413	171	1,867
61	Social assistance	3	52	275	-223	934
65	Food services and drinking ...	9	1,389	517	872	3,986
68	Government	4	125	14	111	1,162

Selected SSA Components for Bradley County, Tennessee vs Neighbors



Chapter 4. Bradley County, Tennessee

Selected SSA Components for Bradley County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-34	398	107	291	1,783
10	Nonmetallic mineral prod ...	-2	580	44	536	674
20	Food and beverage ...	-33	235	-161	396	1,589
26	Chemical products	-18	293	-14	307	1,049
29	Motor vehicle and parts ...	-14	280	19	261	844
30	Food and beverage stores	-9	355	240	115	736
36	Truck transportation	-14	158	-145	303	729
40	Warehousing and storage	-4	2,481	-87	2,568	2,630
54	Management of companies ...	-7	531	79	452	826
55	Administrative and ...	-77	135	558	-423	3,277
57	Educational services	-65	831	800	31	3,517
58	Ambulatory health care ...	-30	618	521	97	1,867
61	Social assistance	-21	76	439	-363	934
65	Food services and drinking ...	-62	1,460	781	679	3,986
68	Government	-25	152	135	17	1,162

Chapter 5. Campbell County, Tennessee

Employment in Campbell County, Tennessee, declined from 10,672 in 2005 to 9,461 in 2018, for a change of -1,211, or -11.35%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Campbell County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,206	-2,414	-448	-1,966
vs. Appalachia	32	-1,242	-100	-1,142
vs. Neighbors	-546	-667	-241	-426

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Campbell County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 5. Campbell County, Tennessee

Industry Group Membership for Campbell County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
15	Electrical equipment, ...	D III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Campbell County, Tennessee vs. the United States

Groups a, b, and c are from Campbell County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Campbell County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Campbell County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Campbell County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Campbell County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Campbell County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

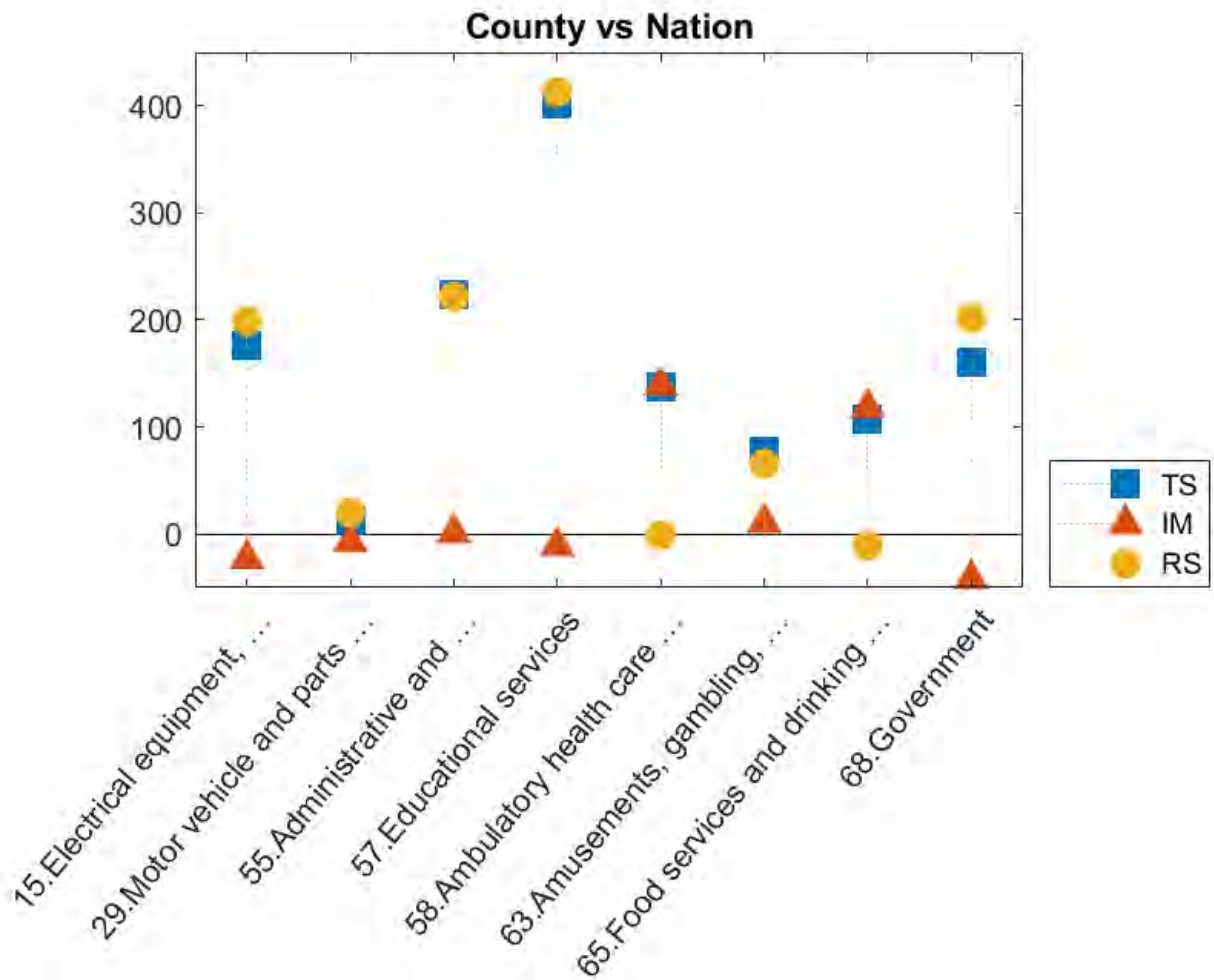
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Campbell County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Campbell County, Tennessee vs the U.S.

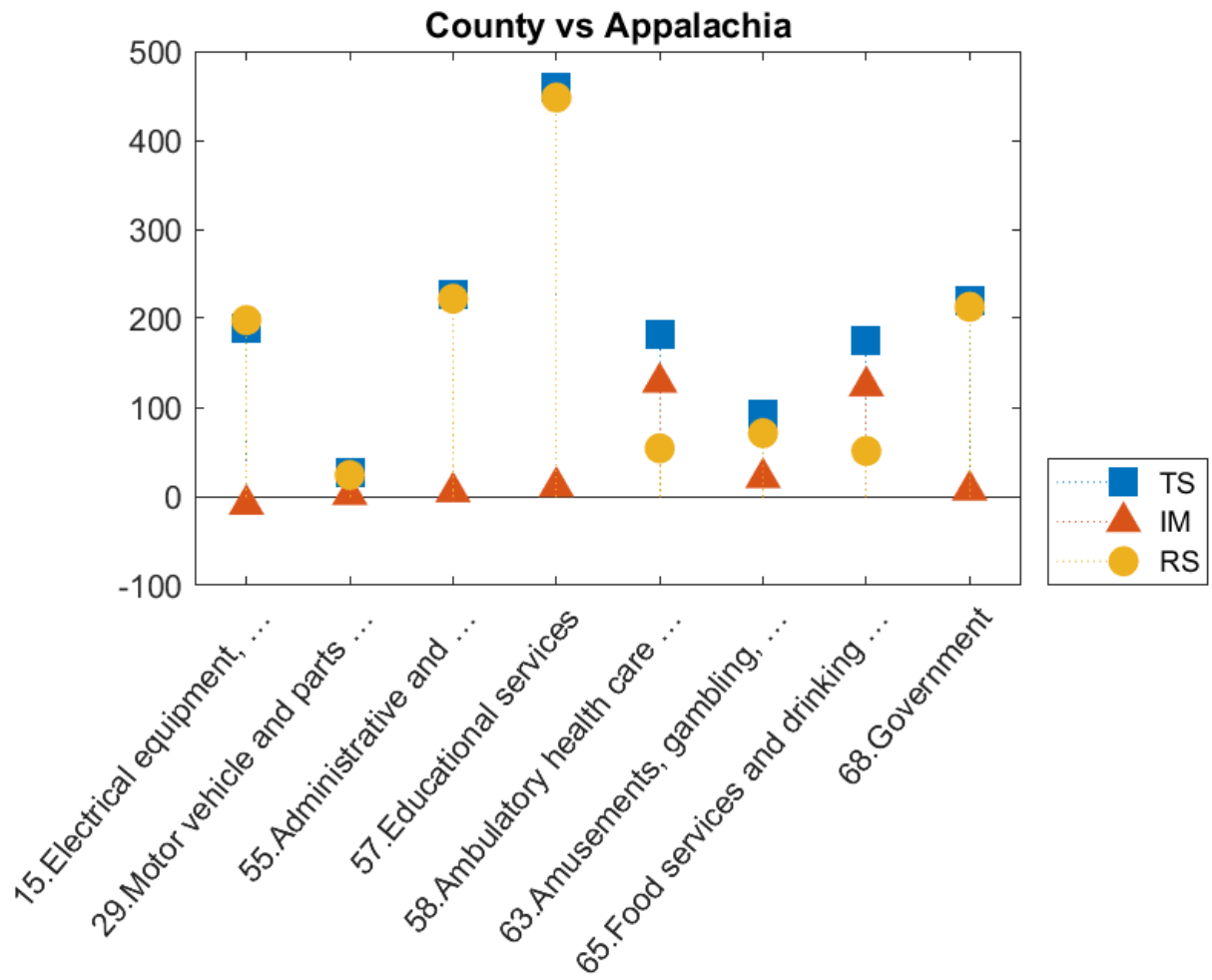


Chapter 5. Campbell County, Tennessee

Campbell County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	13	176	-23	199	305
29	Motor vehicle and parts ...	13	13	-7	20	143
55	Administrative and ...	4	223	1	222	266
57	Educational services	59	402	-11	413	987
58	Ambulatory health care ...	45	138	139	-1	579
63	Amusements, gambling, ...	16	77	11	66	232
65	Food services and drinking ...	70	107	118	-11	795
68	Government	63	160	-42	202	777

Selected SSA Components for Campbell County, Tennessee vs the Appalachian Region

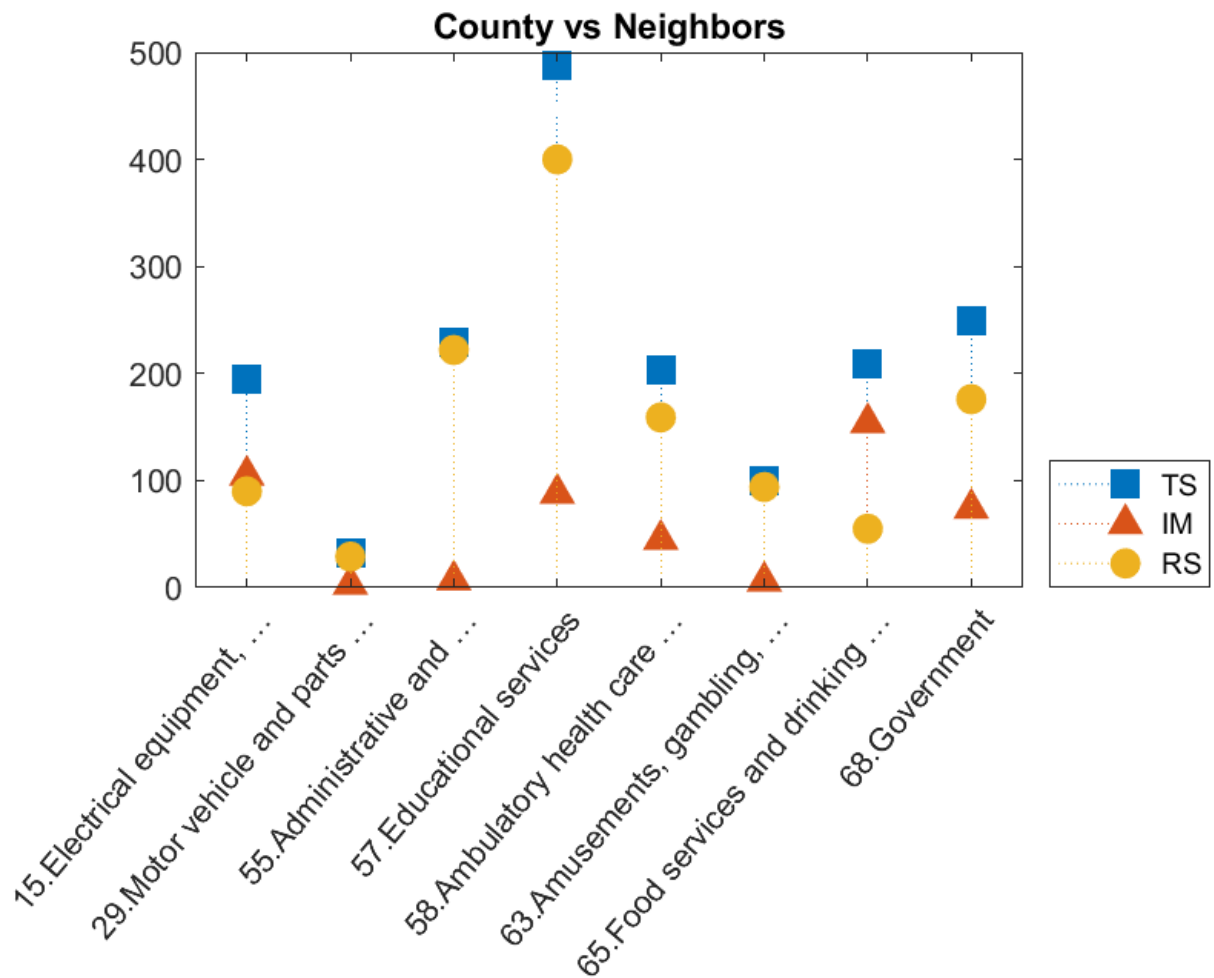


Chapter 5. Campbell County, Tennessee

Selected SSA Components for Campbell County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	0	189	-9	198	305
29	Motor vehicle and parts ...	0	26	2	24	143
55	Administrative and ...	0	227	5	222	266
57	Educational services	2	459	11	448	987
58	Ambulatory health care ...	1	182	128	54	579
63	Amusements, gambling, ...	0	92	21	71	232
65	Food services and drinking ...	2	175	124	51	795
68	Government	2	220	7	213	777

Selected SSA Components for Campbell County, Tennessee vs Neighbors



Chapter 5. Campbell County, Tennessee

Selected SSA Components for Campbell County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	-6	195	105	90	305
29	Motor vehicle and parts ...	-6	32	3	29	143
55	Administrative and ...	-2	229	7	222	266
57	Educational services	-27	488	88	400	987
58	Ambulatory health care ...	-20	204	45	159	579
63	Amusements, gambling, ...	-7	100	6	94	232
65	Food services and drinking ...	-32	209	154	55	795
68	Government	-28	250	74	176	777

Chapter 6. Cannon County, Tennessee

Employment in Cannon County, Tennessee, declined from 2,837 in 2005 to 2,205 in 2018, for a change of -632, or -22.28%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Cannon County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	318	-952	-119	-833
vs. Appalachia	7	-643	-18	-625
vs. Neighbors	766	-1,400	328	-1,728

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Cannon County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 6. Cannon County, Tennessee

Industry Group Membership for Cannon County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c iii	no	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
32	Other retail	F III c iv	no	yes	yes	no
36	Truck transportation	F I c i	no	yes	yes	yes
39	Other transportation ...	E I c i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a ii	no	yes	yes	yes
65	Food services and drinking ...	B II b v	yes	yes	yes	no
66	Other services, exc. gov ...	F III c ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Cannon County, Tennessee vs. the United States

Groups a, b, and c are from Cannon County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Cannon County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Cannon County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Cannon County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Cannon County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Cannon County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

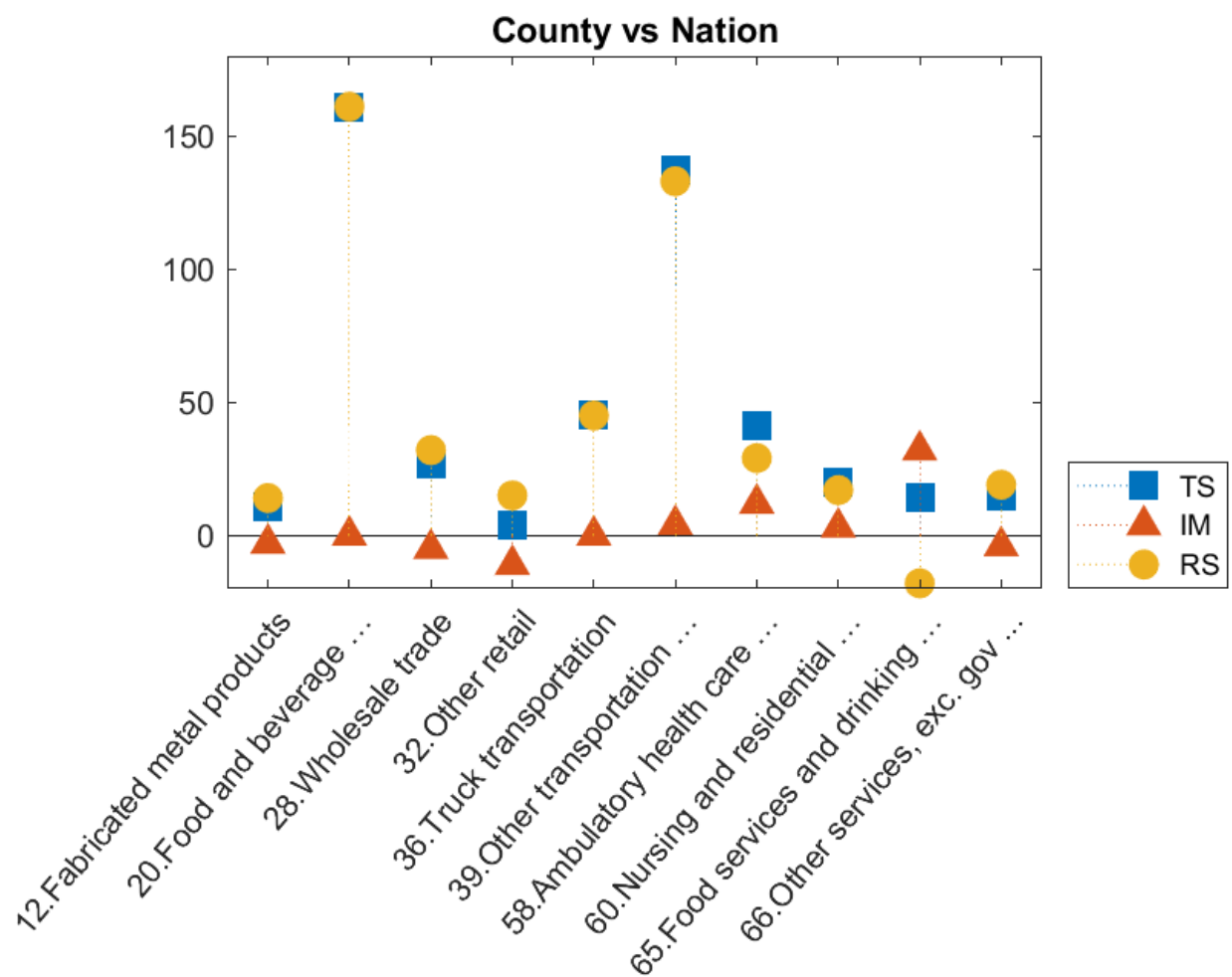
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Cannon County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Cannon County, Tennessee vs the U.S.

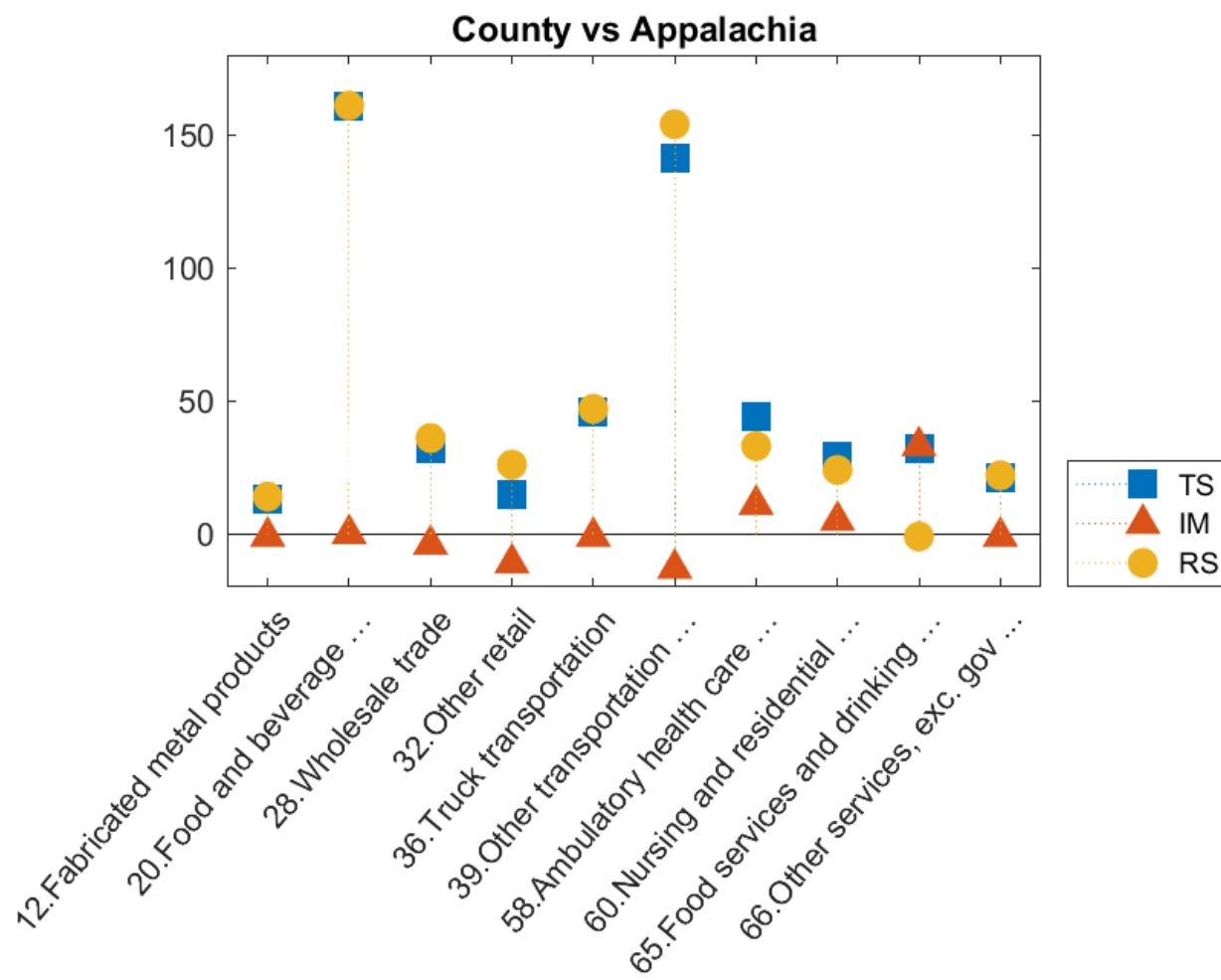


Chapter 6. Cannon County, Tennessee

Cannon County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	2	11	-3	14	31
20	Food and beverage ...	0	161	0	161	161
28	Wholesale trade	6	27	-5	32	87
32	Other retail	11	4	-11	15	116
36	Truck transportation	1	45	-0	45	56
39	Other transportation ...	3	137	4	133	172
58	Ambulatory health care ...	4	41	12	29	77
60	Nursing and residential ...	9	20	3	17	106
65	Food services and drinking ...	19	14	32	-18	200
66	Other services, exc. gov ...	6	15	-4	19	71

Selected SSA Components for Cannon County, Tennessee vs the Appalachian Region

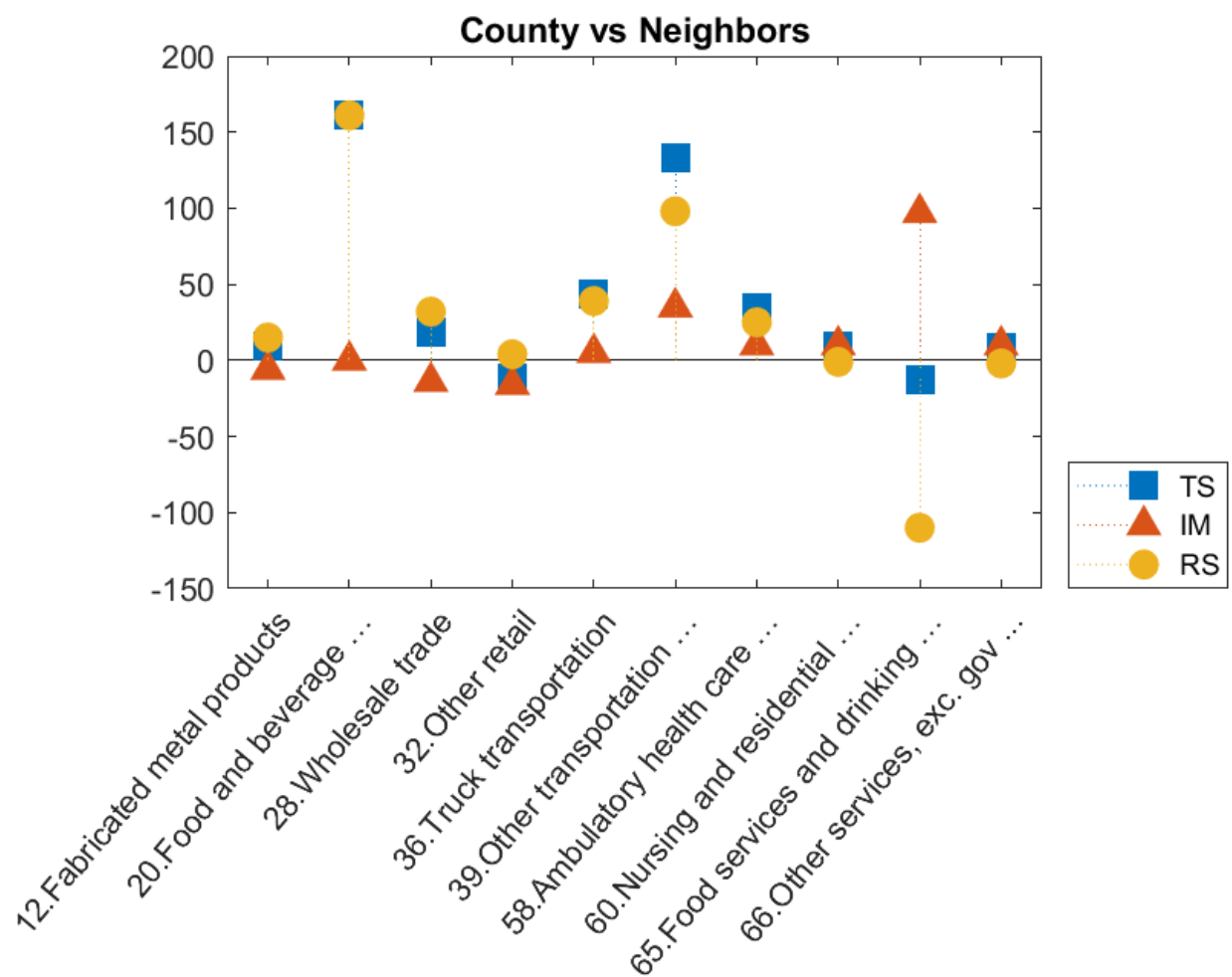


Chapter 6. Cannon County, Tennessee

Selected SSA Components for Cannon County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	13	-1	14	31
20	Food and beverage ...	0	161	0	161	161
28	Wholesale trade	0	32	-4	36	87
32	Other retail	0	15	-11	26	116
36	Truck transportation	0	46	-1	47	56
39	Other transportation ...	0	141	-13	154	172
58	Ambulatory health care ...	0	44	11	33	77
60	Nursing and residential ...	0	29	5	24	106
65	Food services and drinking ...	1	32	33	-1	200
66	Other services, exc. gov ...	0	21	-1	22	71

Selected SSA Components for Cannon County, Tennessee vs Neighbors



Chapter 6. Cannon County, Tennessee

Selected SSA Components for Cannon County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	5	9	-6	15	31
20	Food and beverage ...	0	161	0	161	161
28	Wholesale trade	15	18	-14	32	87
32	Other retail	27	-12	-16	4	116
36	Truck transportation	3	44	5	39	56
39	Other transportation ...	8	133	35	98	172
58	Ambulatory health care ...	9	35	10	25	77
60	Nursing and residential ...	21	9	10	-1	106
65	Food services and drinking ...	45	-13	97	-110	200
66	Other services, exc. gov ...	14	8	10	-2	71

Chapter 7. Carter County, Tennessee

Employment in Carter County, Tennessee, grew from 11,064 in 2005 to 11,157 in 2018, for a change of 93, or 0.84%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Carter County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,248	-1,158	-267	-891
vs. Appalachia	36	50	62	-12
vs. Neighbors	-94	192	532	-340

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Carter County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 7. Carter County, Tennessee

Industry Group Membership for Carter County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
11	Primary metals	F III c i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Carter County, Tennessee vs. the United States

Groups a, b, and c are from Carter County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Carter County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Carter County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Carter County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Carter County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Carter County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

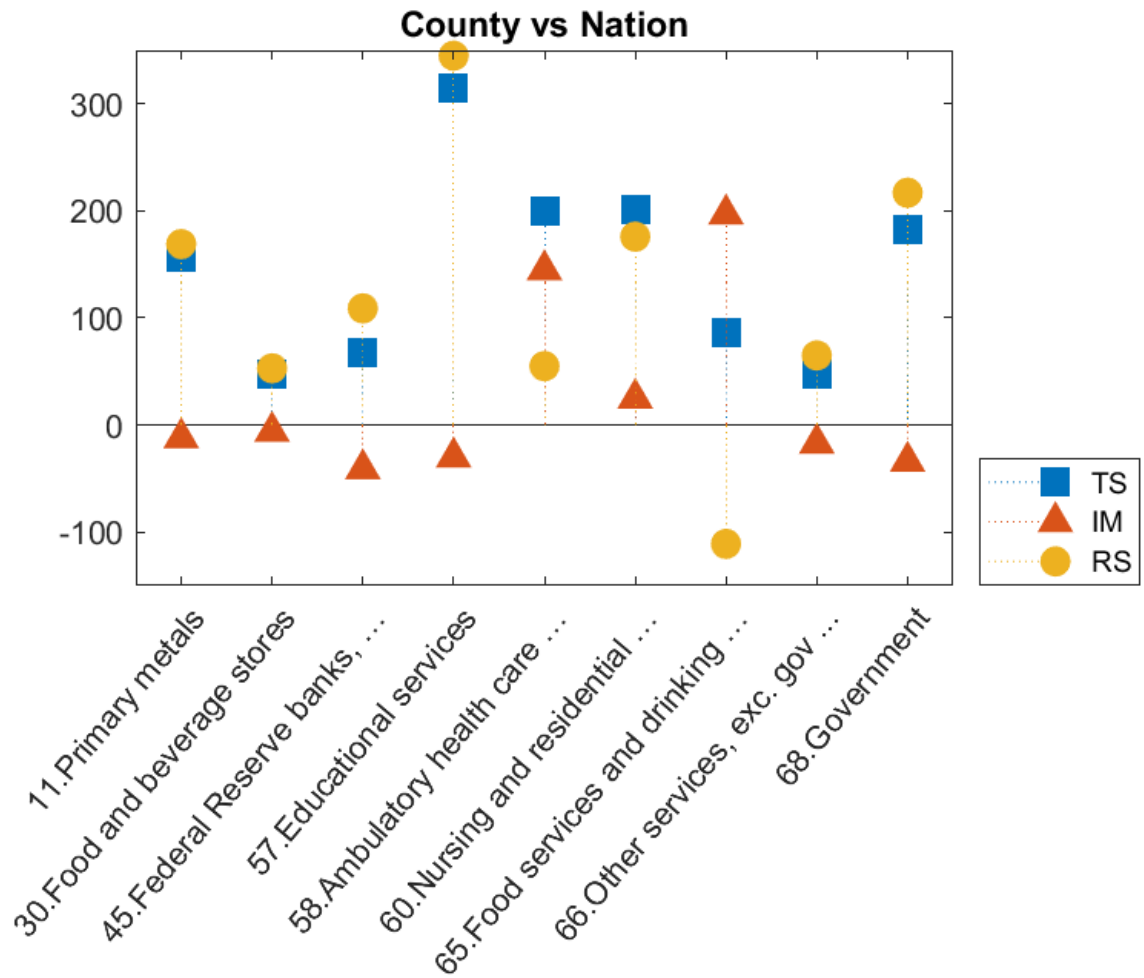
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Carter County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Carter County, Tennessee vs the U.S.

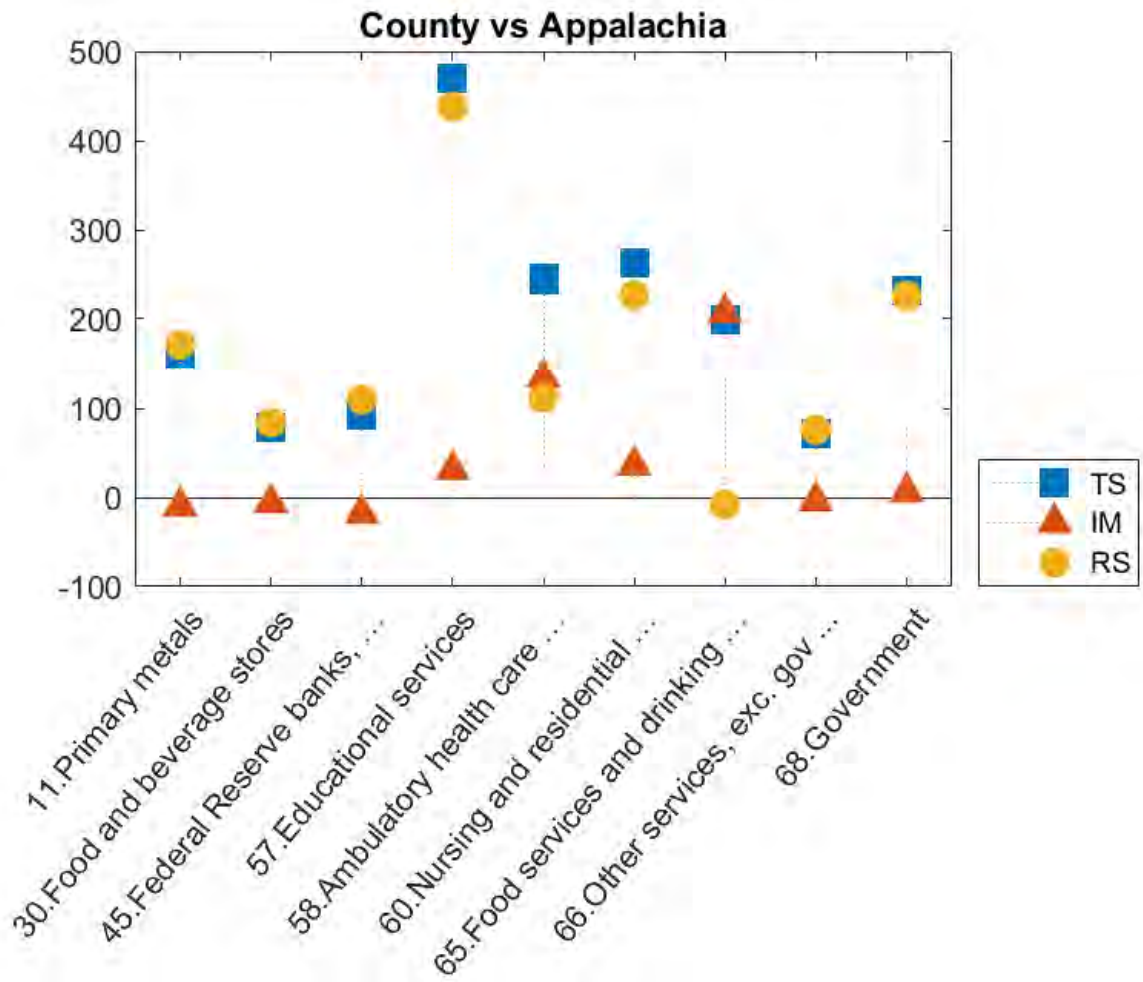


Chapter 7. Carter County, Tennessee

Carter County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	5	157	-12	169	203
30	Food and beverage stores	31	47	-6	53	357
45	Federal Reserve banks, ...	24	68	-41	109	302
57	Educational services	159	315	-30	345	1,883
58	Ambulatory health care ...	47	200	145	55	661
60	Nursing and residential ...	64	201	25	176	834
65	Food services and drinking ...	117	86	197	-111	1,236
66	Other services, exc. gov ...	25	48	-17	65	292
68	Government	51	183	-34	217	687

Selected SSA Components for Carter County, Tennessee vs the Appalachian Region

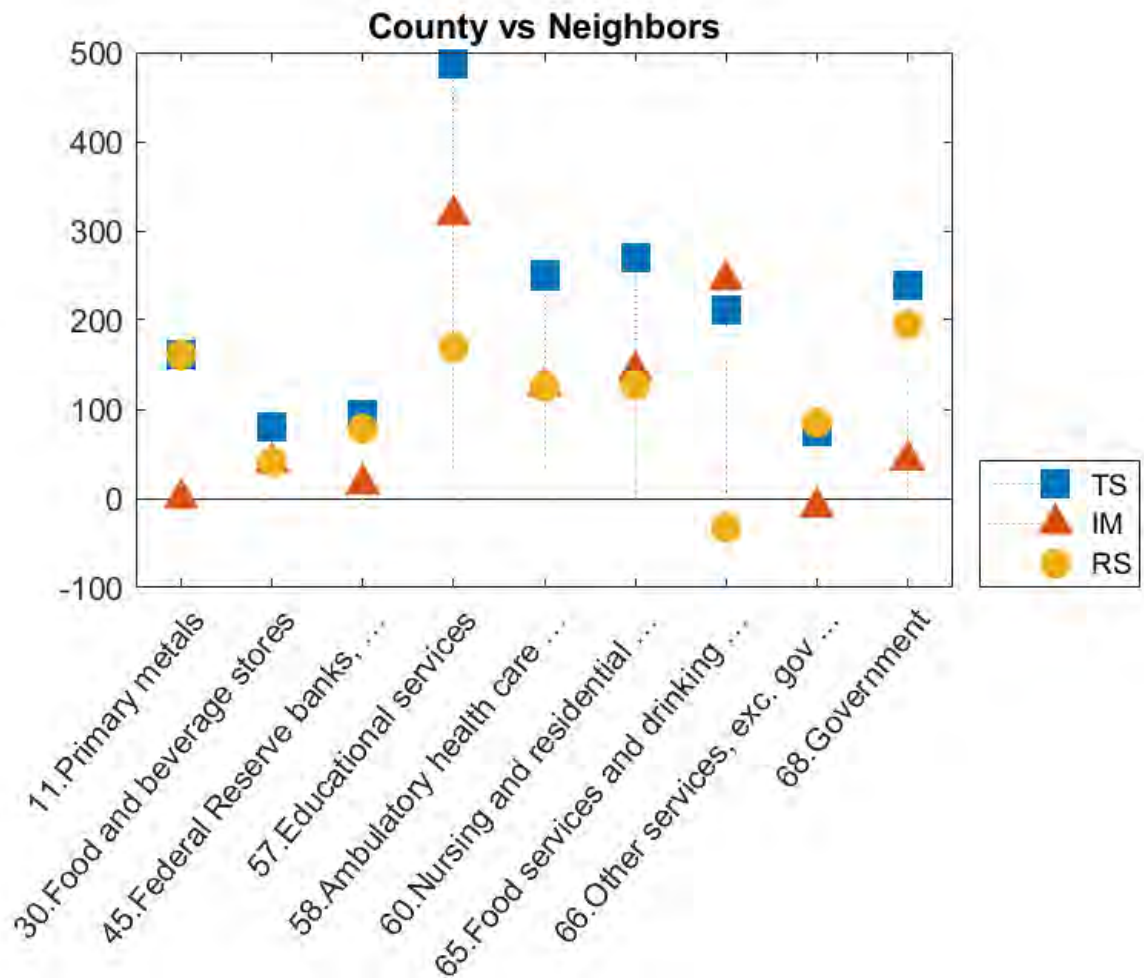


Chapter 7. Carter County, Tennessee

Selected SSA Components for Carter County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	0	161	-10	171	203
30	Food and beverage stores	1	78	-6	84	357
45	Federal Reserve banks, ...	1	92	-18	110	302
57	Educational services	5	469	31	438	1,883
58	Ambulatory health care ...	1	246	134	112	661
60	Nursing and residential ...	2	263	36	227	834
65	Food services and drinking ...	4	199	207	-8	1,236
66	Other services, exc. gov ...	1	72	-4	76	292
68	Government	2	232	6	226	687

Selected SSA Components for Carter County, Tennessee vs Neighbors



Chapter 7. Carter County, Tennessee

Selected SSA Components for Carter County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	-0	161	0	161	203
30	Food and beverage stores	-2	81	40	41	357
45	Federal Reserve banks, ...	-2	94	16	78	302
57	Educational services	-13	487	318	169	1,883
58	Ambulatory health care ...	-4	251	126	125	661
60	Nursing and residential ...	-5	270	143	127	834
65	Food services and drinking ...	-9	212	245	-33	1,236
66	Other services, exc. gov ...	-2	75	-10	85	292
68	Government	-4	238	43	195	687

Chapter 8. Claiborne County, Tennessee

Employment in Claiborne County, Tennessee, declined from 9,634 in 2005 to 9,019 in 2018, for a change of -615, or -6.38%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Claiborne County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,083	-1,702	-947	-755
vs. Appalachia	31	-646	-841	195
vs. Neighbors	-1,114	502	-170	672

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Claiborne County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 8. Claiborne County, Tennessee

Industry Group Membership for Claiborne County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III b iii	yes	yes	yes	yes
22	Apparel and leather ...	F III c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D I a i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B V e iii	yes	no	no	yes
59	Hospitals	E I a iii	no	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Claiborne County, Tennessee vs. the United States

Groups a, b, and c are from Claiborne County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Claiborne County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Claiborne County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Claiborne County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Claiborne County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Claiborne County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

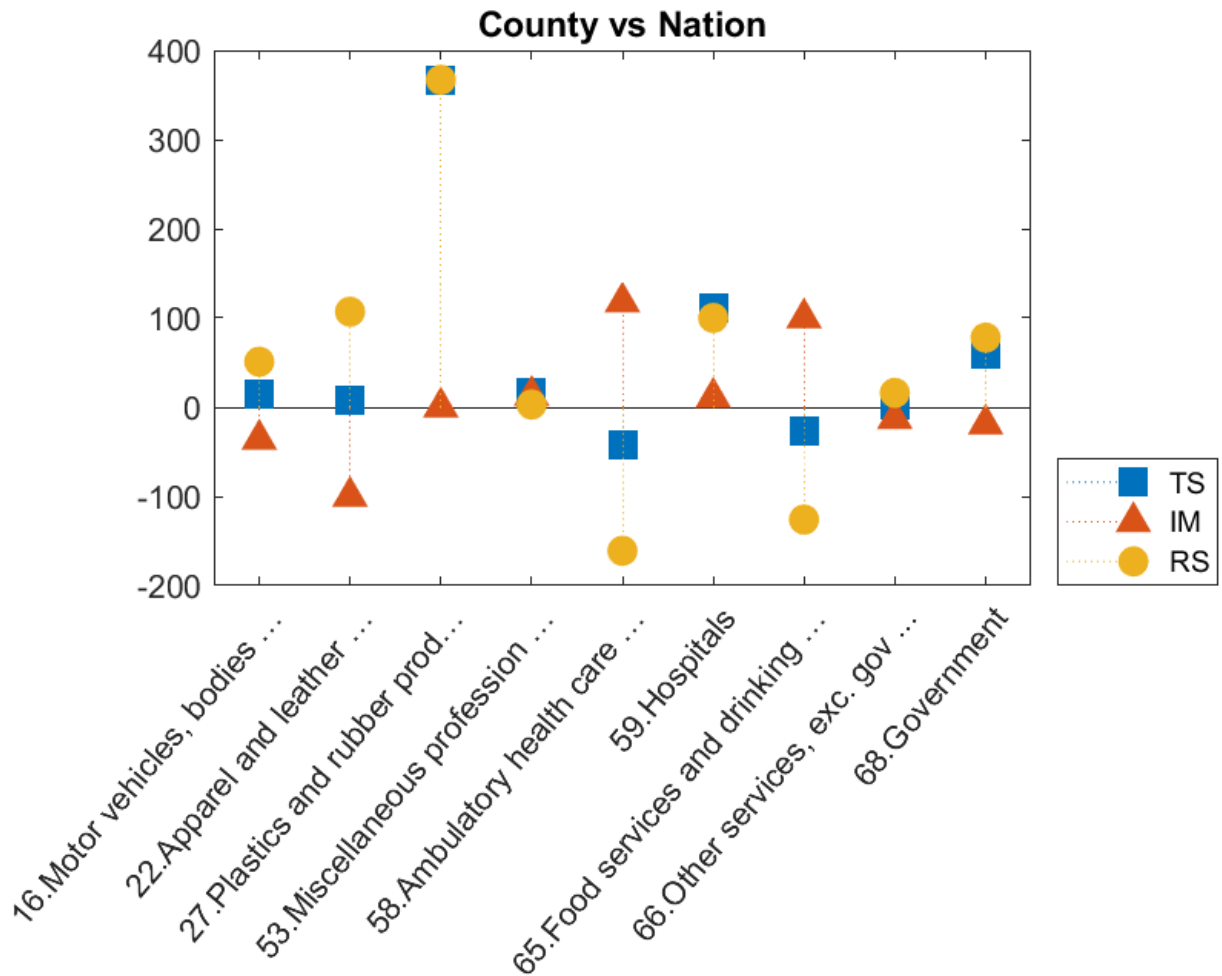
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Claiborne County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Claiborne County, Tennessee vs the U.S.

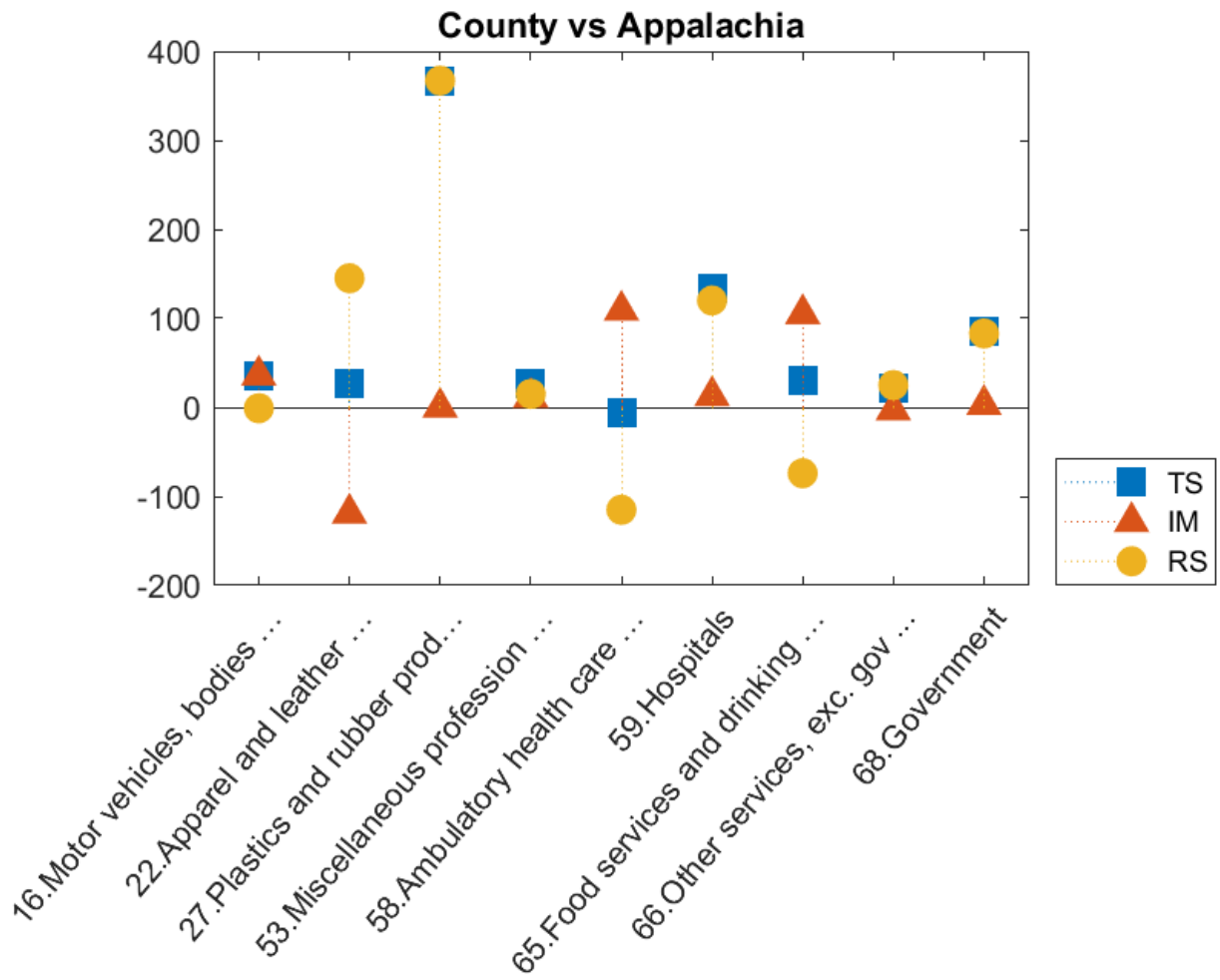


Chapter 8. Claiborne County, Tennessee

Claiborne County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	20	15	-36	51	213
22	Apparel and leather ...	20	7	-100	107	206
27	Plastics and rubber prod...	0	367	0	367	367
53	Miscellaneous profession ...	9	16	13	3	105
58	Ambulatory health care ...	38	-43	118	-161	332
59	Hospitals	23	111	11	100	335
65	Food services and drinking ...	59	-26	100	-126	557
66	Other services, exc. gov ...	19	3	-13	16	193
68	Government	28	59	-19	78	335

Selected SSA Components for Claiborne County, Tennessee vs the Appalachian Region

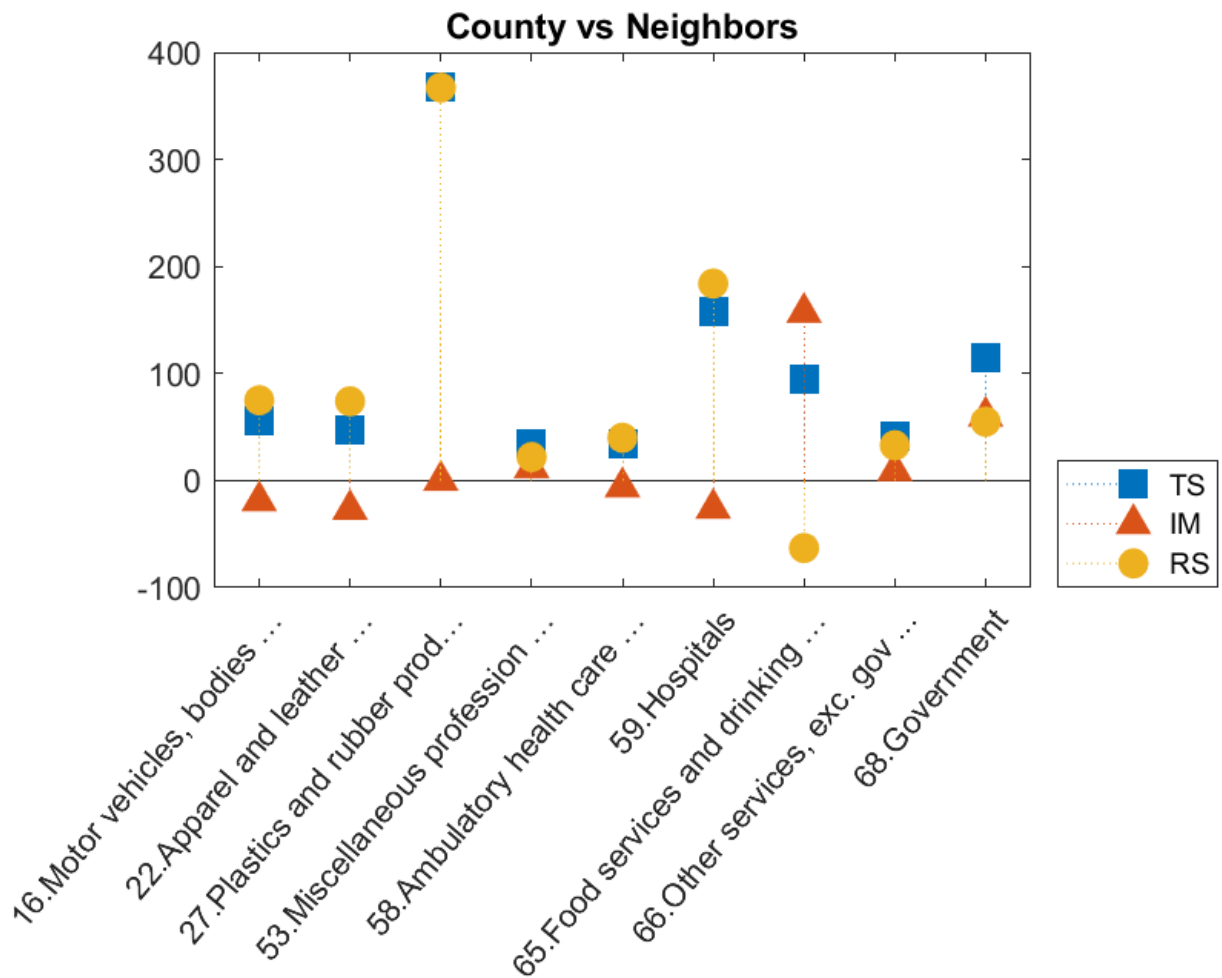


Chapter 8. Claiborne County, Tennessee

Selected SSA Components for Claiborne County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	1	35	36	-1	213
22	Apparel and leather ...	1	26	-119	145	206
27	Plastics and rubber prod...	0	367	0	367	367
53	Miscellaneous profession ...	0	26	11	15	105
58	Ambulatory health care ...	1	-6	109	-115	332
59	Hospitals	1	133	13	120	335
65	Food services and drinking ...	2	31	105	-74	557
66	Other services, exc. gov ...	1	22	-3	25	193
68	Government	1	86	3	83	335

Selected SSA Components for Claiborne County, Tennessee vs Neighbors



Chapter 8. Claiborne County, Tennessee

Selected SSA Components for Claiborne County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	-21	56	-19	75	213
22	Apparel and leather ...	-21	47	-27	74	206
27	Plastics and rubber prod...	-0	367	0	367	367
53	Miscellaneous profession ...	-9	34	12	22	105
58	Ambulatory health care ...	-39	34	-6	40	332
59	Hospitals	-23	158	-26	184	335
65	Food services and drinking ...	-61	94	157	-63	557
66	Other services, exc. gov ...	-20	42	9	33	193
68	Government	-29	115	60	55	335

Chapter 9. Clay County, Tennessee

Employment in Clay County, Tennessee, declined from 1,741 in 2005 to 1,458 in 2018, for a change of -283, or -16.26%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Clay County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	191	-477	-8	-469
vs. Appalachia	3	-290	27	-317
vs. Neighbors	-75	-202	56	-258

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Clay County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 9. Clay County, Tennessee

Industry Group Membership for Clay County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
18	Furniture and related ...	F I a i	no	yes	yes	yes
26	Chemical products	F I a i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B V b ii	yes	no	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Clay County, Tennessee vs. the United States

Groups a, b, and c are from Clay County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Clay County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Clay County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Clay County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Clay County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Clay County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

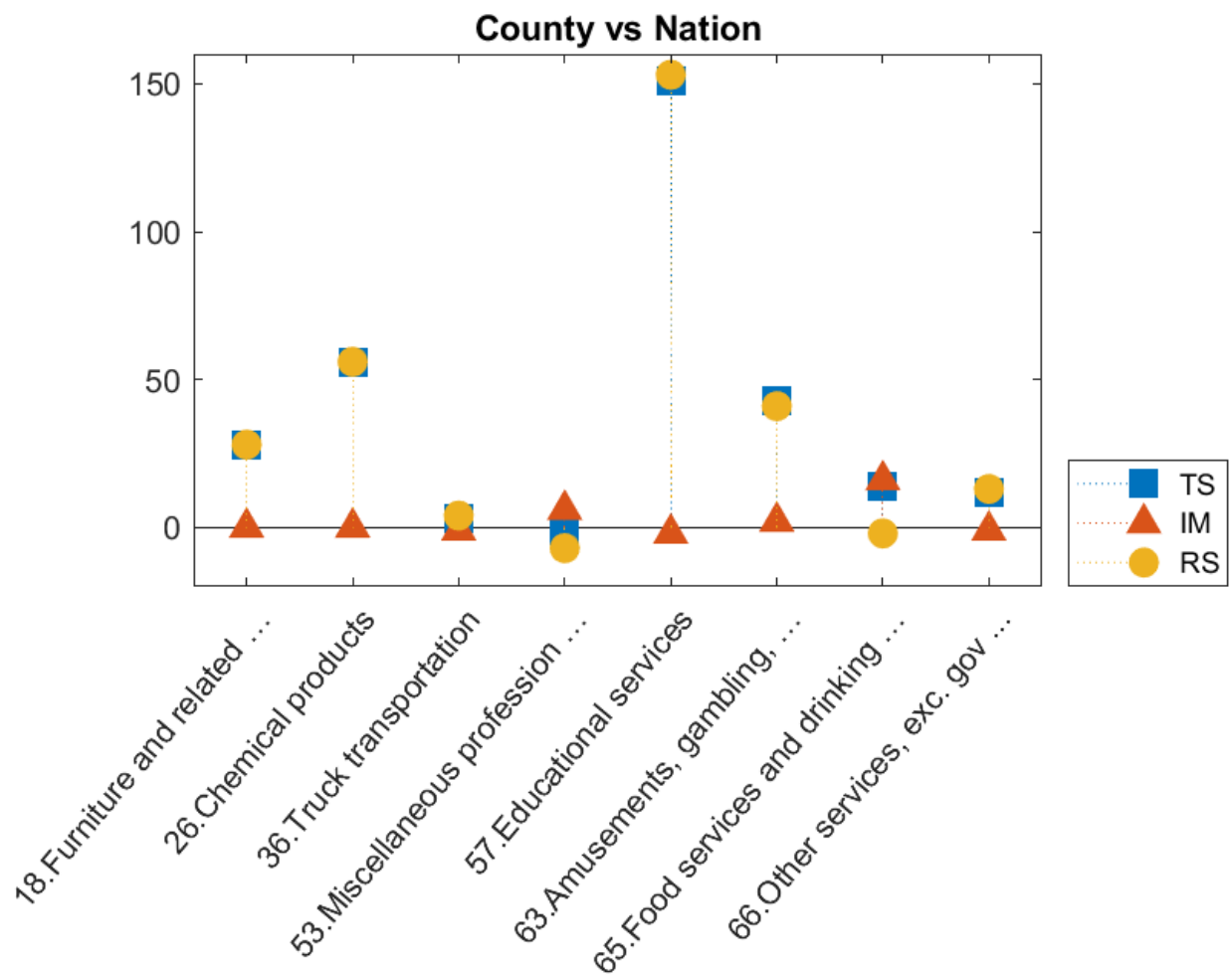
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Clay County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Clay County, Tennessee vs the U.S.

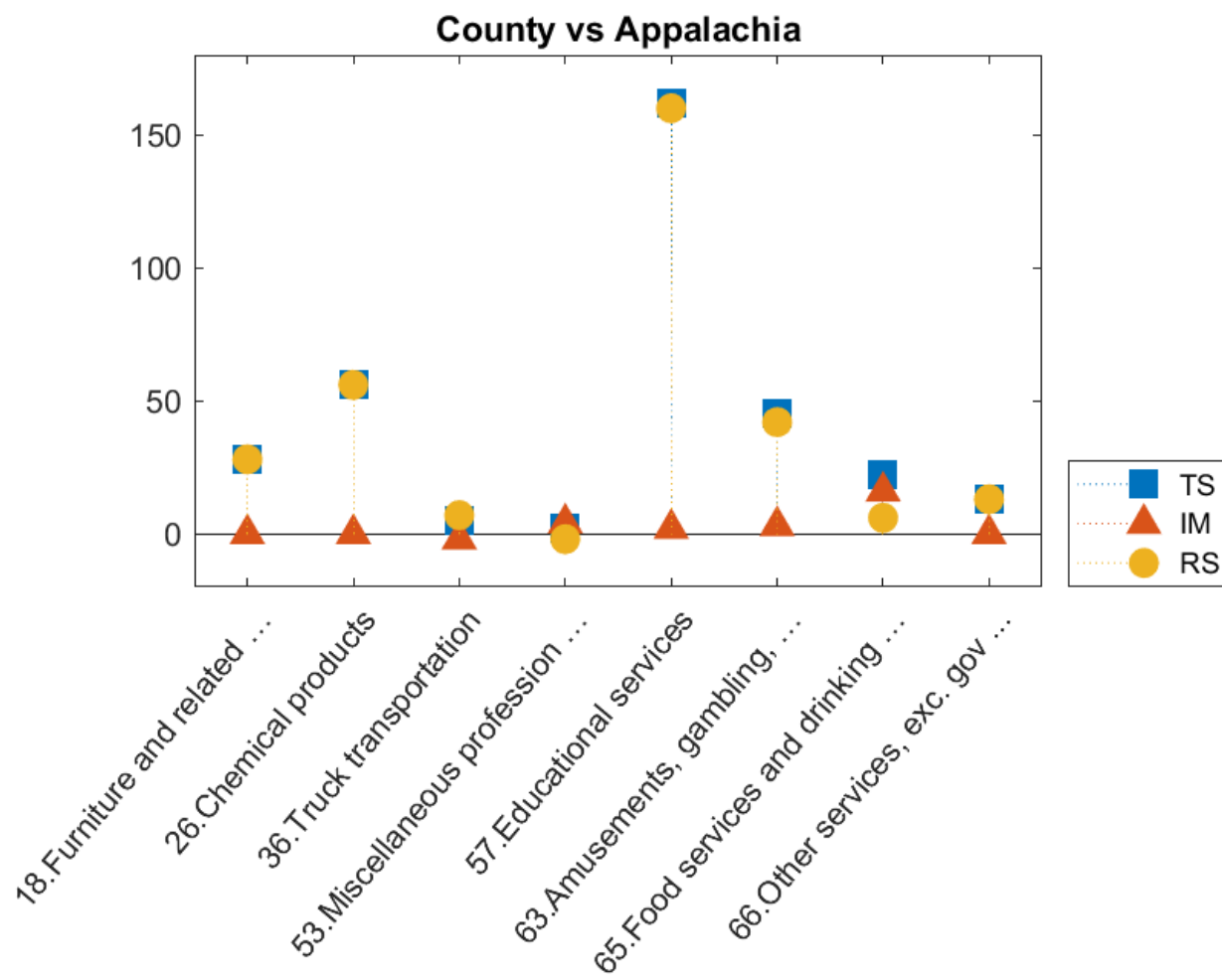


Chapter 9. Clay County, Tennessee

Clay County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
18	Furniture and related ...	0	28	0	28	28
26	Chemical products	0	56	0	56	56
36	Truck transportation	3	3	-1	4	30
53	Miscellaneous profession ...	4	-1	6	-7	35
57	Educational services	11	151	-2	153	258
63	Amusements, gambling, ...	2	43	2	41	67
65	Food services and drinking ...	9	14	16	-2	104
66	Other services, exc. gov ...	1	12	-1	13	24

Selected SSA Components for Clay County, Tennessee vs the Appalachian Region

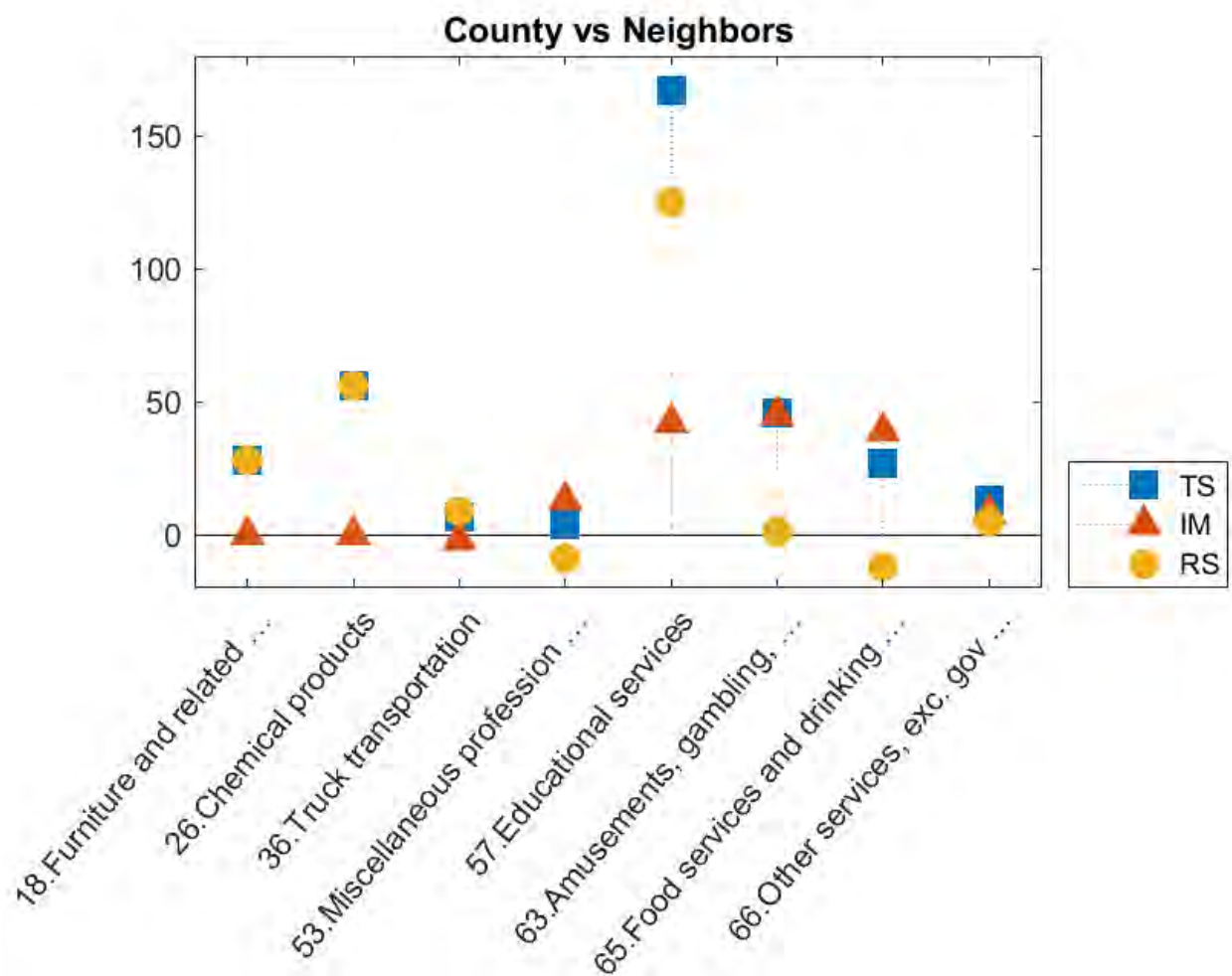


Chapter 9. Clay County, Tennessee

Selected SSA Components for Clay County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
18	Furniture and related ...	0	28	0	28	28
26	Chemical products	0	56	0	56	56
36	Truck transportation	0	5	-2	7	30
53	Miscellaneous profession ...	0	2	4	-2	35
57	Educational services	0	162	2	160	258
63	Amusements, gambling, ...	0	45	3	42	67
65	Food services and drinking ...	0	22	16	6	104
66	Other services, exc. gov ...	0	13	-0	13	24

Selected SSA Components for Clay County, Tennessee vs Neighbors



Chapter 9. Clay County, Tennessee

Selected SSA Components for Clay County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
18	Furniture and related ...	-0	28	0	28	28
26	Chemical products	-0	56	0	56	56
36	Truck transportation	-1	7	-2	9	30
53	Miscellaneous profession ...	-1	4	13	-9	35
57	Educational services	-4	167	42	125	258
63	Amusements, gambling, ...	-1	46	45	1	67
65	Food services and drinking ...	-4	27	39	-12	104
66	Other services, exc. gov ...	-0	13	8	5	24

Chapter 10. Cocke County, Tennessee

Employment in Cocke County, Tennessee, declined from 8,557 in 2005 to 7,742 in 2018, for a change of -815, or -9.52%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Cocke County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	965	-1,779	-288	-1,491
vs. Appalachia	24	-845	-94	-751
vs. Neighbors	46	-867	-49	-818

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Cocke County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 10. Cocke County, Tennessee

Industry Group Membership for Cocke County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c iii	no	yes	yes	yes
09	Wood products	F III c iii	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a ii	yes	yes	yes	yes
68	Government	F III a ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Cocke County, Tennessee vs. the United States

Groups a, b, and c are from Cocke County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Cocke County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Cocke County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Cocke County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Cocke County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Cocke County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

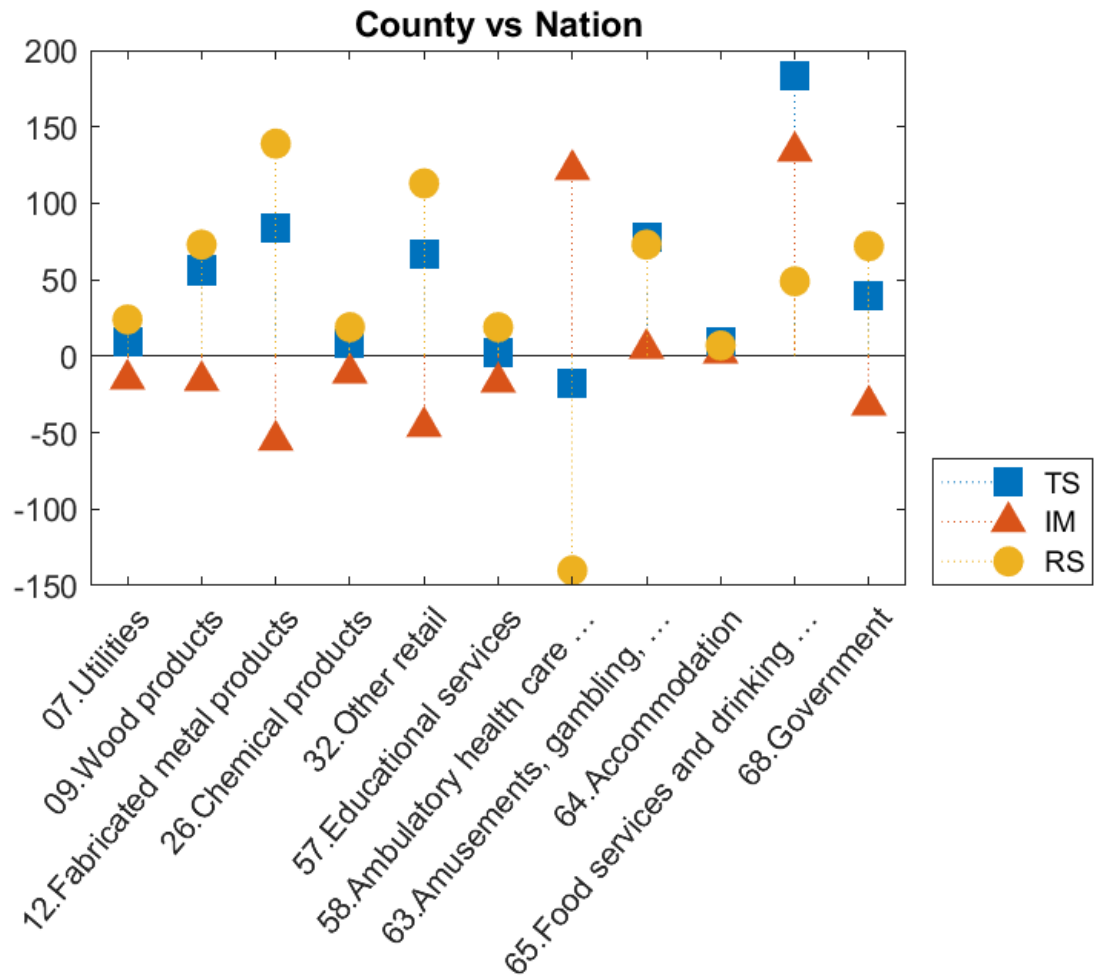
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Cocke County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Cocke County, Tennessee vs the U.S.

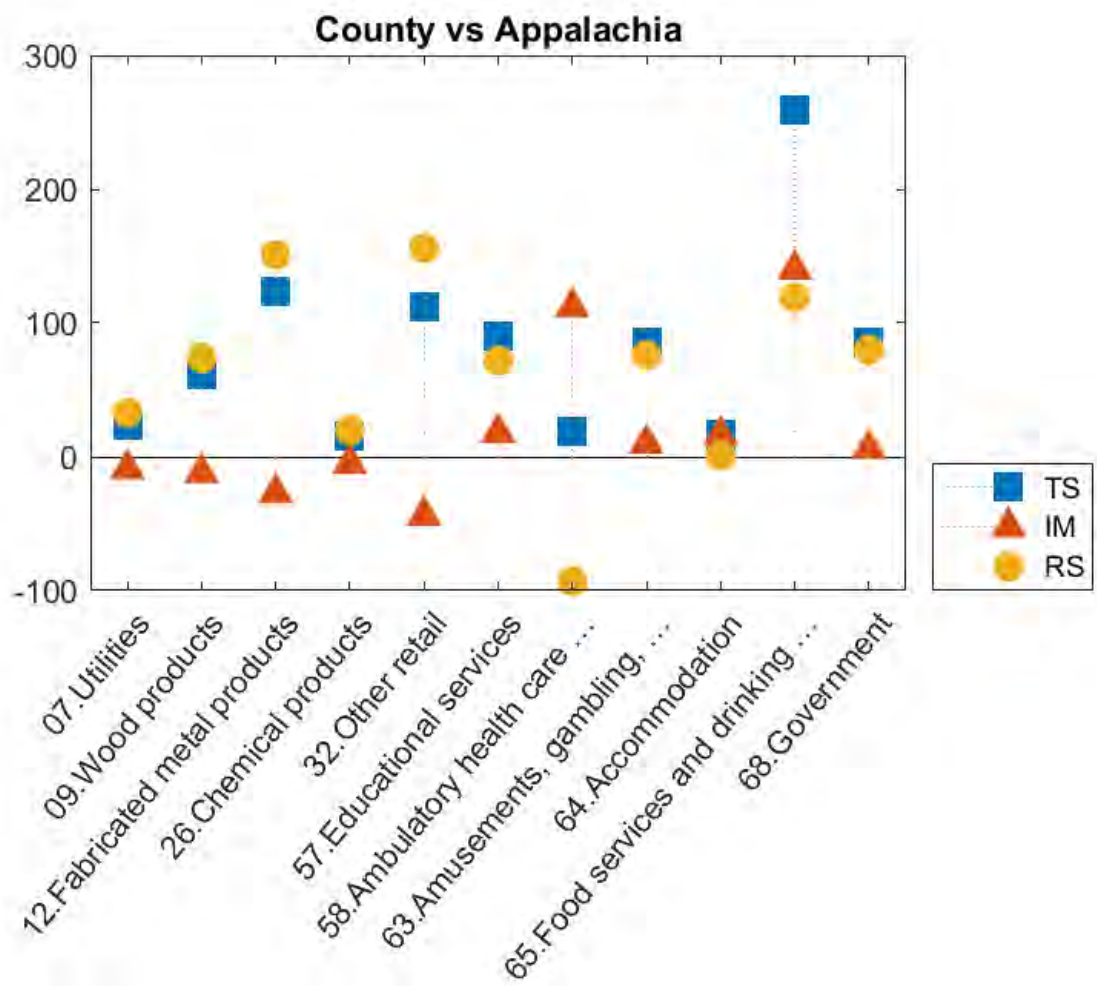


Chapter 10. Cocke County, Tennessee

Cocke County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	16	9	-15	24	168
09	Wood products	5	57	-16	73	102
12	Fabricated metal products	42	84	-55	139	498
26	Chemical products	8	8	-11	19	86
32	Other retail	46	67	-46	113	520
57	Educational services	91	2	-17	19	897
58	Ambulatory health care ...	39	-18	122	-140	369
63	Amusements, gambling, ...	8	78	5	73	153
64	Accommodation	9	9	2	7	98
65	Food services and drinking ...	79	183	134	49	962
68	Government	47	40	-32	72	505

Selected SSA Components for Cocke County, Tennessee vs the Appalachian Region

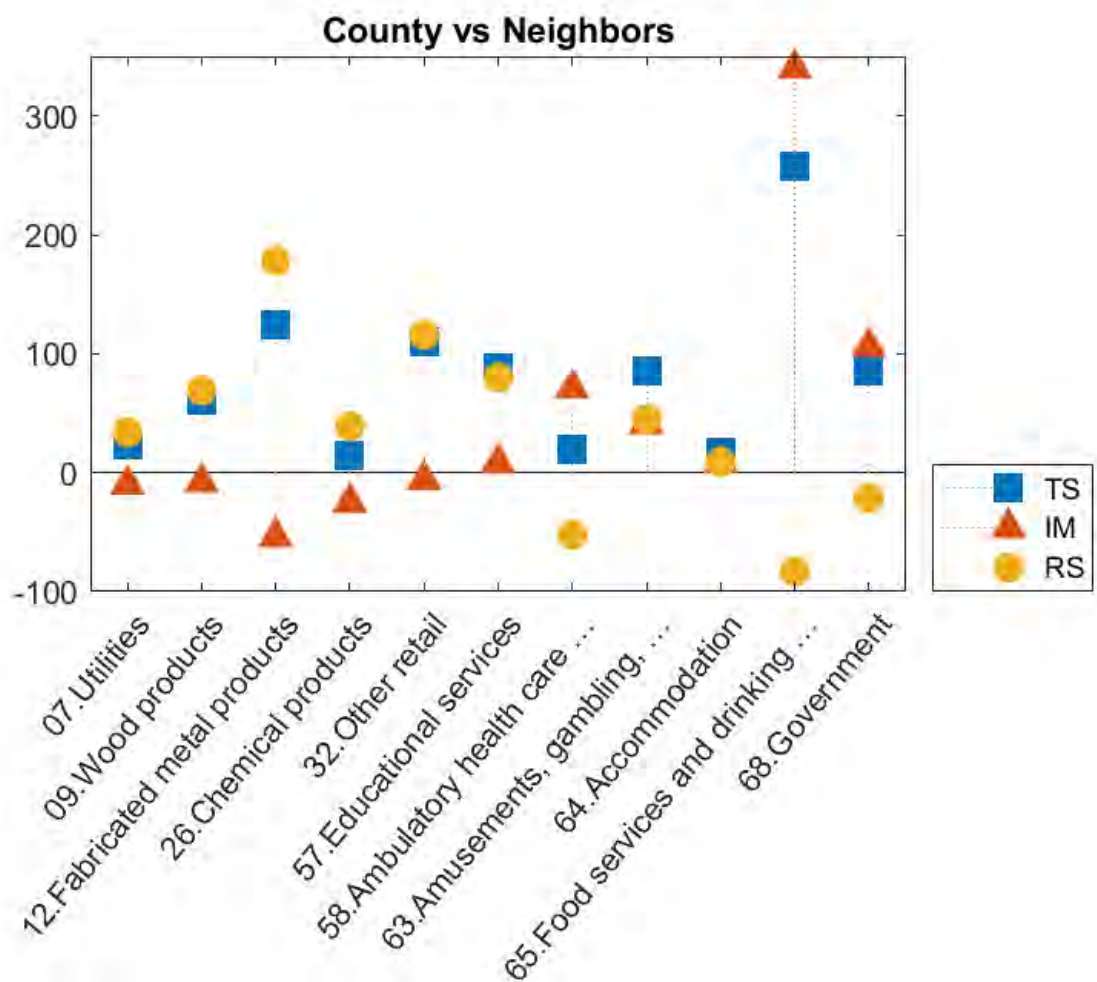


Chapter 10. Cocke County, Tennessee

Selected SSA Components for Cocke County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	24	-9	33	168
09	Wood products	0	62	-12	74	102
12	Fabricated metal products	1	124	-27	151	498
26	Chemical products	0	15	-5	20	86
32	Other retail	1	112	-44	156	520
57	Educational services	3	90	18	72	897
58	Ambulatory health care ...	1	19	112	-93	369
63	Amusements, gambling, ...	0	86	10	76	153
64	Accommodation	0	17	16	1	98
65	Food services and drinking ...	2	259	140	119	962
68	Government	1	86	6	80	505

Selected SSA Components for Cocke County, Tennessee vs Neighbors



Chapter 10. Cocke County, Tennessee

Selected SSA Components for Cocke County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	1	24	-10	34	168
09	Wood products	0	61	-8	69	102
12	Fabricated metal products	2	124	-54	178	498
26	Chemical products	0	14	-25	39	86
32	Other retail	2	110	-6	116	520
57	Educational services	5	88	8	80	897
58	Ambulatory health care ...	2	19	71	-52	369
63	Amusements, gambling, ...	0	86	41	45	153
64	Accommodation	0	17	8	9	98
65	Food services and drinking ...	4	257	340	-83	962
68	Government	2	85	106	-21	505

Chapter 11. Coffee County, Tennessee

Employment in Coffee County, Tennessee, grew from 25,189 in 2005 to 26,581 in 2018, for a change of 1,392, or 5.53%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Coffee County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	2,840	-1,451	-338	-1,113
vs. Appalachia	82	1,310	653	657
vs. Neighbors	4,960	-3,570	477	-4,047

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Coffee County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 11. Coffee County, Tennessee

Industry Group Membership for Coffee County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III b v	yes	yes	yes	no
20	Food and beverage ...	E II c v	no	yes	yes	no
27	Plastics and rubber prod...	D III a iii	no	yes	yes	yes
32	Other retail	F III c i	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
52	Computer systems design ...	B I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B II b v	yes	yes	yes	no
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B I a ii	yes	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Coffee County, Tennessee vs. the United States

Groups a, b, and c are from Coffee County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Coffee County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Coffee County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Coffee County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Coffee County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Coffee County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

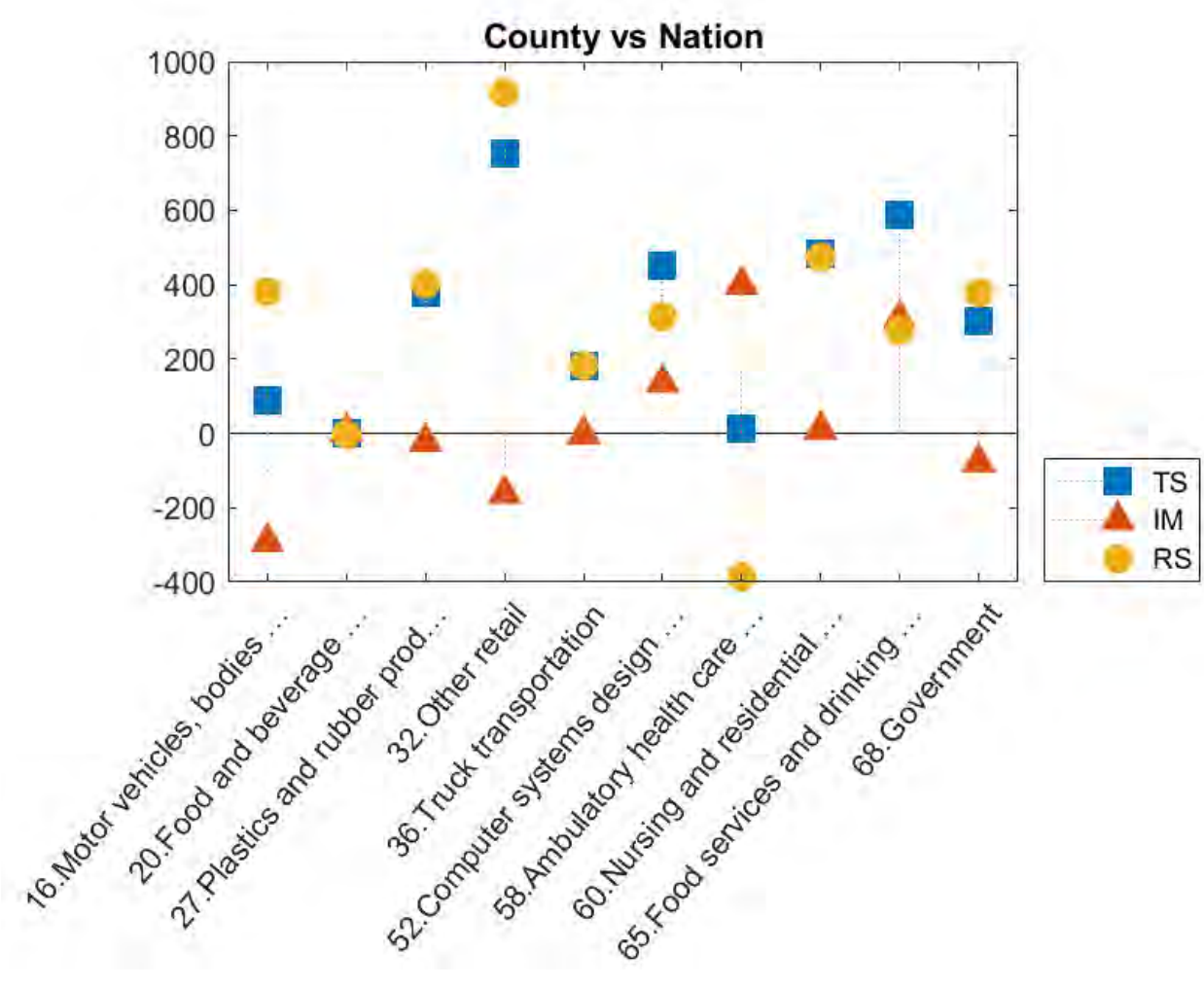
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Coffee County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Coffee County, Tennessee vs the U.S.

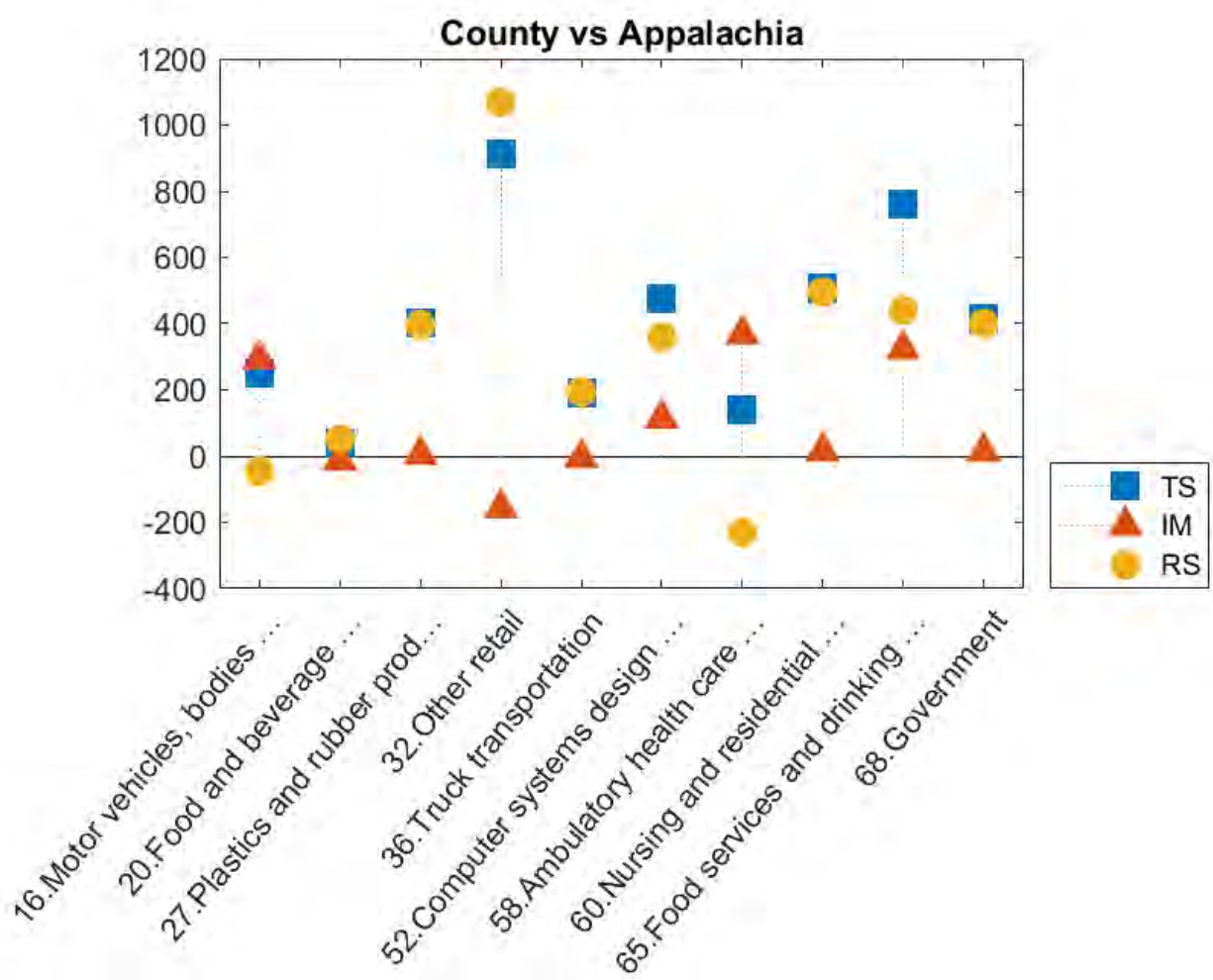


Chapter 11. Coffee County, Tennessee

Coffee County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	163	90	-292	382	1,698
20	Food and beverage ...	37	2	5	-3	369
27	Plastics and rubber prod...	23	378	-23	401	607
32	Other retail	163	754	-162	916	2,358
36	Truck transportation	9	180	-3	183	273
52	Computer systems design ...	23	451	137	314	682
58	Ambulatory health care ...	129	14	400	-386	1,282
60	Nursing and residential ...	27	484	10	474	747
65	Food services and drinking ...	182	586	308	278	2,383
68	Government	116	301	-78	379	1,443

Selected SSA Components for Coffee County, Tennessee vs the Appalachian Region

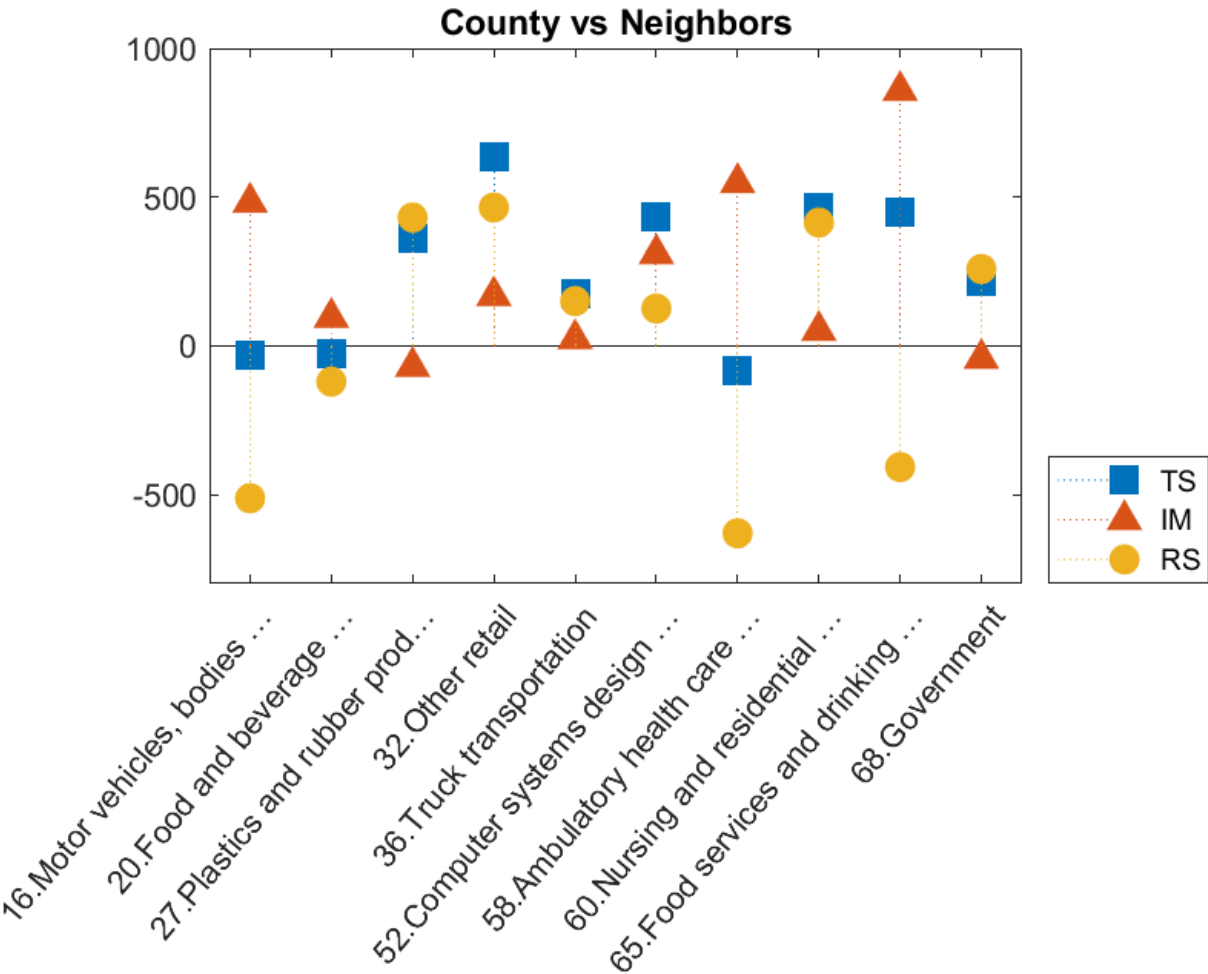


Chapter 11. Coffee County, Tennessee

Selected SSA Components for Coffee County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	5	249	294	-45	1,698
20	Food and beverage ...	1	38	-13	51	369
27	Plastics and rubber prod...	1	401	4	397	607
32	Other retail	5	912	-157	1,069	2,358
36	Truck transportation	0	189	-5	194	273
52	Computer systems design ...	1	474	114	360	682
58	Ambulatory health care ...	4	138	368	-230	1,282
60	Nursing and residential ...	1	510	15	495	747
65	Food services and drinking ...	5	763	323	440	2,383
68	Government	3	414	14	400	1,443

Selected SSA Components for Coffee County, Tennessee vs Neighbors



Chapter 11. Coffee County, Tennessee

Selected SSA Components for Coffee County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	284	-31	482	-513	1,698
20	Food and beverage ...	65	-26	95	-121	369
27	Plastics and rubber prod...	40	361	-70	431	607
32	Other retail	284	633	168	465	2,358
36	Truck transportation	17	173	23	150	273
52	Computer systems design ...	41	434	309	125	682
58	Ambulatory health care ...	225	-83	548	-631	1,282
60	Nursing and residential ...	46	465	51	414	747
65	Food services and drinking ...	318	450	858	-408	2,383
68	Government	202	215	-43	258	1,443

Chapter 12. Cumberland County, Tennessee

Employment in Cumberland County, Tennessee, grew from 16,900 in 2005 to 17,850 in 2018, for a change of 950, or 5.62%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Cumberland County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,909	-950	492	-1,442
vs. Appalachia	50	898	191	707
vs. Neighbors	167	781	-436	1,217

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Cumberland County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 12. Cumberland County, Tennessee

Industry Group Membership for Cumberland County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a ii	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
39	Other transportation ...	E I c i	no	yes	yes	yes
49	Real estate	F I a i	no	yes	yes	yes
53	Miscellaneous profession ...	B V b ii	yes	no	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Cumberland County, Tennessee vs. the United States

Groups a, b, and c are from Cumberland County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Cumberland County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Cumberland County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Cumberland County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Cumberland County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Cumberland County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

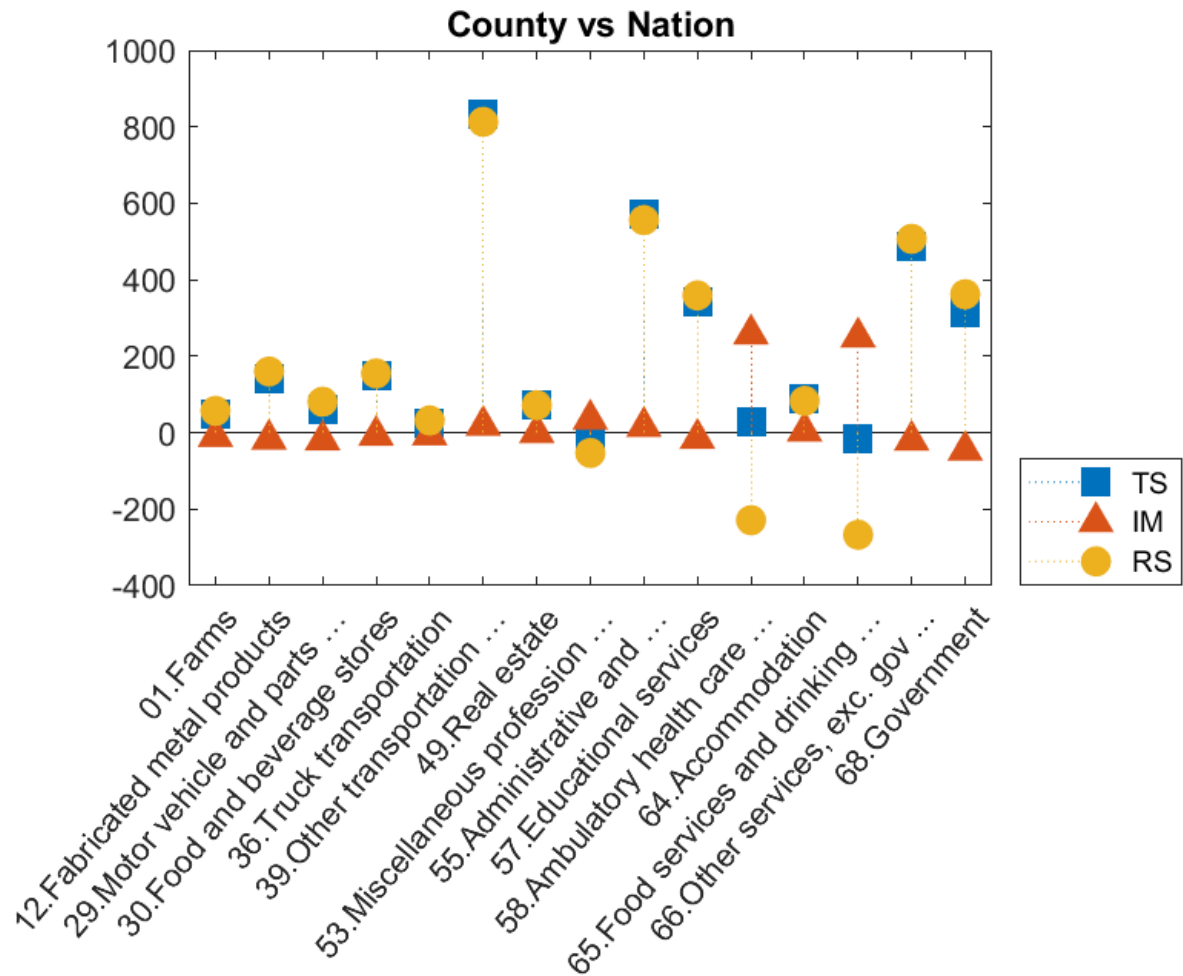
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Cumberland County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Cumberland County, Tennessee vs the U.S.

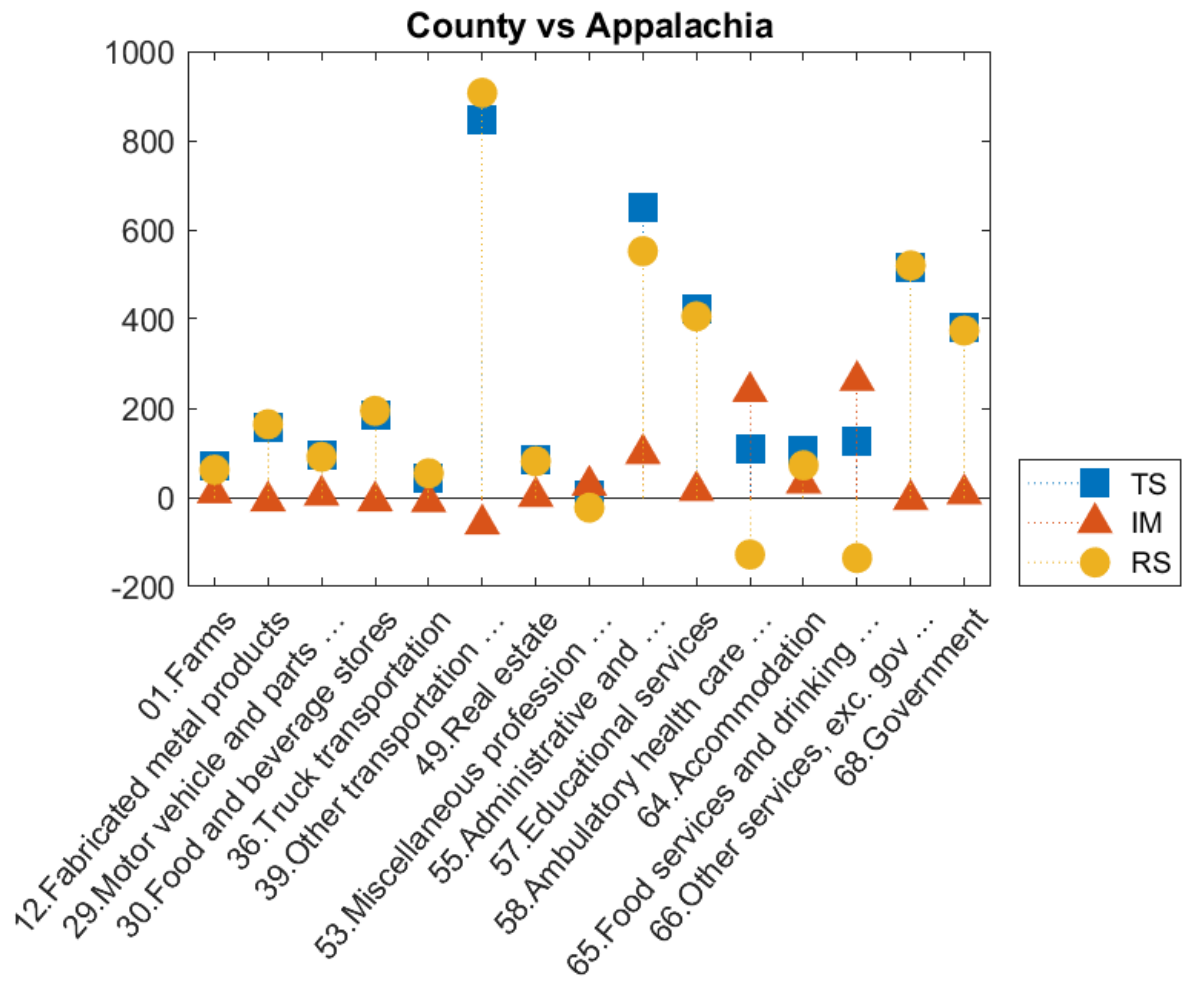


Chapter 12. Cumberland County, Tennessee

Cumberland County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	26	47	-10	57	304
12	Fabricated metal products	13	143	-17	160	274
29	Motor vehicle and parts ...	35	62	-19	81	408
30	Food and beverage stores	41	148	-7	155	549
36	Truck transportation	18	26	-6	32	203
39	Other transportation ...	16	832	19	813	986
49	Real estate	12	72	-0	72	187
53	Miscellaneous profession ...	23	-18	35	-53	211
55	Administrative and ...	81	572	16	556	1,369
57	Educational services	80	344	-15	359	1,131
58	Ambulatory health care ...	83	29	258	-229	847
64	Accommodation	18	87	4	83	261
65	Food services and drinking ...	148	-17	250	-267	1,440
66	Other services, exc. gov ...	29	487	-20	507	777
68	Government	68	316	-46	362	987

Selected SSA Components for Cumberland County, Tennessee vs the Appalachian Region

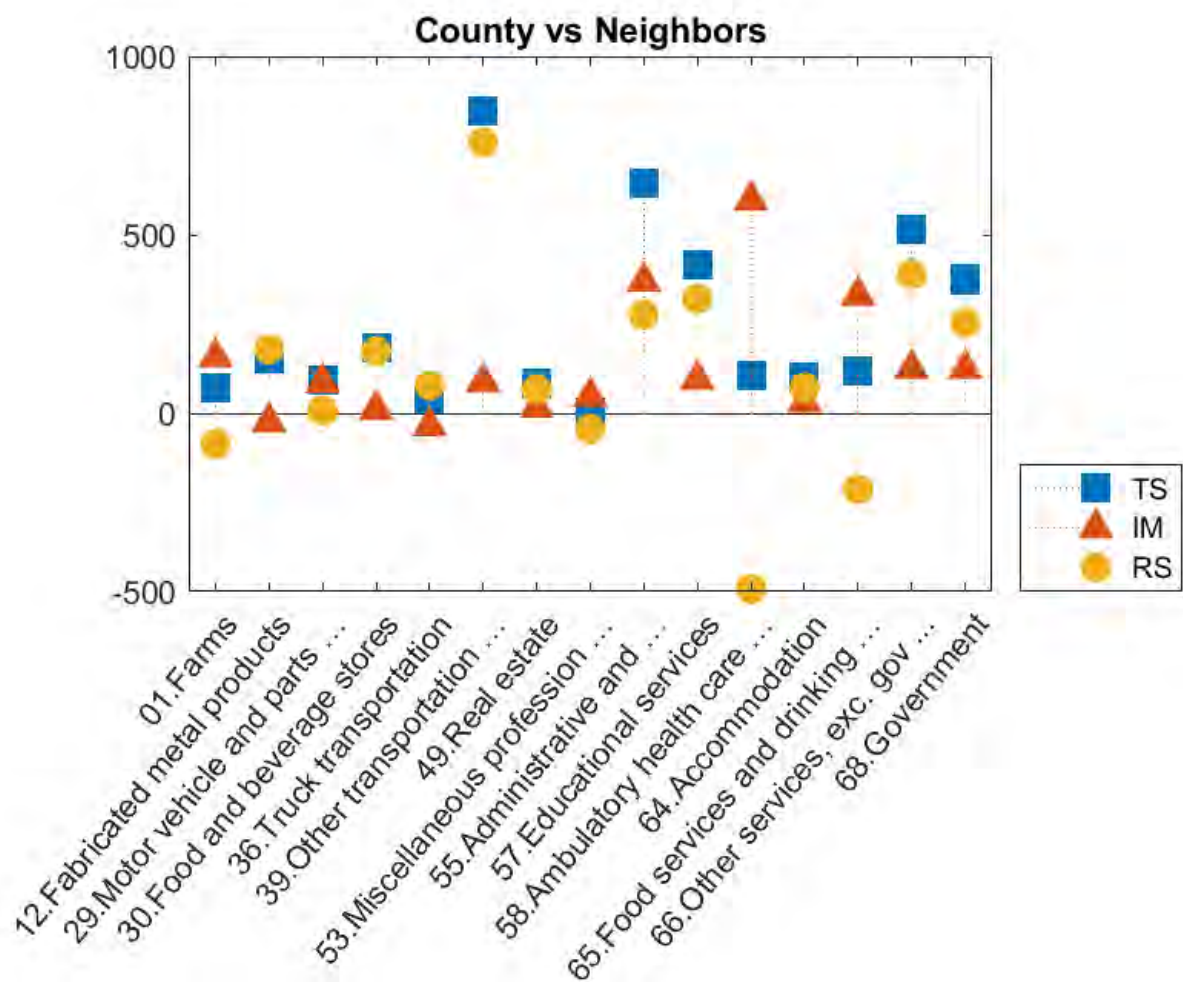


Chapter 12. Cumberland County, Tennessee

Selected SSA Components for Cumberland County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	72	10	62	304
12	Fabricated metal products	0	156	-8	164	274
29	Motor vehicle and parts ...	1	96	5	91	408
30	Food and beverage stores	1	186	-8	194	549
36	Truck transportation	1	44	-10	54	203
39	Other transportation ...	0	847	-60	907	986
49	Real estate	0	83	2	81	187
53	Miscellaneous profession ...	1	4	27	-23	211
55	Administrative and ...	2	650	98	552	1,369
57	Educational services	2	421	15	406	1,131
58	Ambulatory health care ...	2	109	237	-128	847
64	Accommodation	1	104	32	72	261
65	Food services and drinking ...	4	126	262	-136	1,440
66	Other services, exc. gov ...	1	515	-5	520	777
68	Government	2	382	8	374	987

Selected SSA Components for Cumberland County, Tennessee vs Neighbors



Chapter 12. Cumberland County, Tennessee

Selected SSA Components for Cumberland County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	2	70	157	-87	304
12	Fabricated metal products	1	155	-24	179	274
29	Motor vehicle and parts ...	3	94	86	8	408
30	Food and beverage stores	4	185	11	174	549
36	Truck transportation	2	42	-36	78	203
39	Other transportation ...	1	847	88	759	986
49	Real estate	1	82	16	66	187
53	Miscellaneous profession ...	2	3	47	-44	211
55	Administrative and ...	7	645	369	276	1,369
57	Educational services	7	416	95	321	1,131
58	Ambulatory health care ...	7	105	597	-492	847
64	Accommodation	2	103	31	72	261
65	Food services and drinking ...	13	117	330	-213	1,440
66	Other services, exc. gov ...	3	514	125	389	777
68	Government	6	379	125	254	987

Chapter 13. DeKalb County, Tennessee

Employment in DeKalb County, Tennessee, declined from 6,267 in 2005 to 5,790 in 2018, for a change of -477, or -7.61%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for DeKalb County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	704	-1,179	-417	-762
vs. Appalachia	14	-498	266	-764
vs. Neighbors	624	-1,099	-104	-995

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to DeKalb County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 13. DeKalb County, Tennessee

Industry Group Membership for DeKalb County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c iii	no	yes	yes	yes
13	Machinery	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
20	Food and beverage ...	E I c iii	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
63	Amusements, gambling, ...	B V b v	yes	no	yes	no
64	Accommodation	A I a ii	yes	yes	yes	yes
65	Food services and drinking ...	B V b v	yes	no	yes	no
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from DeKalb County, Tennessee vs. the United States

Groups a, b, and c are from DeKalb County, Tennessee vs. Appalachia

Groups i, ii, and iii are from DeKalb County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing DeKalb County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by DeKalb County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in DeKalb County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that DeKalb County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

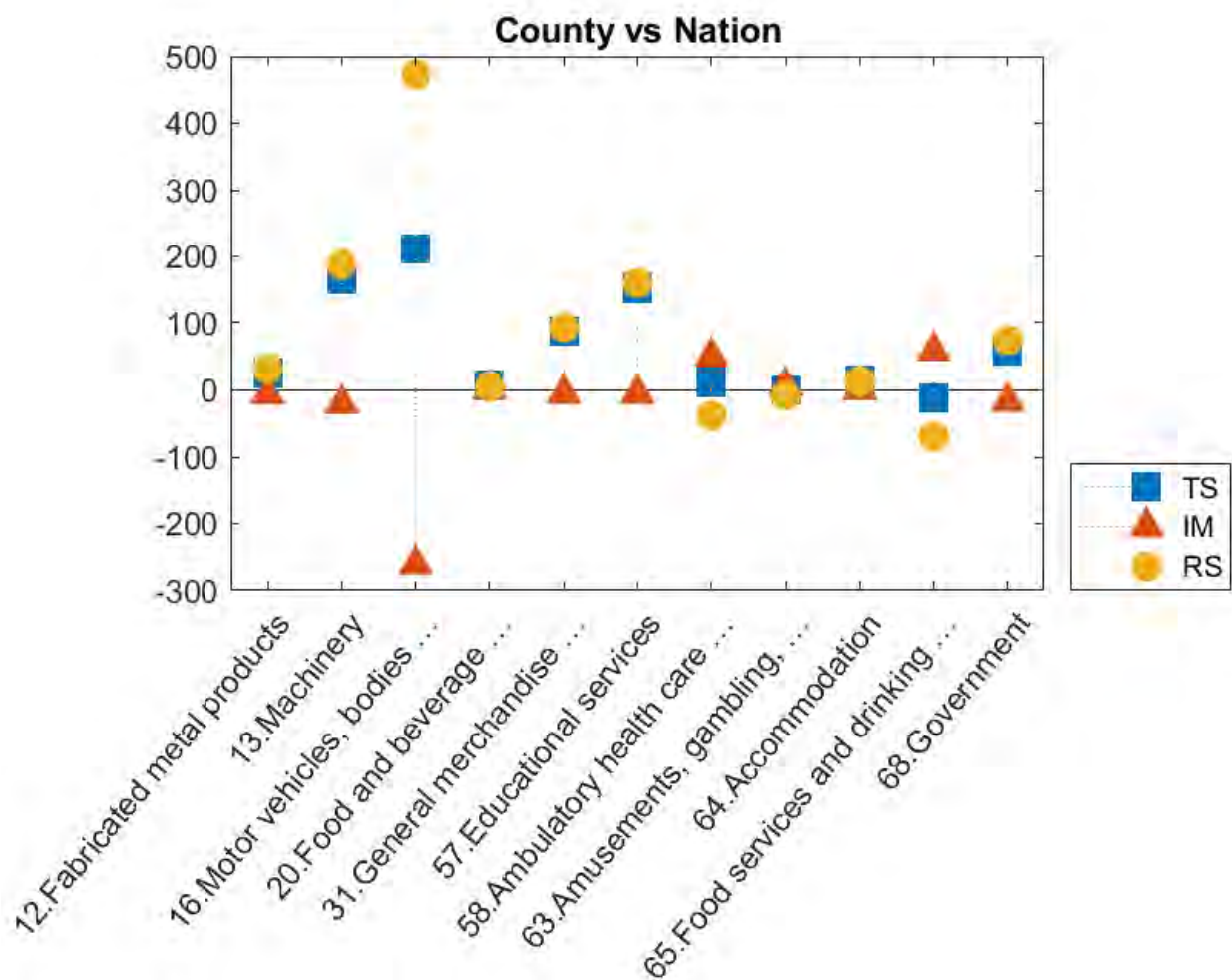
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in DeKalb County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for DeKalb County, Tennessee vs the U.S.

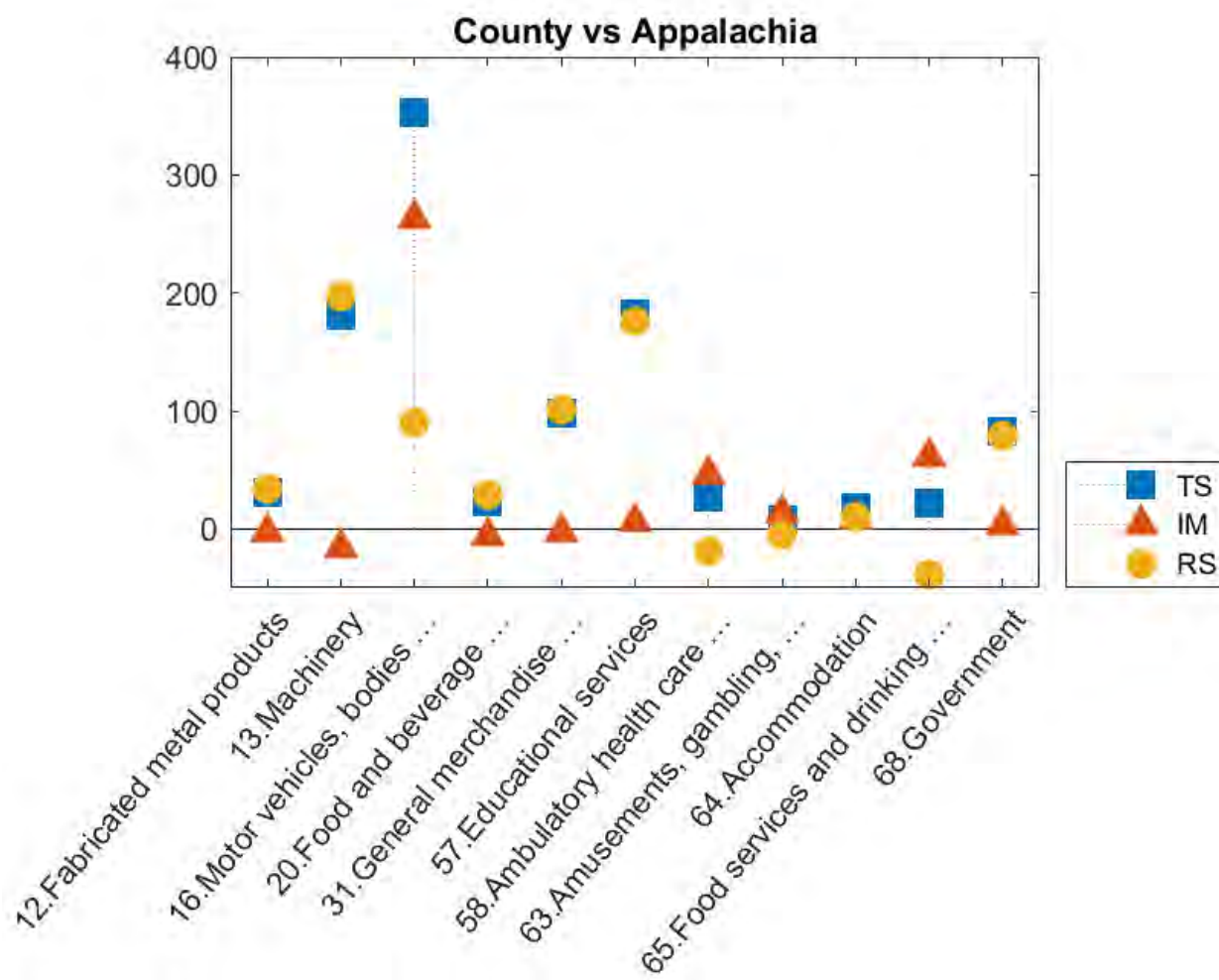


Chapter 13. DeKalb County, Tennessee

DeKalb County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	5	26	-6	32	74
13	Machinery	14	168	-20	188	304
16	Motor vehicles, bodies ...	146	212	-261	473	1,651
20	Food and beverage ...	16	7	2	5	168
31	General merchandise ...	10	88	-5	93	187
57	Educational services	29	155	-5	160	437
58	Ambulatory health care ...	16	11	49	-38	168
63	Amusements, gambling, ...	9	-1	7	-8	92
64	Accommodation	5	14	1	13	58
65	Food services and drinking ...	34	-12	58	-70	328
68	Government	25	57	-17	74	300

Selected SSA Components for DeKalb County, Tennessee vs the Appalachian Region

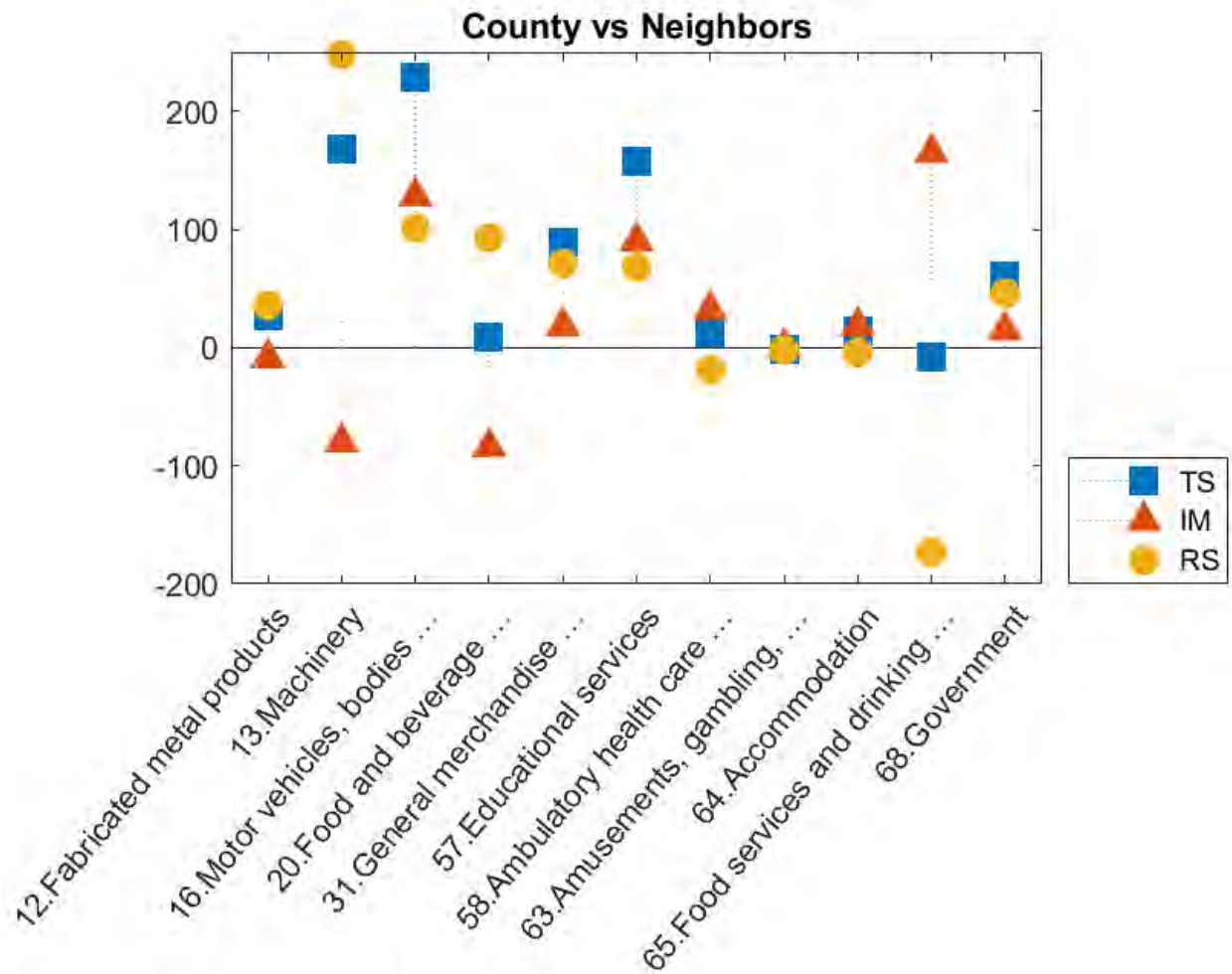


Chapter 13. DeKalb County, Tennessee

Selected SSA Components for DeKalb County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	31	-3	34	74
13	Machinery	0	181	-16	197	304
16	Motor vehicles, bodies ...	4	353	263	90	1,651
20	Food and beverage ...	0	23	-6	29	168
31	General merchandise ...	0	98	-3	101	187
57	Educational services	1	182	6	176	437
58	Ambulatory health care ...	0	27	46	-19	168
63	Amusements, gambling, ...	0	8	13	-5	92
64	Accommodation	0	18	8	10	58
65	Food services and drinking ...	1	22	61	-39	328
68	Government	1	82	3	79	300

Selected SSA Components for DeKalb County, Tennessee vs Neighbors



Chapter 13. DeKalb County, Tennessee

Selected SSA Components for DeKalb County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	4	27	-9	36	74
13	Machinery	12	168	-80	248	304
16	Motor vehicles, bodies ...	129	229	128	101	1,651
20	Food and beverage ...	14	9	-84	93	168
31	General merchandise ...	9	89	18	71	187
57	Educational services	25	158	90	68	437
58	Ambulatory health care ...	14	13	32	-19	168
63	Amusements, gambling, ...	8	-1	1	-2	92
64	Accommodation	4	14	18	-4	58
65	Food services and drinking ...	31	-8	165	-173	328
68	Government	22	61	15	46	300

Chapter 14. Fentress County, Tennessee

Employment in Fentress County, Tennessee, declined from 5,815 in 2005 to 4,892 in 2018, for a change of -923, or -15.87%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Fentress County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	655	-1,576	-17	-1,559
vs. Appalachia	18	-943	-29	-914
vs. Neighbors	236	-1,156	-6	-1,150

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Fentress County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 14. Fentress County, Tennessee

Industry Group Membership for Fentress County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
31	General merchandise ...	F III c iii	no	yes	yes	yes
37	Transit and ground ...	E I c iii	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Fentress County, Tennessee vs. the United States

Groups a, b, and c are from Fentress County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Fentress County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Fentress County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Fentress County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Fentress County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Fentress County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

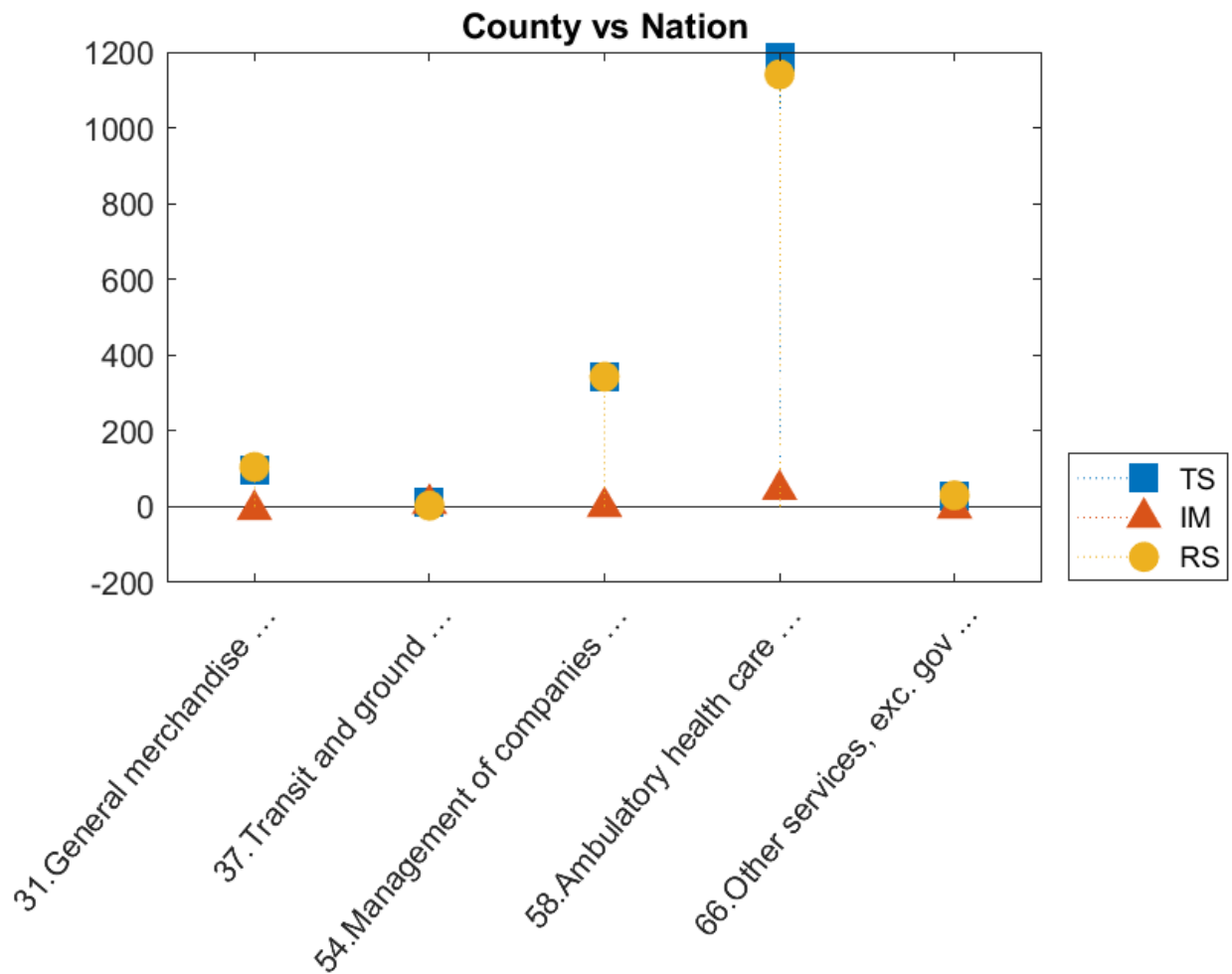
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Fentress County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Fentress County, Tennessee vs the U.S.

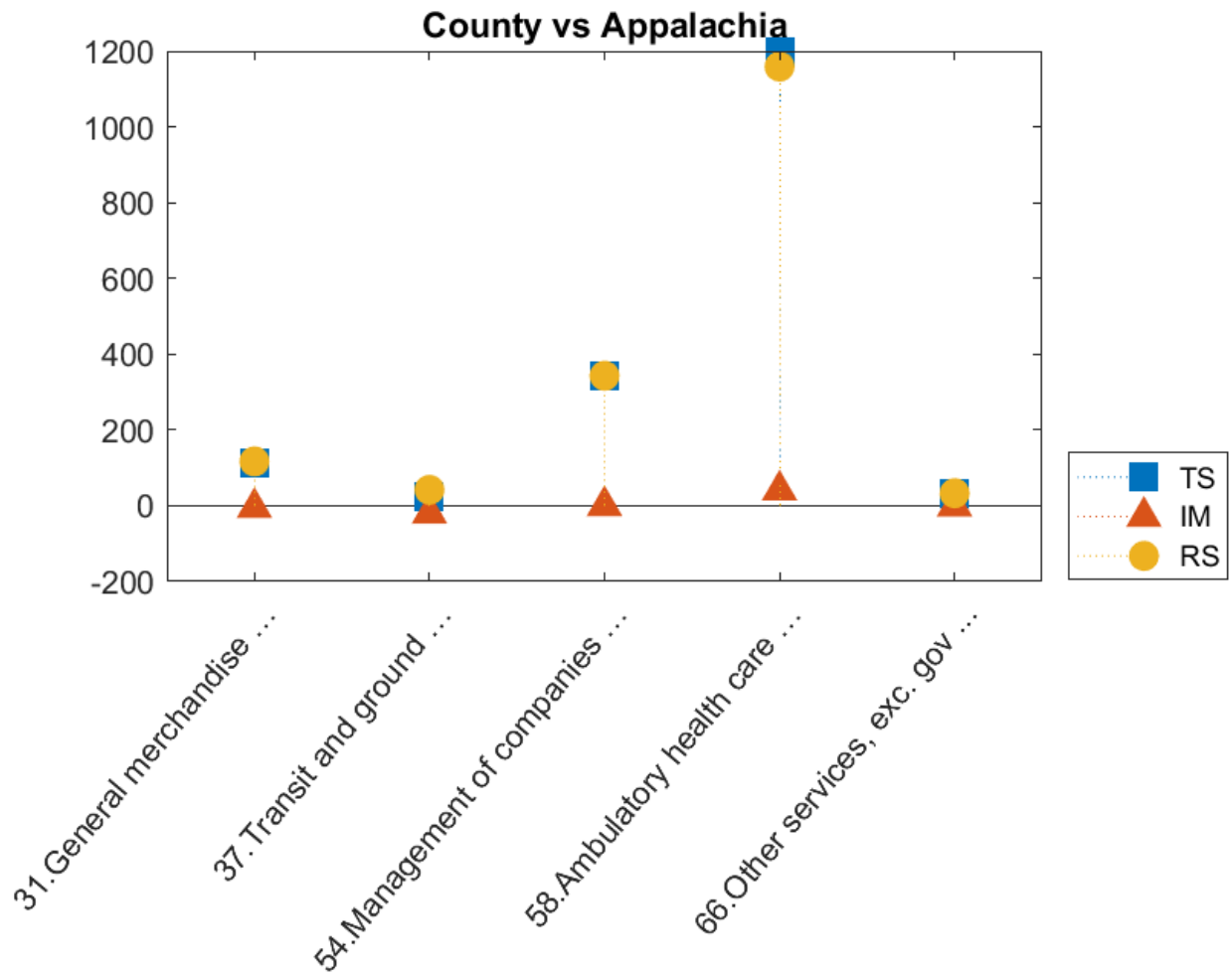


Chapter 14. Fentress County, Tennessee

Fentress County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	16	97	-8	105	253
37	Transit and ground ...	11	11	8	3	117
54	Management of companies ...	0	343	0	343	343
58	Ambulatory health care ...	14	1,186	45	1,141	1,327
66	Other services, exc. gov ...	6	26	-4	30	81

Selected SSA Components for Fentress County, Tennessee vs the Appalachian Region

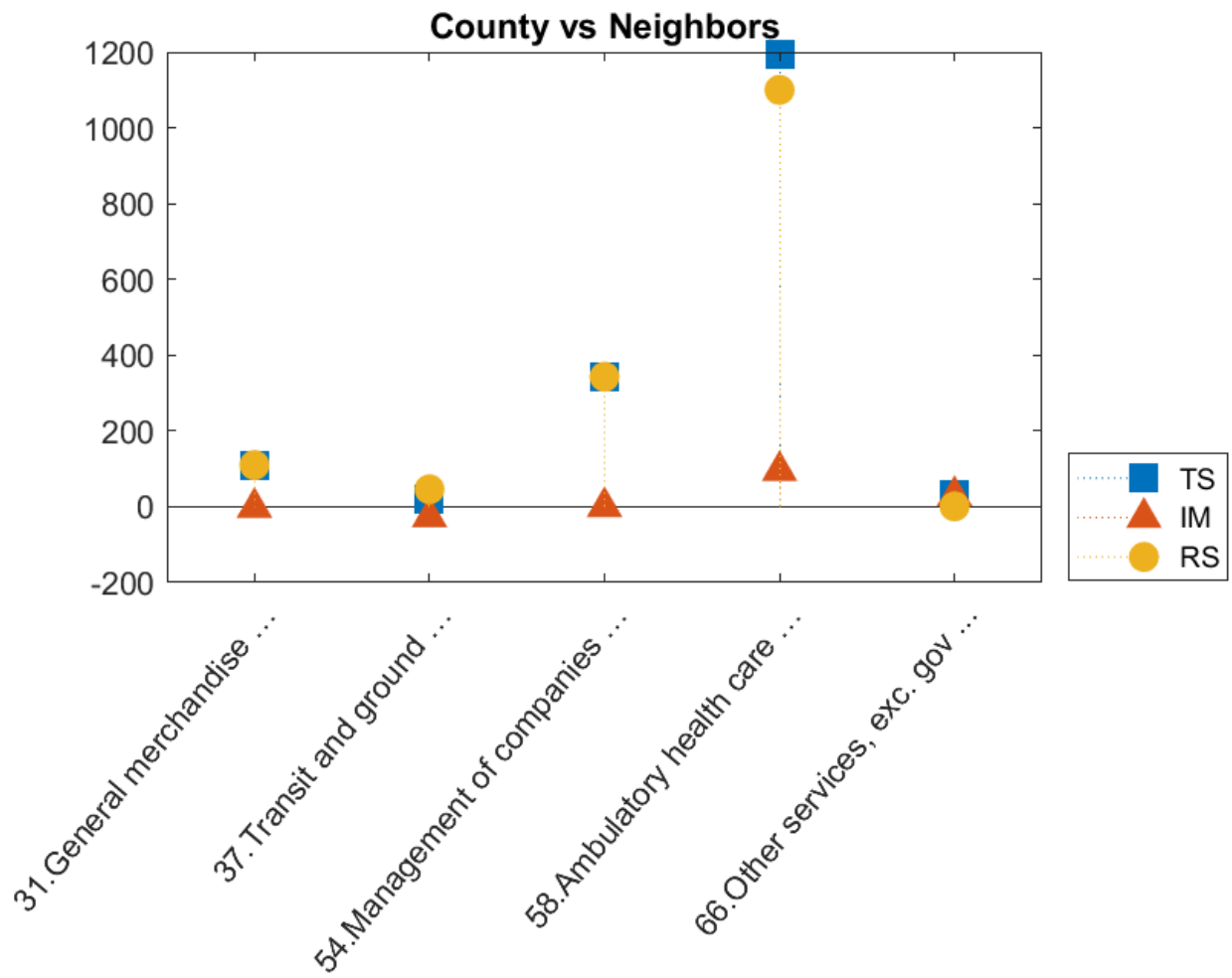


Chapter 14. Fentress County, Tennessee

Selected SSA Components for Fentress County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	0	112	-5	117	253
37	Transit and ground ...	0	22	-20	42	117
54	Management of companies ...	0	343	0	343	343
58	Ambulatory health care ...	0	1,200	41	1,159	1,327
66	Other services, exc. gov ...	0	32	-1	33	81

Selected SSA Components for Fentress County, Tennessee vs Neighbors



Chapter 14. Fentress County, Tennessee

Selected SSA Components for Fentress County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	6	108	-2	110	253
37	Transit and ground ...	4	19	-27	46	117
54	Management of companies ...	0	343	0	343	343
58	Ambulatory health care ...	5	1,195	95	1,100	1,327
66	Other services, exc. gov ...	2	30	29	1	81

Chapter 15. Franklin County, Tennessee

Employment in Franklin County, Tennessee, grew from 11,136 in 2005 to 11,894 in 2018, for a change of 758, or 6.81%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Franklin County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,255	-501	-527	26
vs. Appalachia	31	722	-121	843
vs. Neighbors	1,365	-606	-308	-298

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Franklin County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 15. Franklin County, Tennessee

Industry Group Membership for Franklin County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c iii	no	yes	yes	yes
09	Wood products	F III c i	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
61	Social assistance	B II b ii	yes	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Franklin County, Tennessee vs. the United States

Groups a, b, and c are from Franklin County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Franklin County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Franklin County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Franklin County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Franklin County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Franklin County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

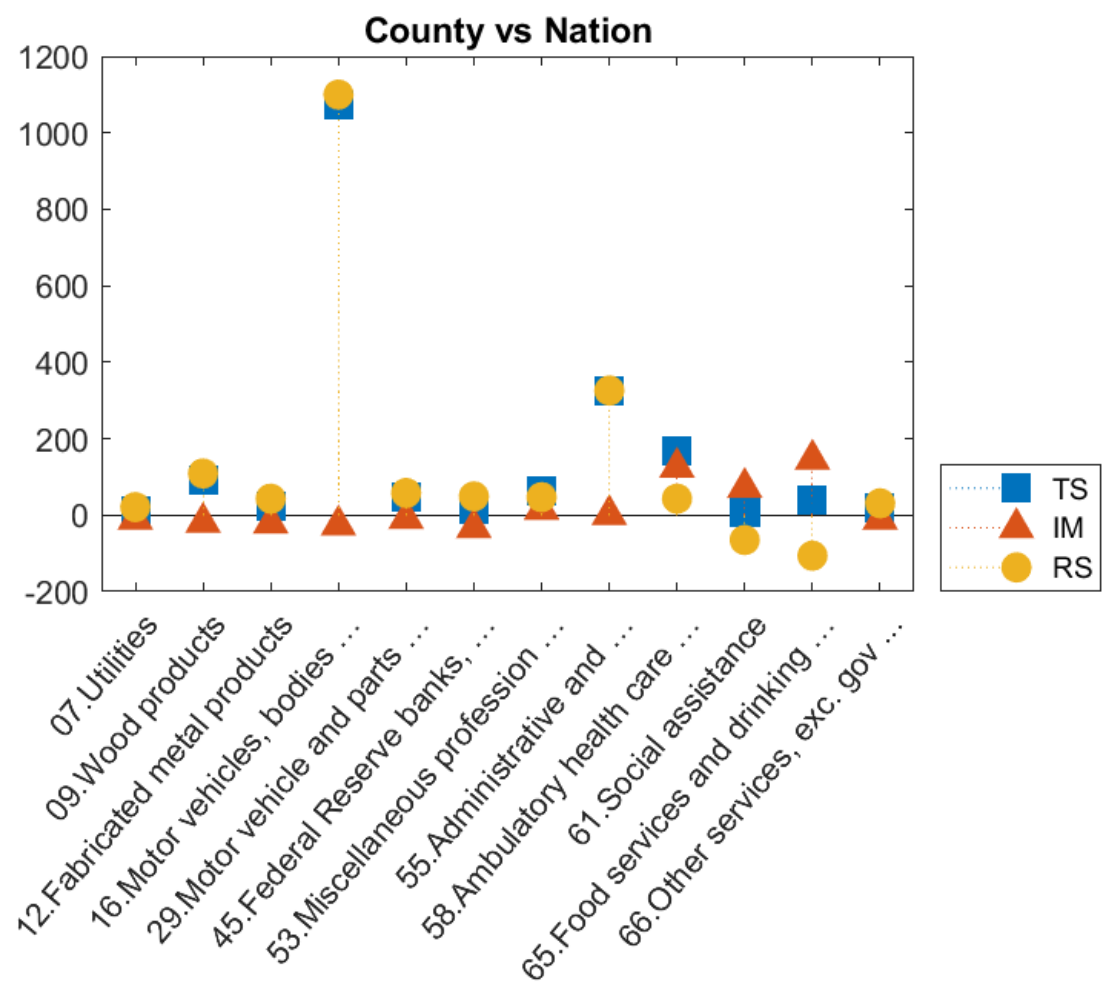
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Franklin County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Franklin County, Tennessee vs the U.S.

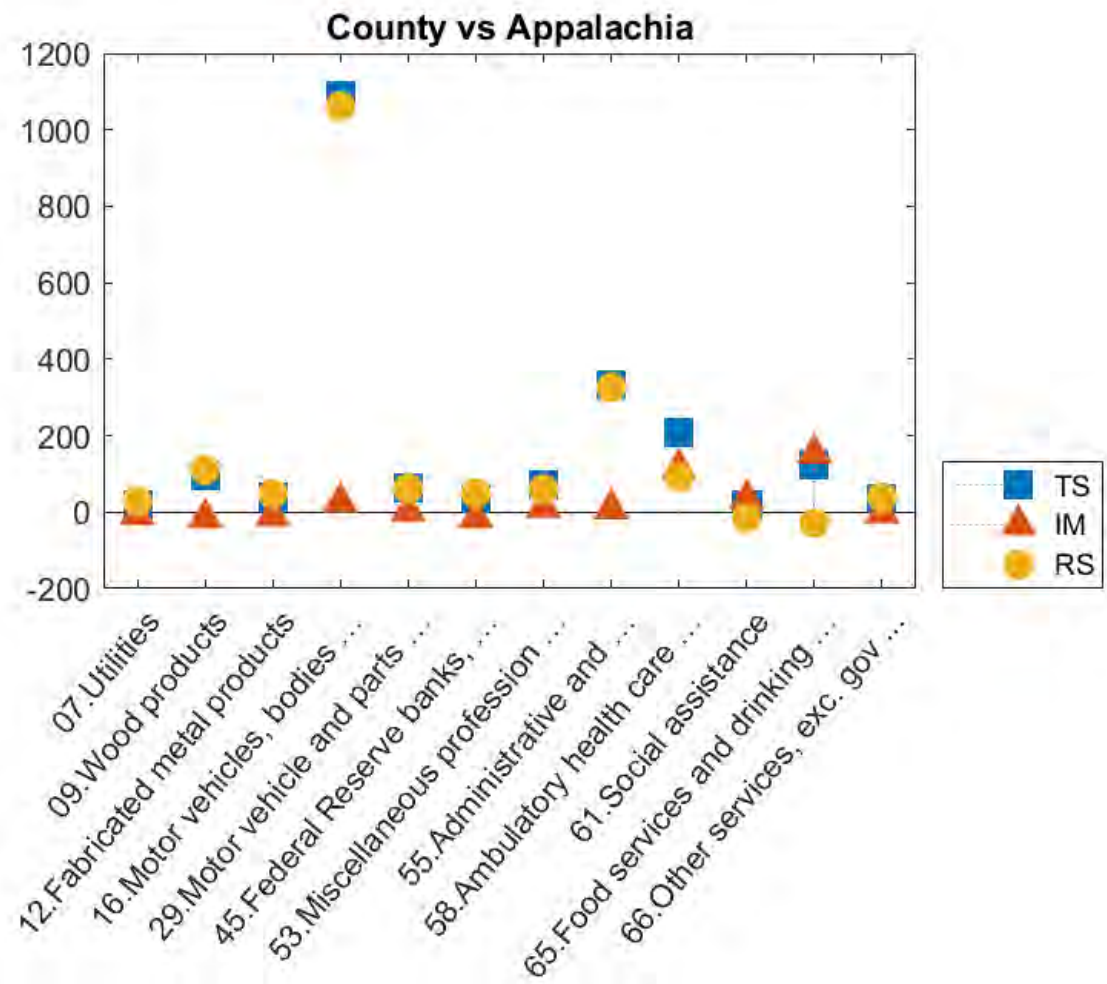


Chapter 15. Franklin County, Tennessee

Franklin County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	12	10	-11	21	130
09	Wood products	6	90	-19	109	145
12	Fabricated metal products	16	22	-21	43	179
16	Motor vehicles, bodies ...	14	1,074	-26	1,100	1,216
29	Motor vehicle and parts ...	16	49	-9	58	206
45	Federal Reserve banks, ...	19	16	-33	49	203
53	Miscellaneous profession ...	10	62	15	47	162
55	Administrative and ...	7	327	1	326	394
58	Ambulatory health care ...	40	168	125	43	565
61	Social assistance	12	7	72	-65	130
65	Food services and drinking ...	86	40	146	-106	890
66	Other services, exc. gov ...	16	20	-11	31	179

Selected SSA Components for Franklin County, Tennessee vs the Appalachian Region

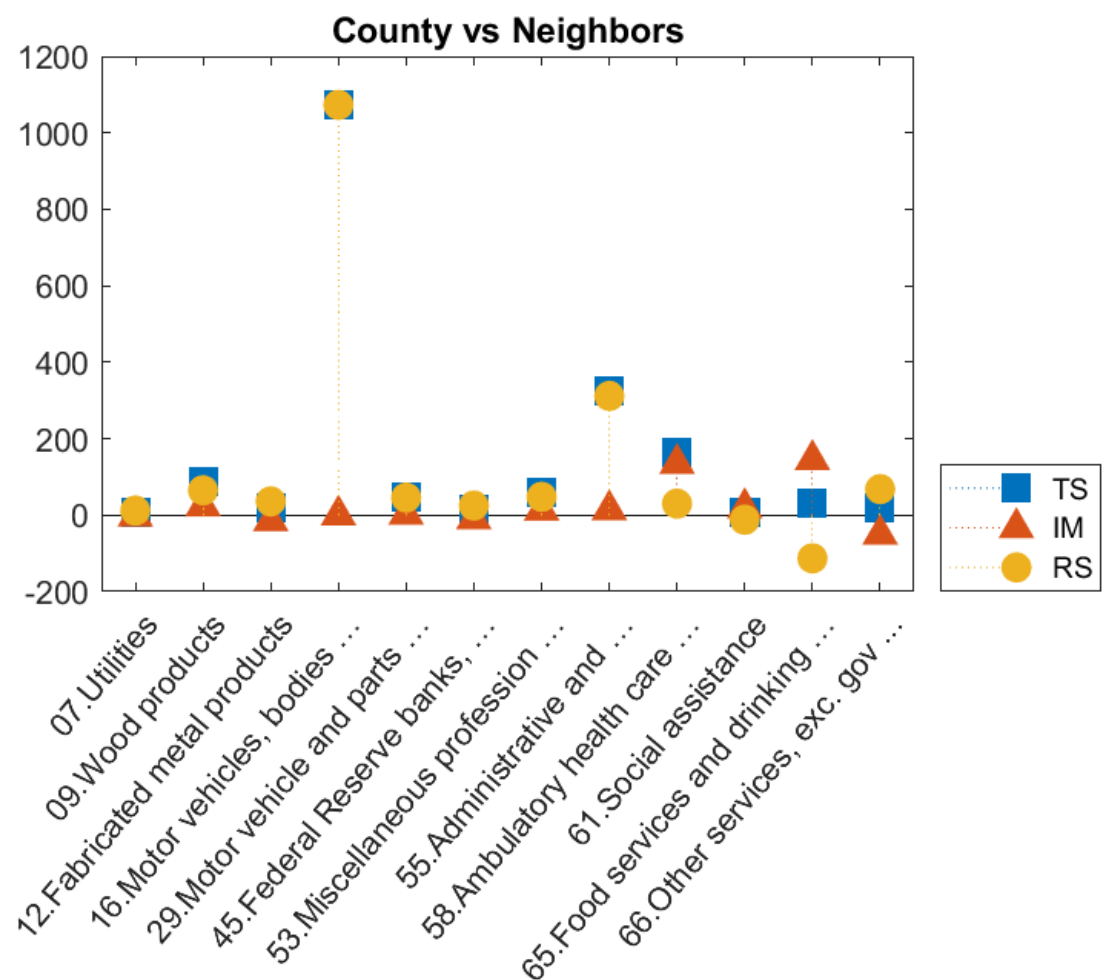


Chapter 15. Franklin County, Tennessee

Selected SSA Components for Franklin County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	21	-7	28	130
09	Wood products	0	95	-15	110	145
12	Fabricated metal products	0	38	-10	48	179
16	Motor vehicles, bodies ...	0	1,088	26	1,062	1,216
29	Motor vehicle and parts ...	0	64	2	62	206
45	Federal Reserve banks, ...	1	34	-15	49	203
53	Miscellaneous profession ...	0	72	12	60	162
55	Administrative and ...	0	334	8	326	394
58	Ambulatory health care ...	1	207	115	92	565
61	Social assistance	0	19	34	-15	130
65	Food services and drinking ...	3	124	153	-29	890
66	Other services, exc. gov ...	0	35	-3	38	179

Selected SSA Components for Franklin County, Tennessee vs Neighbors



Chapter 15. Franklin County, Tennessee

Selected SSA Components for Franklin County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	13	9	-3	12	130
09	Wood products	6	89	24	65	145
12	Fabricated metal products	17	21	-15	36	179
16	Motor vehicles, bodies ...	16	1,073	0	1,073	1,216
29	Motor vehicle and parts ...	17	48	2	46	206
45	Federal Reserve banks, ...	21	15	-10	25	203
53	Miscellaneous profession ...	11	61	13	48	162
55	Administrative and ...	7	326	14	312	394
58	Ambulatory health care ...	44	165	135	30	565
61	Social assistance	13	7	19	-12	130
65	Food services and drinking ...	94	32	145	-113	890
66	Other services, exc. gov ...	18	18	-50	68	179

Chapter 16. Grainger County, Tennessee

Employment in Grainger County, Tennessee, grew from 3,527 in 2005 to 4,011 in 2018, for a change of 484, or 13.72%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Grainger County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	401	89	-532	621
vs. Appalachia	9	473	-413	886
vs. Neighbors	146	334	-385	719

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Grainger County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 16. Grainger County, Tennessee

Industry Group Membership for Grainger County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F I a i	no	yes	yes	yes
08	Construction	F III c iii	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D I a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
67	Postal service	D III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Grainger County, Tennessee vs. the United States

Groups a, b, and c are from Grainger County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Grainger County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Grainger County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Grainger County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Grainger County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Grainger County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

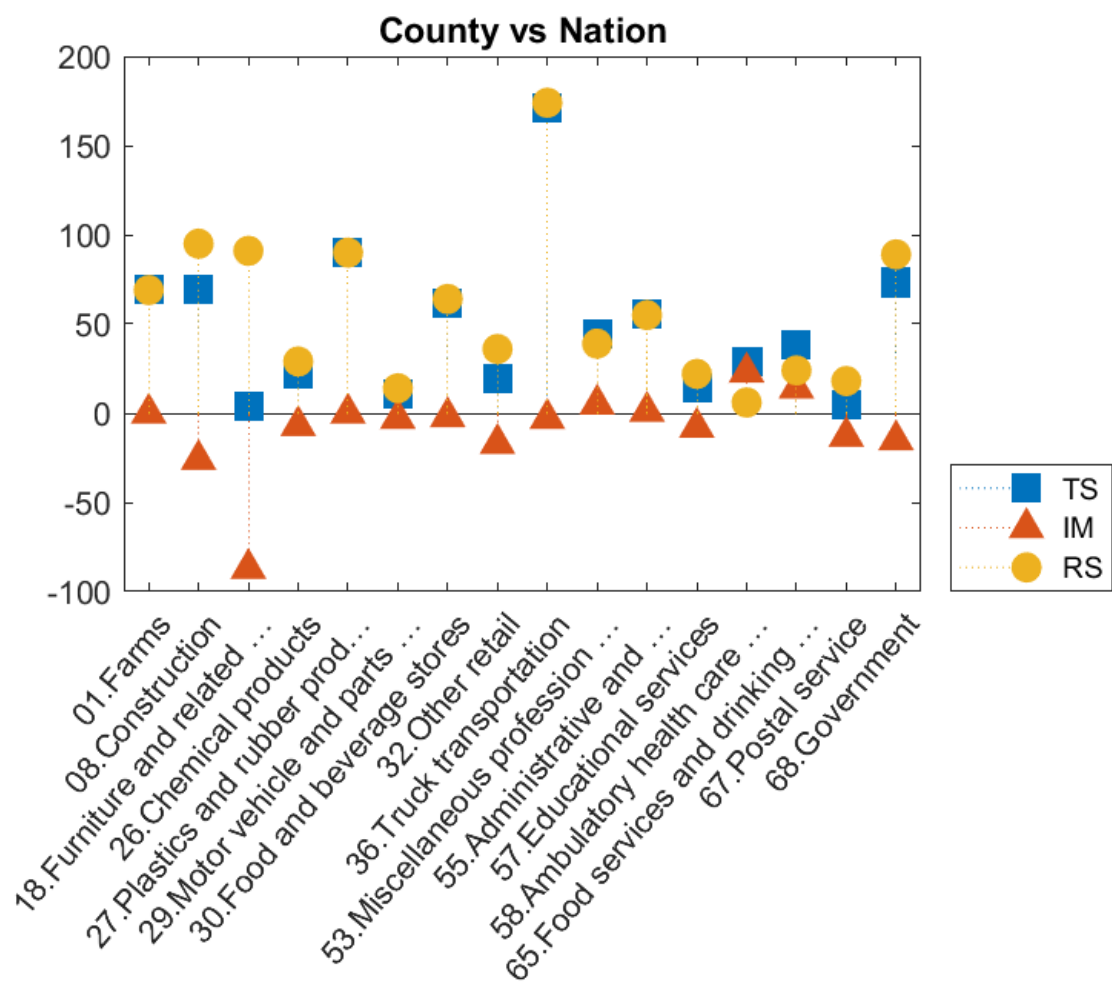
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Grainger County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Grainger County, Tennessee vs the U.S.

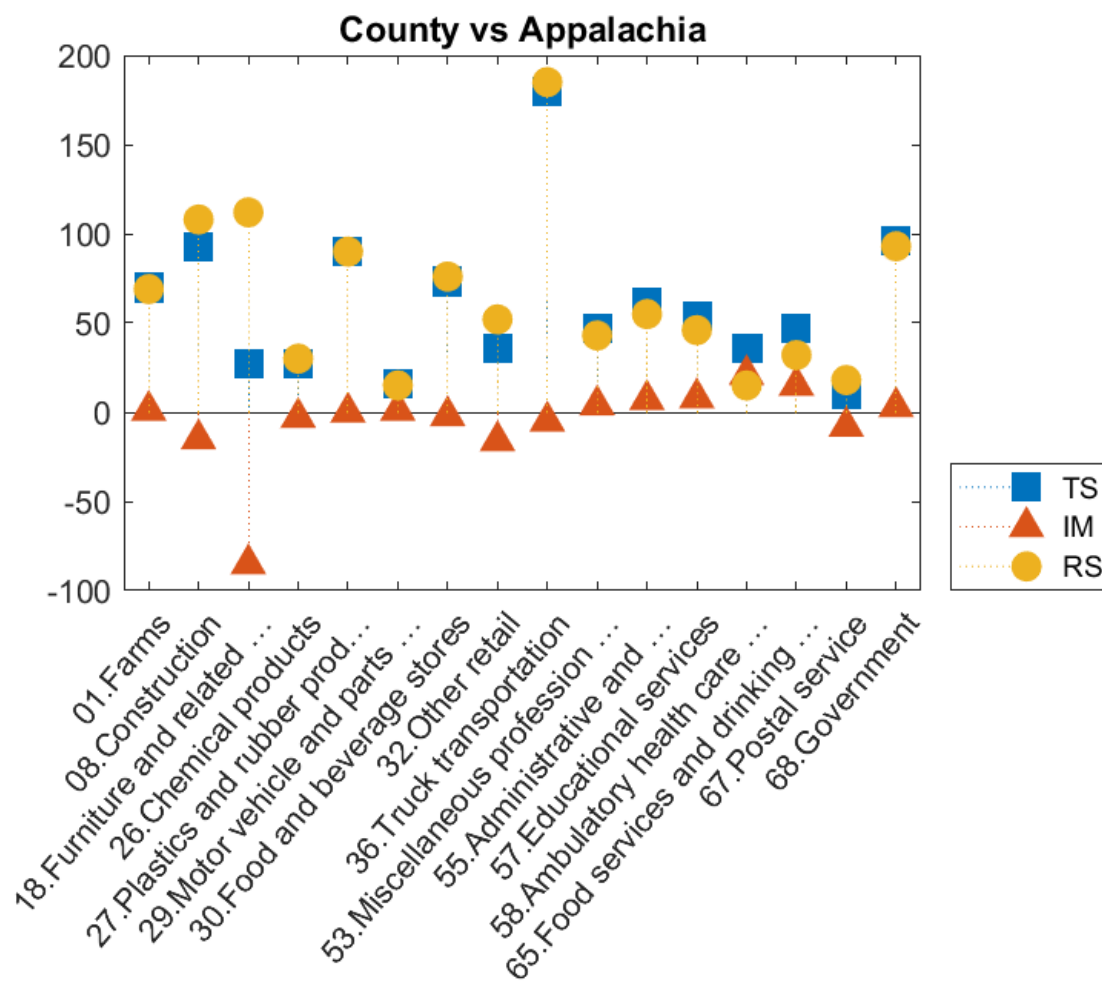


Chapter 16. Grainger County, Tennessee

Grainger County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	69	-0	69	81
08	Construction	24	69	-26	95	305
18	Furniture and related ...	24	4	-87	91	237
26	Chemical products	5	22	-7	29	69
27	Plastics and rubber prod...	0	90	0	90	90
29	Motor vehicle and parts ...	5	11	-3	14	60
30	Food and beverage stores	13	62	-2	64	187
32	Other retail	17	19	-17	36	184
36	Truck transportation	9	171	-3	174	262
53	Miscellaneous profession ...	3	44	5	39	74
55	Administrative and ...	6	56	1	55	113
57	Educational services	41	14	-8	22	418
58	Ambulatory health care ...	7	29	23	6	101
65	Food services and drinking ...	8	38	14	24	122
67	Postal service	4	5	-13	18	49
68	Government	23	74	-15	89	296

Selected SSA Components for Grainger County, Tennessee vs the Appalachian Region

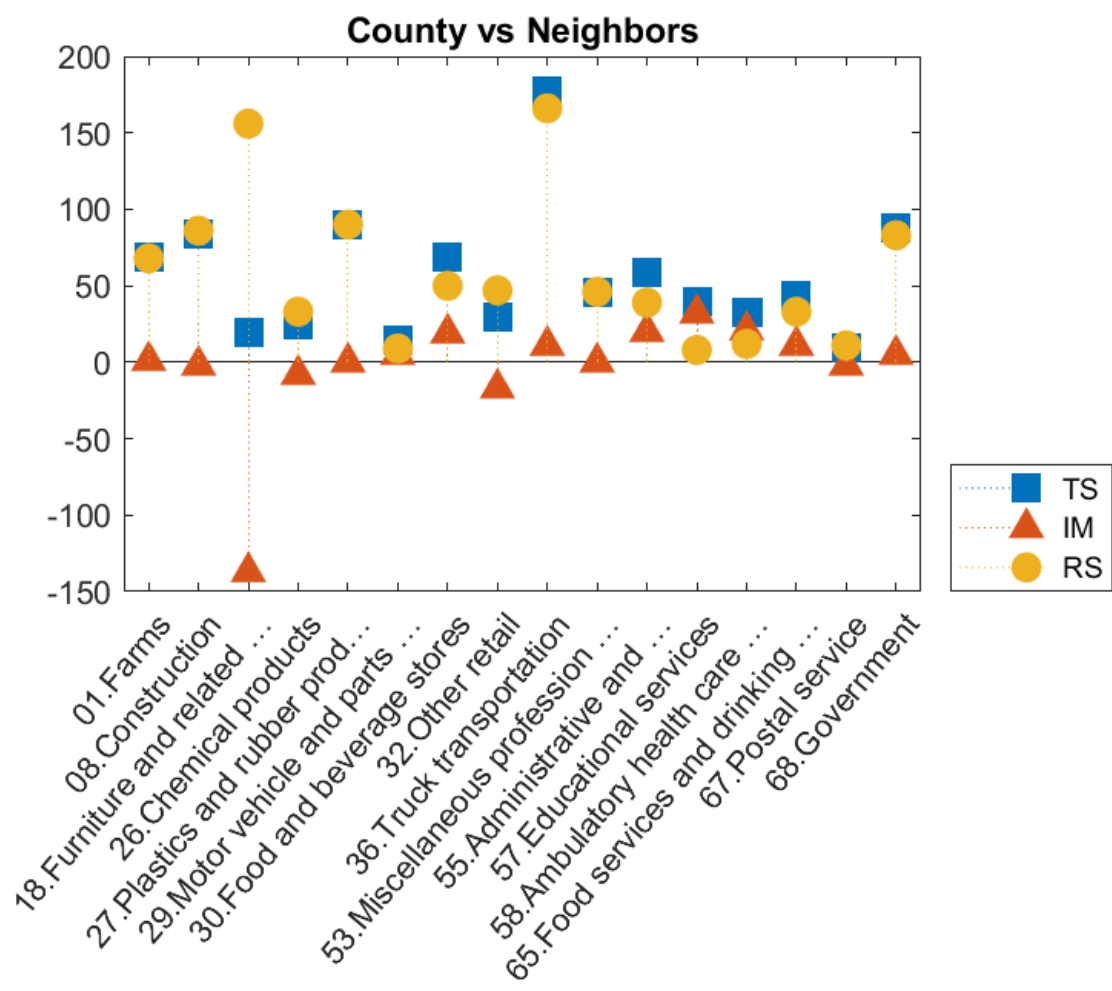


Chapter 16. Grainger County, Tennessee

Selected SSA Components for Grainger County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	70	1	69	81
08	Construction	1	93	-15	108	305
18	Furniture and related ...	1	27	-85	112	237
26	Chemical products	0	27	-3	30	69
27	Plastics and rubber prod...	0	90	0	90	90
29	Motor vehicle and parts ...	0	16	1	15	60
30	Food and beverage stores	0	74	-2	76	187
32	Other retail	1	36	-16	52	184
36	Truck transportation	0	180	-5	185	262
53	Miscellaneous profession ...	0	47	4	43	74
55	Administrative and ...	0	62	7	55	113
57	Educational services	1	54	8	46	418
58	Ambulatory health care ...	0	36	21	15	101
65	Food services and drinking ...	0	47	15	32	122
67	Postal service	0	10	-8	18	49
68	Government	1	96	3	93	296

Selected SSA Components for Grainger County, Tennessee vs Neighbors



Chapter 16. Grainger County, Tennessee

Selected SSA Components for Grainger County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	69	1	68	81
08	Construction	9	84	-2	86	305
18	Furniture and related ...	9	19	-137	156	237
26	Chemical products	2	25	-8	33	69
27	Plastics and rubber prod...	0	90	0	90	90
29	Motor vehicle and parts ...	2	14	5	9	60
30	Food and beverage stores	5	69	19	50	187
32	Other retail	6	30	-17	47	184
36	Truck transportation	3	177	11	166	262
53	Miscellaneous profession ...	1	46	-0	46	74
55	Administrative and ...	2	59	20	39	113
57	Educational services	15	40	32	8	418
58	Ambulatory health care ...	3	33	21	12	101
65	Food services and drinking ...	3	44	11	33	122
67	Postal service	2	9	-2	11	49
68	Government	8	88	5	83	296

Chapter 17. Greene County, Tennessee

Employment in Greene County, Tennessee, declined from 29,710 in 2005 to 25,235 in 2018, for a change of -4,475, or -15.06%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Greene County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	3,346	-7,829	-1,520	-6,309
vs. Appalachia	99	-4,575	-923	-3,652
vs. Neighbors	-1,793	-2,680	-1,793	-887

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Greene County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 17. Greene County, Tennessee

Industry Group Membership for Greene County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
13	Machinery	F III c iii	no	yes	yes	yes
20	Food and beverage ...	E I c i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
32	Other retail	F III c i	no	yes	yes	yes
40	Warehousing and storage	E I a i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a iii	yes	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
59	Hospitals	E I a iii	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Greene County, Tennessee vs. the United States

Groups a, b, and c are from Greene County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Greene County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Greene County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Greene County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Greene County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Greene County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

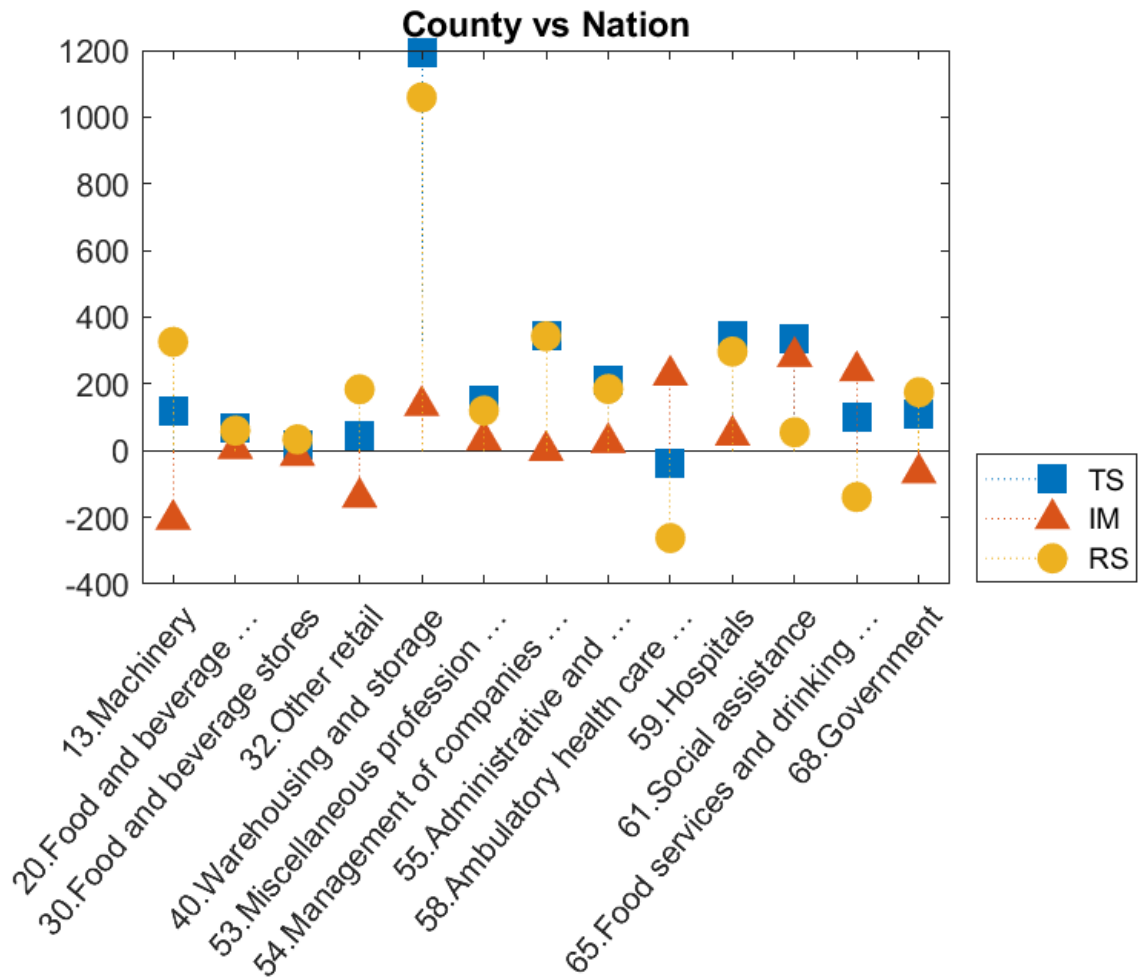
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Greene County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Greene County, Tennessee vs the U.S.

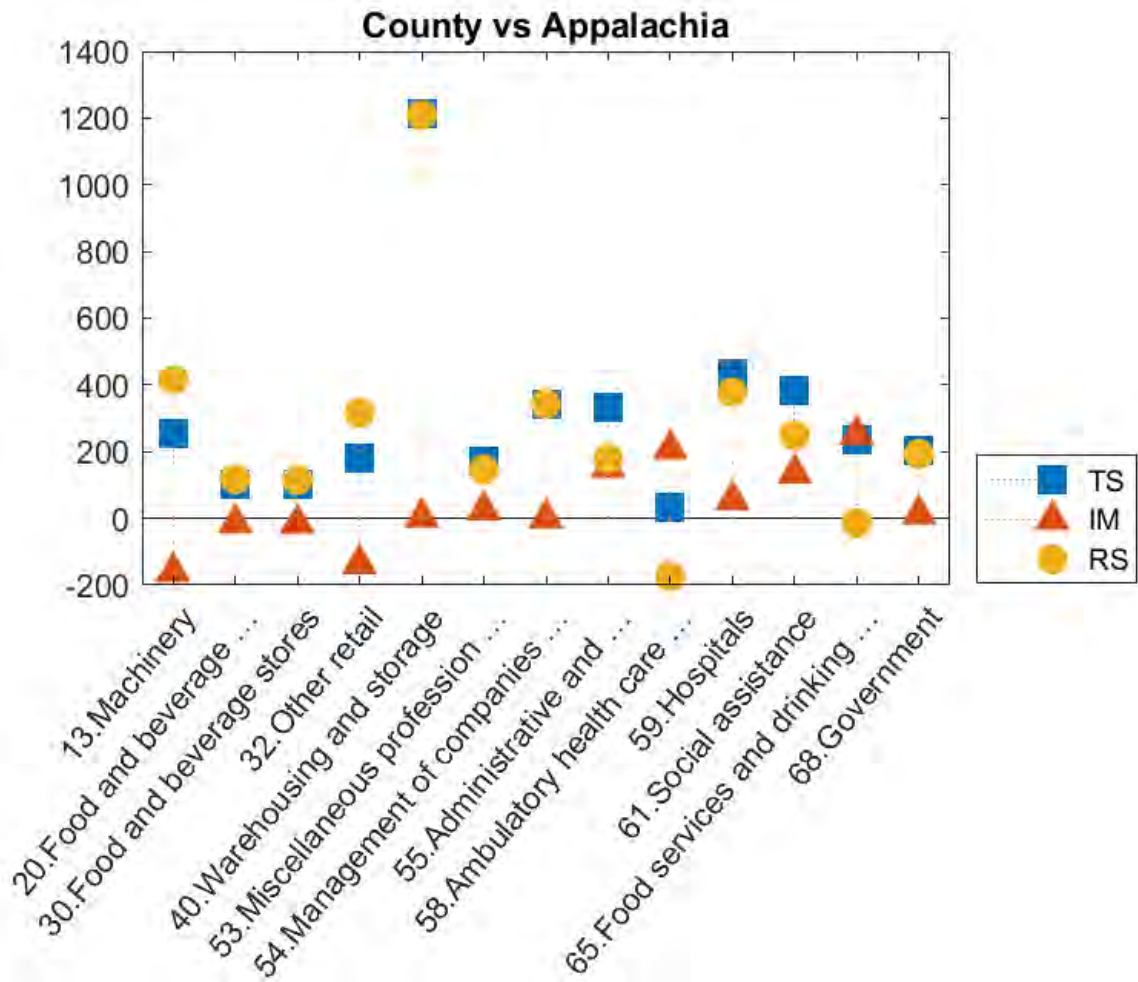


Chapter 17. Greene County, Tennessee

Greene County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	139	120	-206	326	1,494
20	Food and beverage ...	40	66	6	60	456
30	Food and beverage stores	82	19	-15	34	833
32	Other retail	141	44	-140	184	1,431
40	Warehousing and storage	18	1,194	135	1,059	1,373
53	Miscellaneous profession ...	21	152	32	120	363
54	Management of companies ...	0	343	0	343	343
55	Administrative and ...	127	209	24	185	1,461
58	Ambulatory health care ...	73	-36	226	-262	679
59	Hospitals	93	343	46	297	1,263
61	Social assistance	48	337	282	55	815
65	Food services and drinking ...	141	100	239	-139	1,495
68	Government	99	108	-67	175	1,090

Selected SSA Components for Greene County, Tennessee vs the Appalachian Region

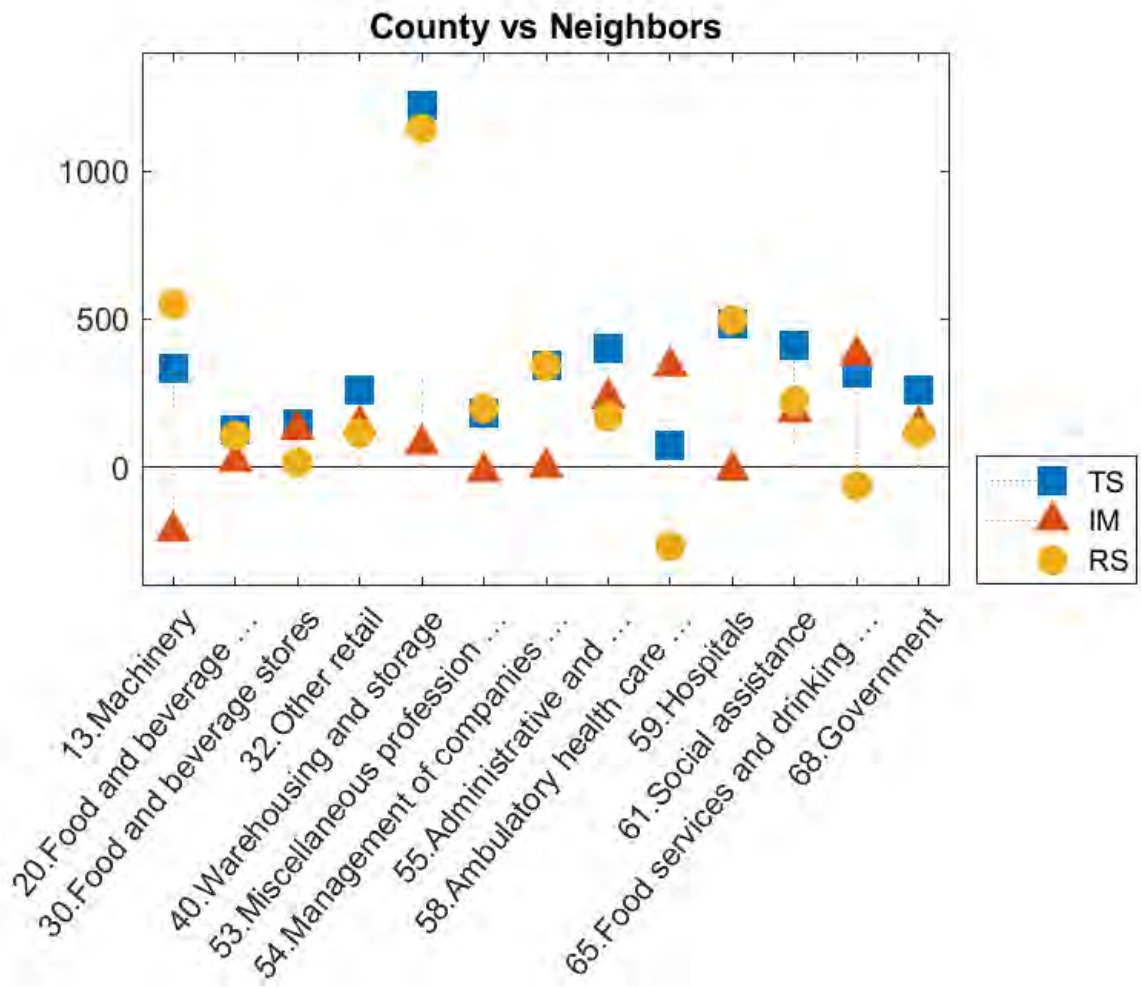


Chapter 17. Greene County, Tennessee

Selected SSA Components for Greene County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	4	256	-160	416	1,494
20	Food and beverage ...	1	104	-14	118	456
30	Food and beverage stores	2	100	-15	115	833
32	Other retail	4	180	-136	316	1,431
40	Warehousing and storage	1	1,212	3	1,209	1,373
53	Miscellaneous profession ...	1	172	25	147	363
54	Management of companies ...	0	343	0	343	343
55	Administrative and ...	4	332	153	179	1,461
58	Ambulatory health care ...	2	34	208	-174	679
59	Hospitals	3	433	55	378	1,263
61	Social assistance	1	384	135	249	815
65	Food services and drinking ...	4	237	251	-14	1,495
68	Government	3	205	12	193	1,090

Selected SSA Components for Greene County, Tennessee vs Neighbors



Chapter 17. Greene County, Tennessee

Selected SSA Components for Greene County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	-74	335	-215	550	1,494
20	Food and beverage ...	-21	127	20	107	456
30	Food and beverage stores	-44	146	128	18	833
32	Other retail	-75	260	144	116	1,431
40	Warehousing and storage	-10	1,221	78	1,143	1,373
53	Miscellaneous profession ...	-11	185	-14	199	363
54	Management of companies ...	-0	343	0	343	343
55	Administrative and ...	-68	404	233	171	1,461
58	Ambulatory health care ...	-39	75	341	-266	679
59	Hospitals	-50	487	-11	498	1,263
61	Social assistance	-26	411	187	224	815
65	Food services and drinking ...	-76	317	379	-62	1,495
68	Government	-53	261	142	119	1,090

Chapter 18. Grundy County, Tennessee

Employment in Grundy County, Tennessee, declined from 3,531 in 2005 to 2,034 in 2018, for a change of -1,497, or -42.4%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Grundy County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	396	-1,897	-172	-1,725
vs. Appalachia	10	-1,511	-30	-1,481
vs. Neighbors	-67	-1,433	118	-1,551

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Grundy County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 18. Grundy County, Tennessee

Industry Group Membership for Grundy County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C IV n ii	yes	no	no	yes
22	Apparel and leather ...	F III c iii	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Grundy County, Tennessee vs. the United States

Groups a, b, and c are from Grundy County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Grundy County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Grundy County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Grundy County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Grundy County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Grundy County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

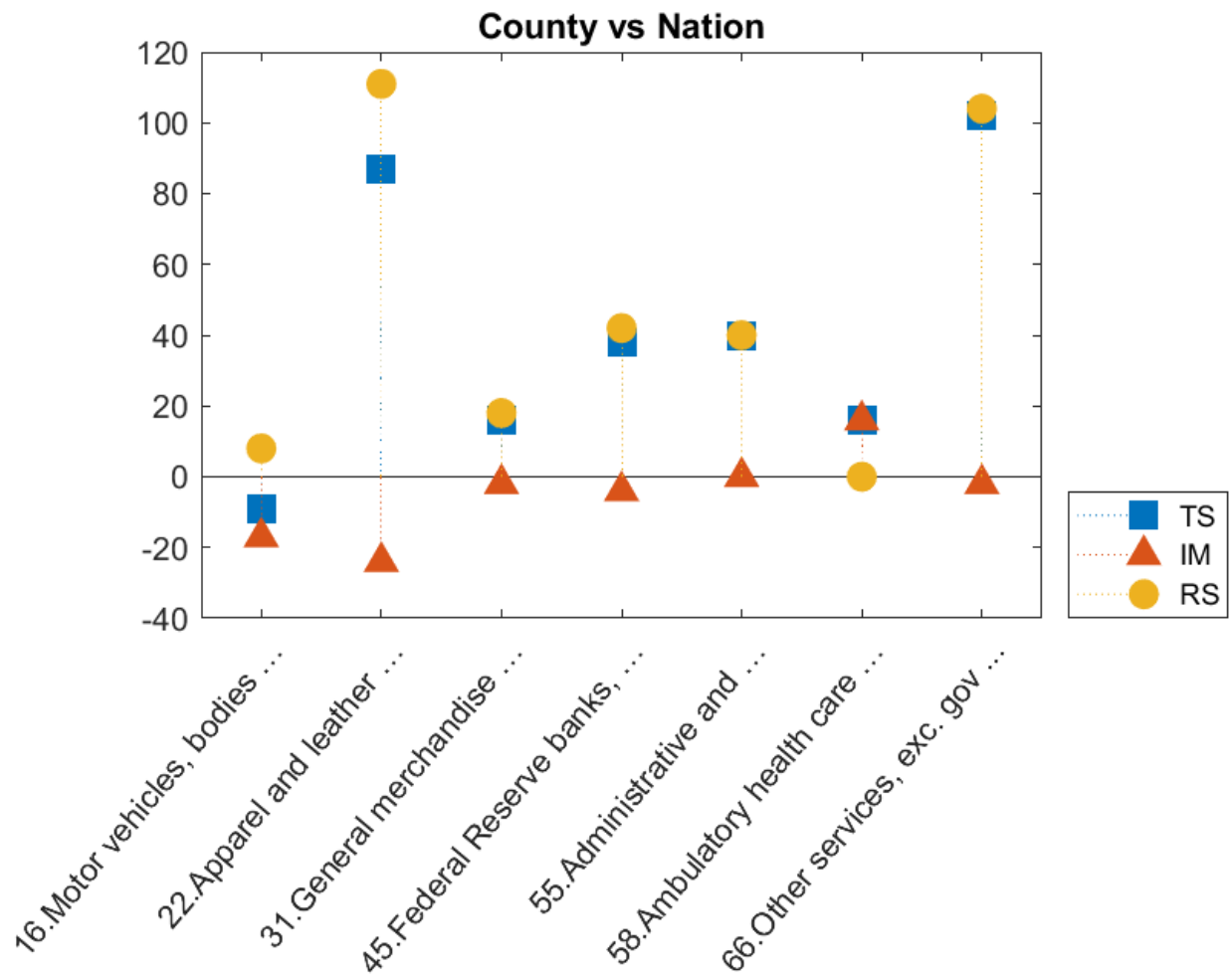
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Grundy County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Grundy County, Tennessee vs the U.S.

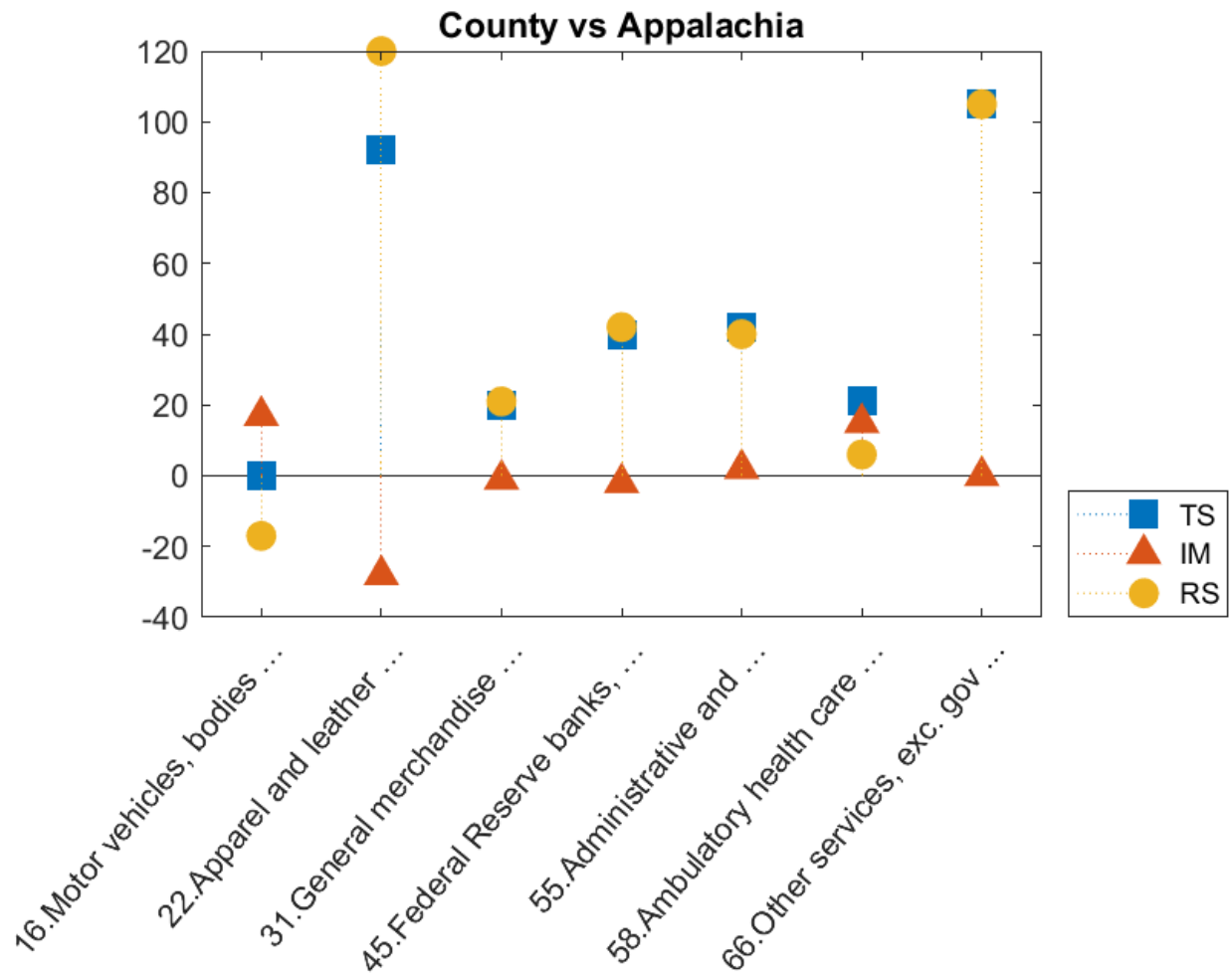


Chapter 18. Grundy County, Tennessee

Grundy County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	9	-9	-17	8	83
22	Apparel and leather ...	5	87	-24	111	135
31	General merchandise ...	3	16	-2	18	49
45	Federal Reserve banks, ...	2	38	-4	42	59
55	Administrative and ...	2	40	0	40	57
58	Ambulatory health care ...	5	16	16	-0	67
66	Other services, exc. gov ...	2	102	-2	104	126

Selected SSA Components for Grundy County, Tennessee vs the Appalachian Region

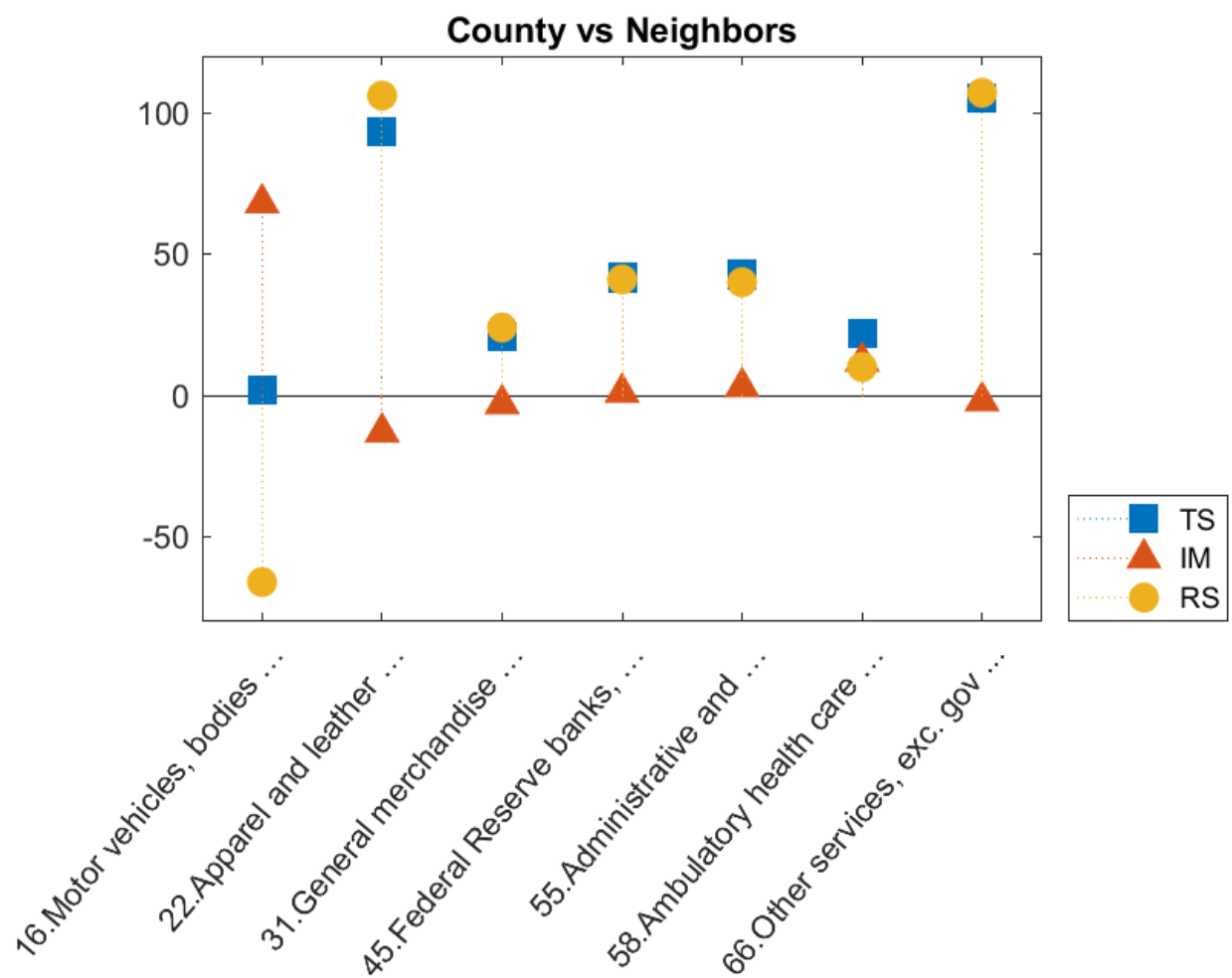


Chapter 18. Grundy County, Tennessee

Selected SSA Components for Grundy County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	0	0	17	-17	83
22	Apparel and leather ...	0	92	-28	120	135
31	General merchandise ...	0	20	-1	21	49
45	Federal Reserve banks, ...	0	40	-2	42	59
55	Administrative and ...	0	42	2	40	57
58	Ambulatory health care ...	0	21	15	6	67
66	Other services, exc. gov ...	0	105	-0	105	126

Selected SSA Components for Grundy County, Tennessee vs Neighbors



Chapter 18. Grundy County, Tennessee

Selected SSA Components for Grundy County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	-2	2	68	-66	83
22	Apparel and leather ...	-1	93	-13	106	135
31	General merchandise ...	-1	21	-3	24	49
45	Federal Reserve banks, ...	-0	42	1	41	59
55	Administrative and ...	-0	43	3	40	57
58	Ambulatory health care ...	-1	22	12	10	67
66	Other services, exc. gov ...	-0	105	-2	107	126

Chapter 19. Hamblen County, Tennessee

Employment in Hamblen County, Tennessee, declined from 36,173 in 2005 to 31,277 in 2018, for a change of -4,896, or -13.53%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Hamblen County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	4,078	-8,980	-2,611	-6,369
vs. Appalachia	122	-5,018	-1,273	-3,745
vs. Neighbors	-2,763	-2,128	-512	-1,616

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Hamblen County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 19. Hamblen County, Tennessee

Industry Group Membership for Hamblen County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
19	Miscellaneous manufac ...	F III c i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
55	Administrative and ...	A V e ii	yes	no	no	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Hamblen County, Tennessee vs. the United States

Groups a, b, and c are from Hamblen County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Hamblen County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Hamblen County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Hamblen County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Hamblen County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Hamblen County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

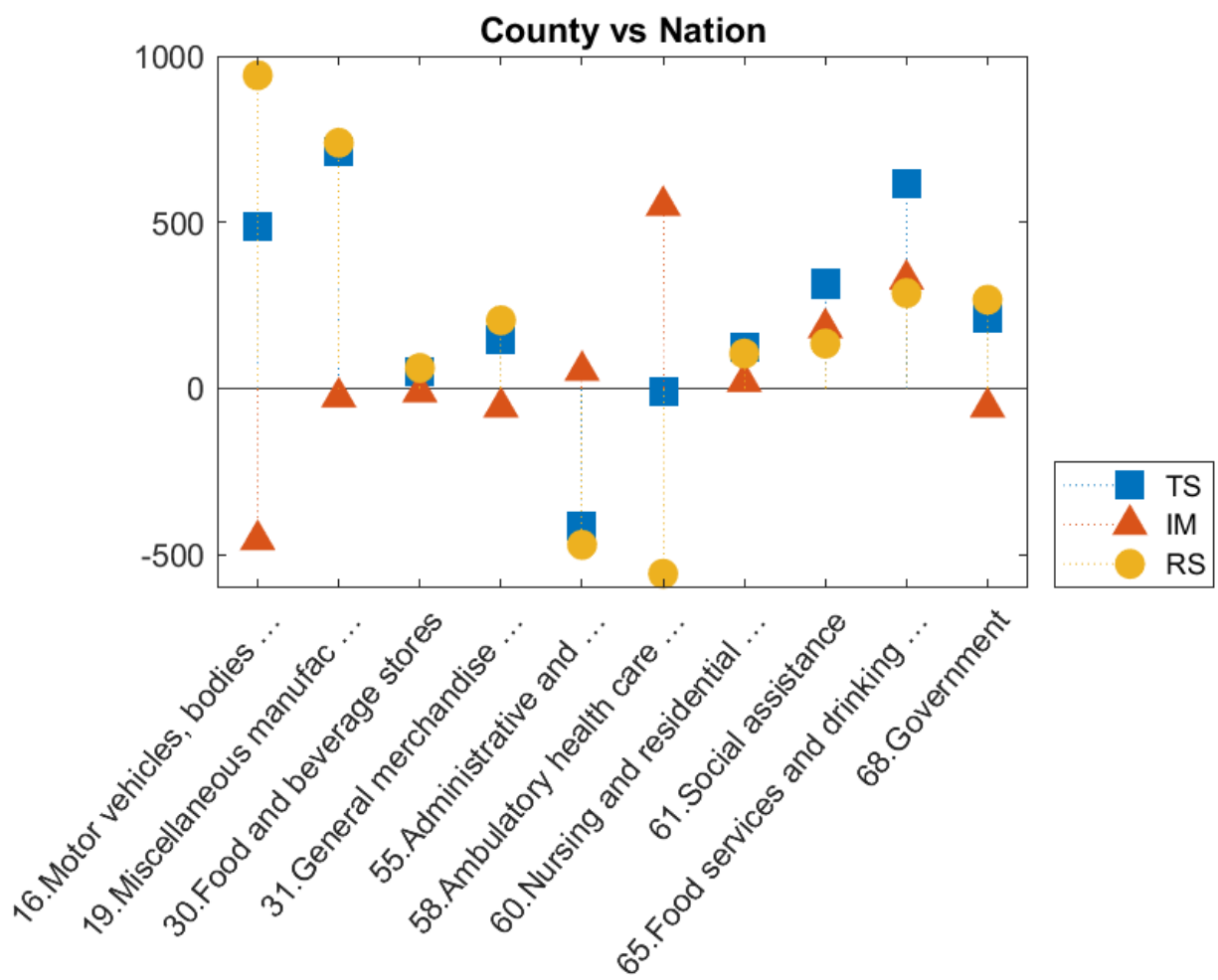
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Hamblen County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Hamblen County, Tennessee vs the U.S.

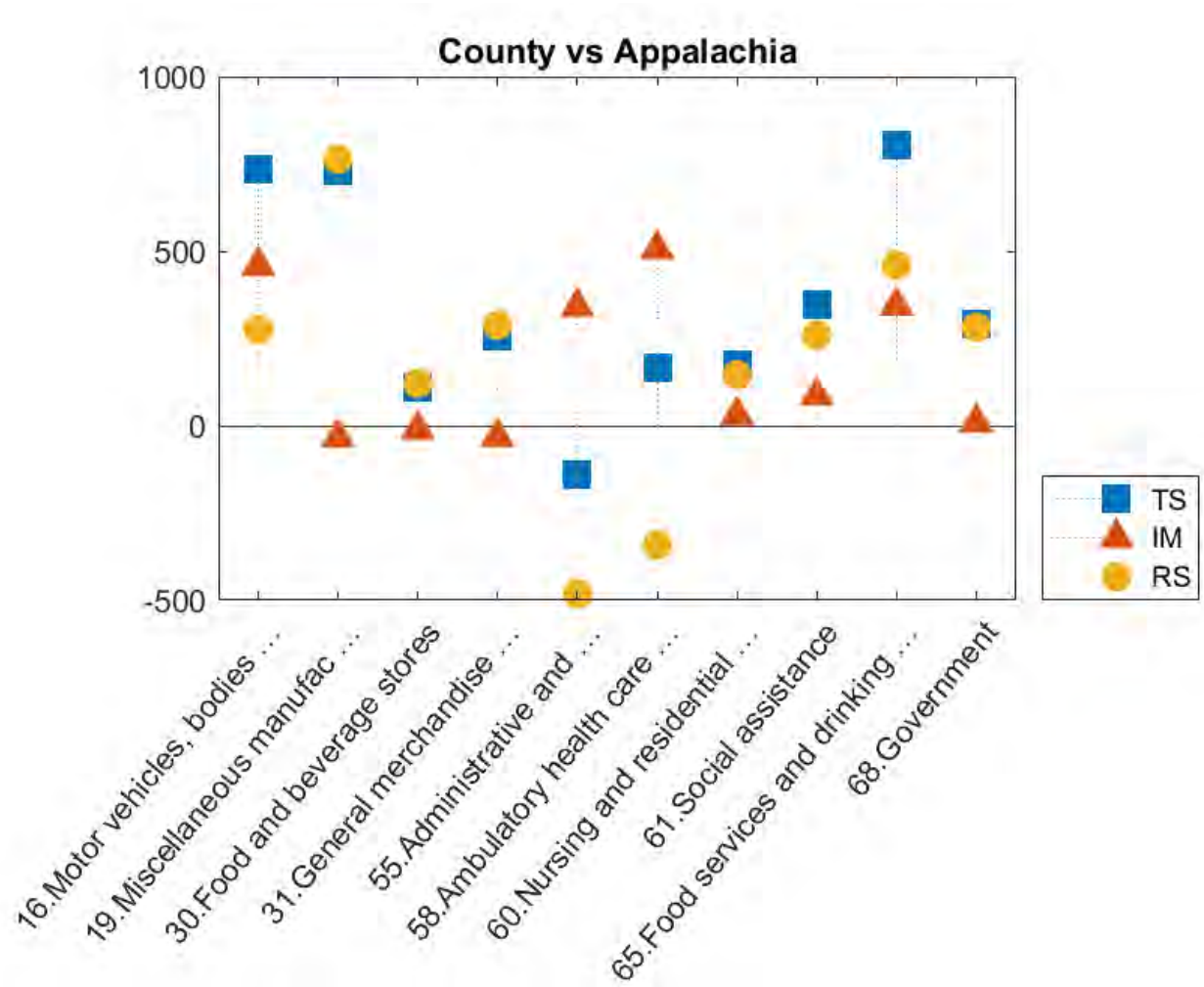


Chapter 19. Hamblen County, Tennessee

Hamblen County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	254	487	-455	942	2,994
19	Miscellaneous manufac ...	18	713	-26	739	892
30	Food and beverage stores	61	51	-11	62	655
31	General merchandise ...	109	149	-56	205	1,228
55	Administrative and ...	283	-416	54	-470	2,374
58	Ambulatory health care ...	177	-7	550	-557	1,738
60	Nursing and residential ...	52	125	20	105	639
61	Social assistance	31	317	182	135	625
65	Food services and drinking ...	194	615	328	287	2,533
68	Government	83	211	-56	267	1,026

Selected SSA Components for Hamblen County, Tennessee vs the Appalachian Region

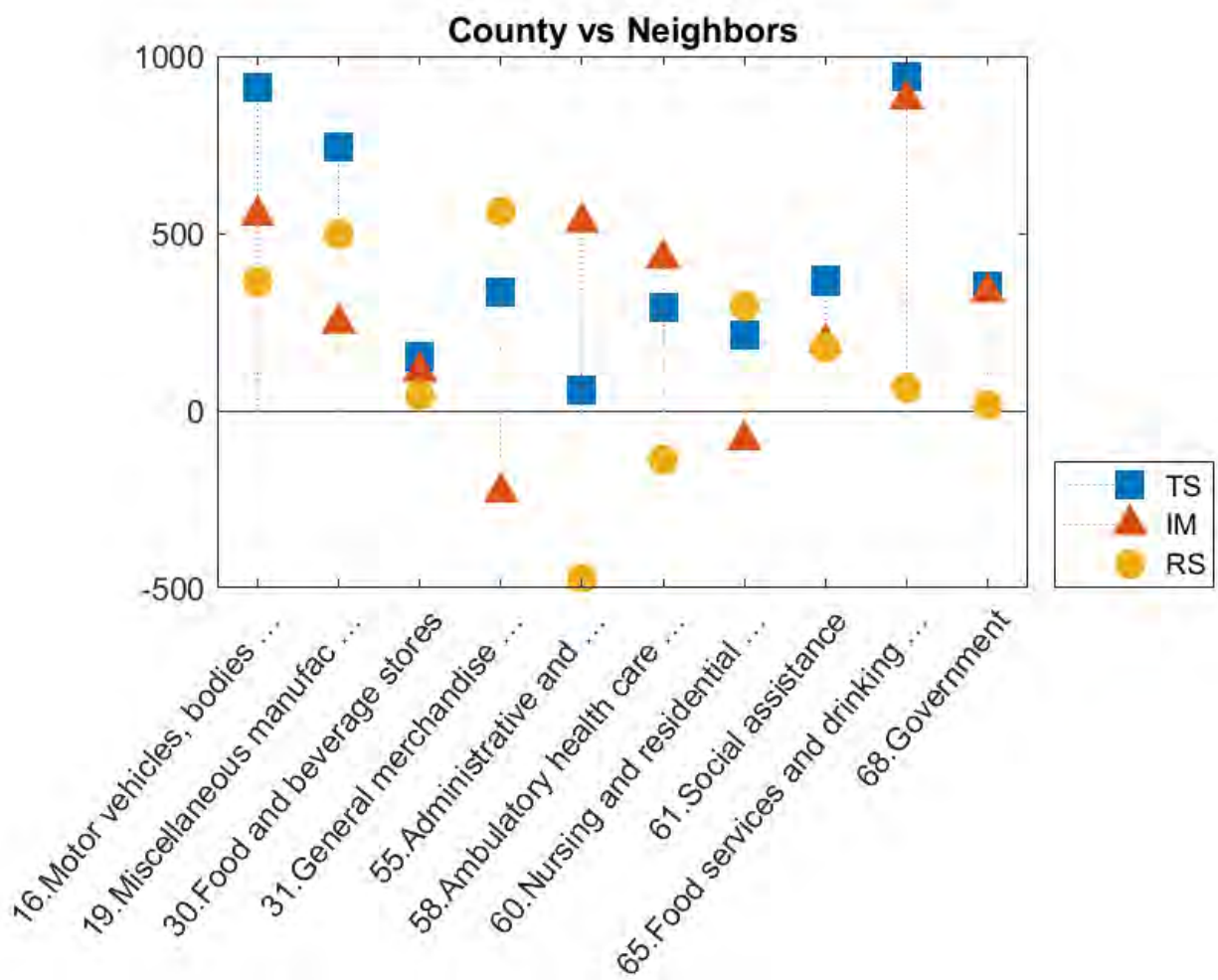


Chapter 19. Hamblen County, Tennessee

Selected SSA Components for Hamblen County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	8	733	458	275	2,994
19	Miscellaneous manufac ...	1	730	-34	764	892
30	Food and beverage stores	2	111	-11	122	655
31	General merchandise ...	3	255	-33	288	1,228
55	Administrative and ...	9	-141	341	-482	2,374
58	Ambulatory health care ...	5	164	506	-342	1,738
60	Nursing and residential ...	2	176	30	146	639
61	Social assistance	1	347	87	260	625
65	Food services and drinking ...	6	804	344	460	2,533
68	Government	2	292	10	282	1,026

Selected SSA Components for Hamblen County, Tennessee vs Neighbors



Chapter 19. Hamblen County, Tennessee

Selected SSA Components for Hamblen County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	-172	913	550	363	2,994
19	Miscellaneous manufac ...	-12	743	246	497	892
30	Food and beverage stores	-41	153	110	43	655
31	General merchandise ...	-74	332	-230	562	1,228
55	Administrative and ...	-192	59	531	-472	2,374
58	Ambulatory health care ...	-120	290	429	-139	1,738
60	Nursing and residential ...	-35	212	-83	295	639
61	Social assistance	-21	369	191	178	625
65	Food services and drinking ...	-132	942	878	64	2,533
68	Government	-56	350	334	16	1,026

Chapter 20. Hamilton County, Tennessee

Employment in Hamilton County, Tennessee, grew from 205,568 in 2005 to 205,604 in 2018, for a change of 36, or 0.02%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Hamilton County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	23,184	-23,148	10,077	-33,225
vs. Appalachia	697	-668	1,979	-2,647
vs. Neighbors	-2,658	2,697	-1,777	4,474

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Hamilton County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 20. Hamilton County, Tennessee

Industry Group Membership for Hamilton County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B V b iii	yes	no	yes	yes
54	Management of companies ...	A II b ii	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II a ii	yes	yes	yes	yes
59	Hospitals	E I a iii	no	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B II a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Hamilton County, Tennessee vs. the United States

Groups a, b, and c are from Hamilton County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Hamilton County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Hamilton County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Hamilton County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Hamilton County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Hamilton County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

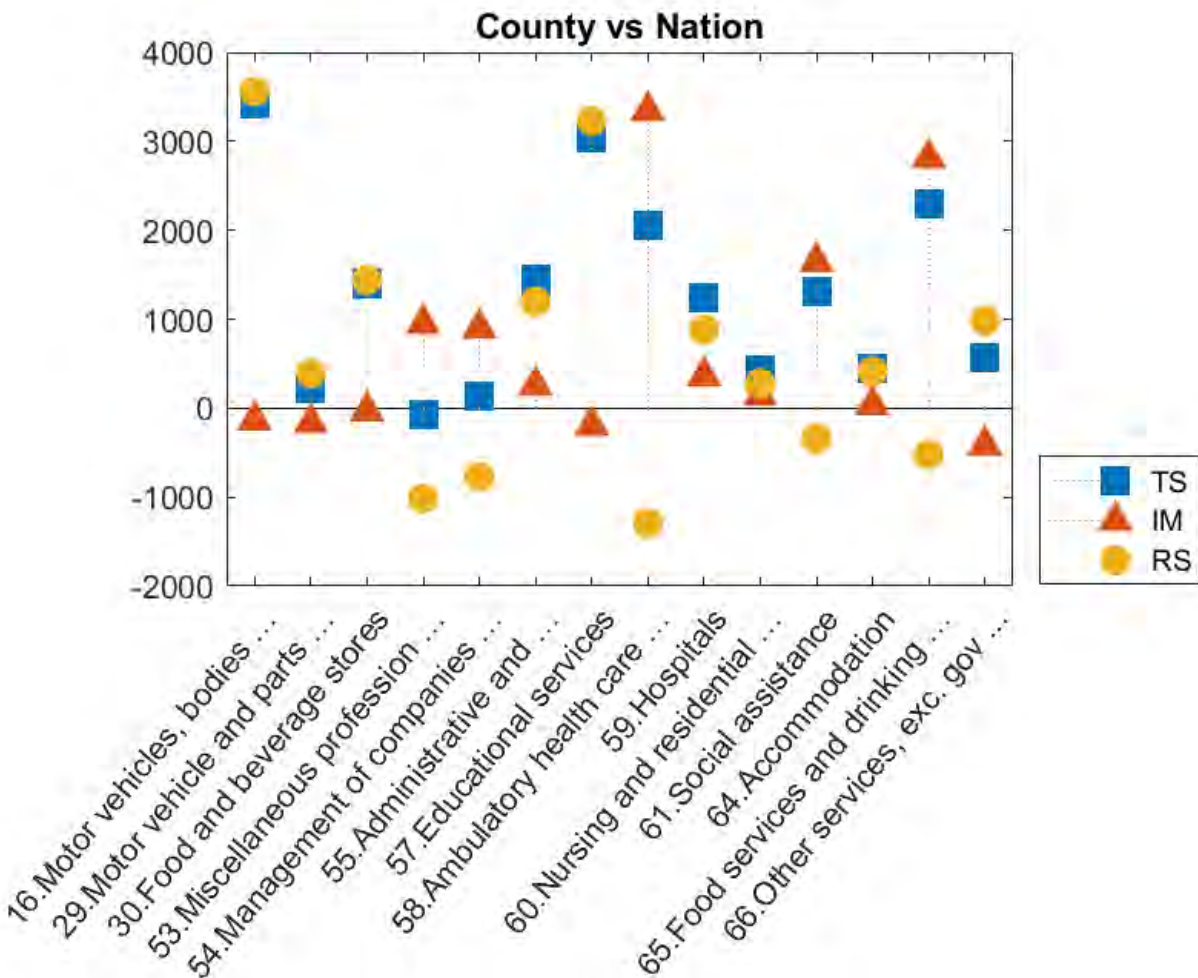
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Hamilton County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Hamilton County, Tennessee vs the U.S.

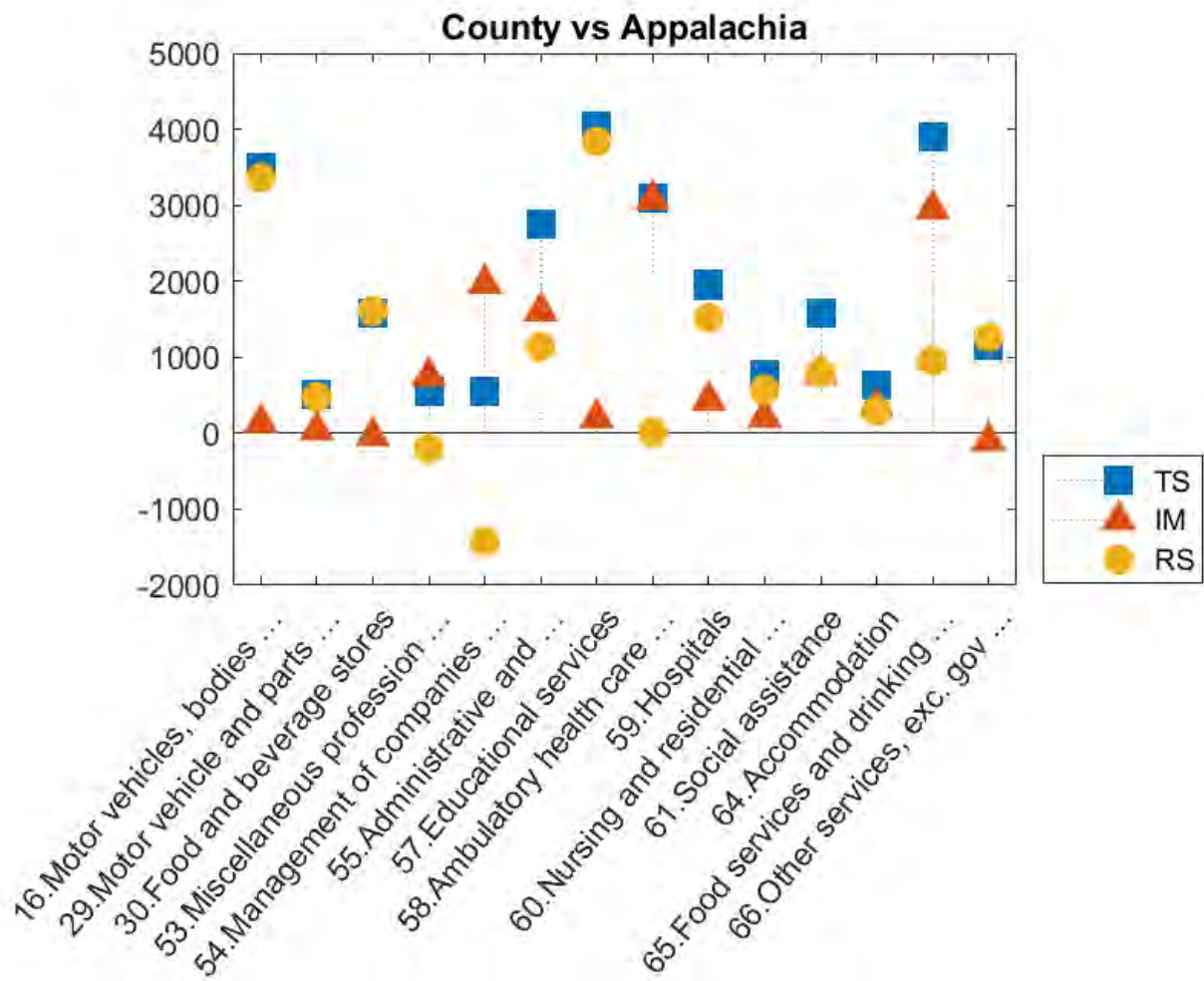


Chapter 20. Hamilton County, Tennessee

Hamilton County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	76	3,426	-136	3,562	4,176
29	Motor vehicle and parts ...	299	228	-163	391	3,181
30	Food and beverage stores	172	1,411	-31	1,442	3,108
53	Miscellaneous profession ...	633	-66	949	-1,015	6,179
54	Management of companies ...	433	127	899	-772	4,396
55	Administrative and ...	1,330	1,453	255	1,198	14,575
57	Educational services	1,032	3,038	-193	3,231	13,218
58	Ambulatory health care ...	1,075	2,050	3,343	-1,293	12,655
59	Hospitals	734	1,244	362	882	8,489
60	Nursing and residential ...	367	423	144	279	4,048
61	Social assistance	283	1,307	1,647	-340	4,104
64	Accommodation	186	454	38	416	2,284
65	Food services and drinking ...	1,665	2,292	2,814	-522	18,719
66	Other services, exc. gov ...	607	570	-417	987	6,564

Selected SSA Components for Hamilton County, Tennessee vs the Appalachian Region

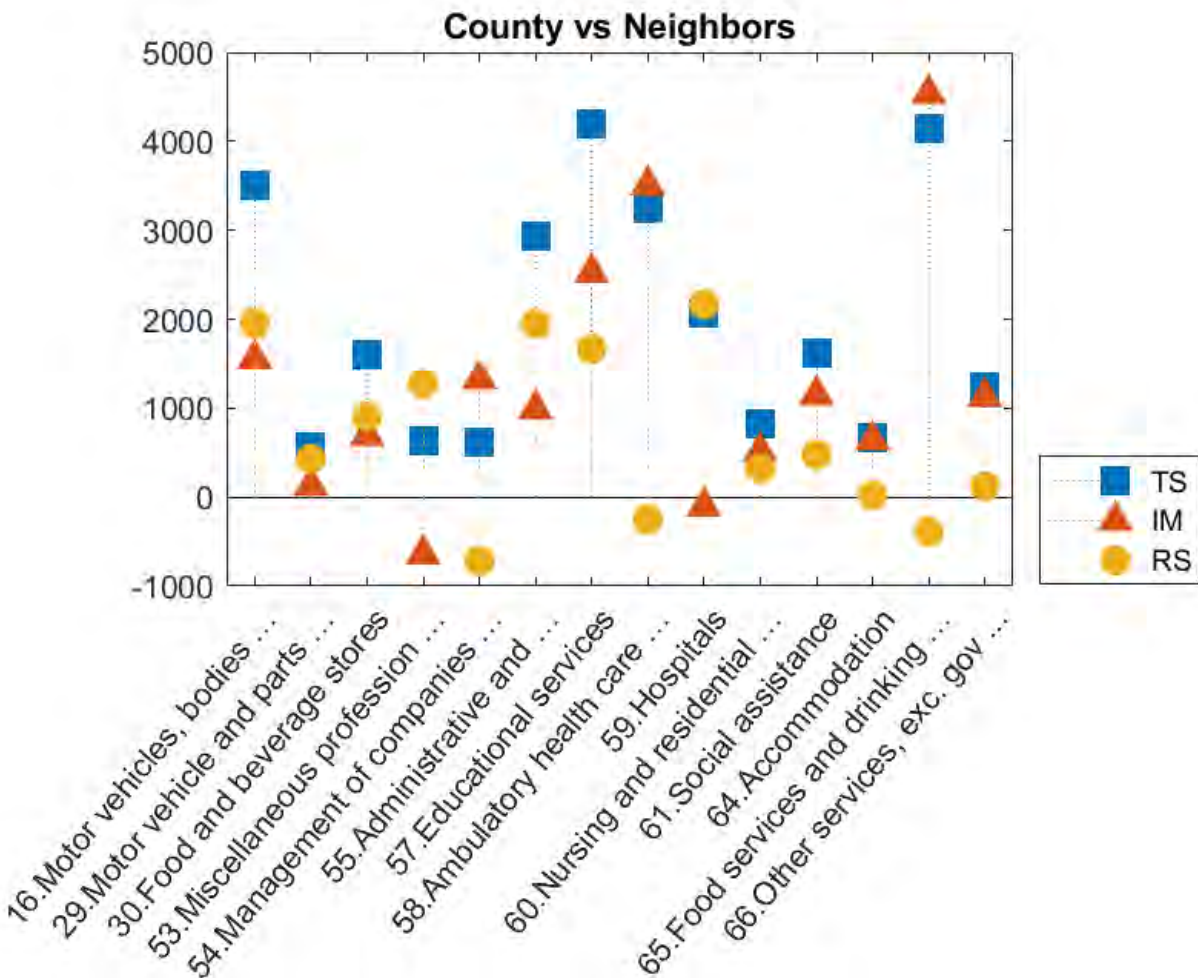


Chapter 20. Hamilton County, Tennessee

Selected SSA Components for Hamilton County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	2	3,499	137	3,362	4,176
29	Motor vehicle and parts ...	9	518	42	476	3,181
30	Food and beverage stores	5	1,578	-32	1,610	3,108
53	Miscellaneous profession ...	19	548	750	-202	6,179
54	Management of companies ...	13	547	1,968	-1,421	4,396
55	Administrative and ...	40	2,743	1,605	1,138	14,575
57	Educational services	31	4,039	200	3,839	13,218
58	Ambulatory health care ...	32	3,093	3,077	16	12,655
59	Hospitals	22	1,956	436	1,520	8,489
60	Nursing and residential ...	11	779	208	571	4,048
61	Social assistance	9	1,582	786	796	4,104
64	Accommodation	6	633	334	299	2,284
65	Food services and drinking ...	50	3,906	2,951	955	18,719
66	Other services, exc. gov ...	18	1,160	-102	1,262	6,564

Selected SSA Components for Hamilton County, Tennessee vs Neighbors



Chapter 20. Hamilton County, Tennessee

Selected SSA Components for Hamilton County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	-9	3,511	1,557	1,954	4,176
29	Motor vehicle and parts ...	-34	561	132	429	3,181
30	Food and beverage stores	-20	1,602	695	907	3,108
53	Miscellaneous profession ...	-73	639	-641	1,280	6,179
54	Management of companies ...	-50	610	1,327	-717	4,396
55	Administrative and ...	-153	2,936	989	1,947	14,575
57	Educational services	-118	4,189	2,523	1,666	13,218
58	Ambulatory health care ...	-123	3,249	3,504	-255	12,655
59	Hospitals	-84	2,062	-104	2,166	8,489
60	Nursing and residential ...	-42	832	513	319	4,048
61	Social assistance	-33	1,623	1,147	476	4,104
64	Accommodation	-21	660	644	16	2,284
65	Food services and drinking ...	-191	4,148	4,536	-388	18,719
66	Other services, exc. gov ...	-70	1,247	1,125	122	6,564

Chapter 21. Hancock County, Tennessee

Employment in Hancock County, Tennessee, declined from 961 in 2005 to 849 in 2018, for a change of -112, or -11.65%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Hancock County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	110	-217	-63	-154
vs. Appalachia	2	-114	-4	-110
vs. Neighbors	-35	-75	30	-105

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Hancock County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 21. Hancock County, Tennessee

Industry Group Membership for Hancock County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
27	Plastics and rubber prod...	D I a i	no	yes	yes	yes
28	Wholesale trade	F I a iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F I a iii	no	yes	yes	yes
36	Truck transportation	F I a i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
62	Performing arts, spectator ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F I a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Hancock County, Tennessee vs. the United States

Groups a, b, and c are from Hancock County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Hancock County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Hancock County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Hancock County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Hancock County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Hancock County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

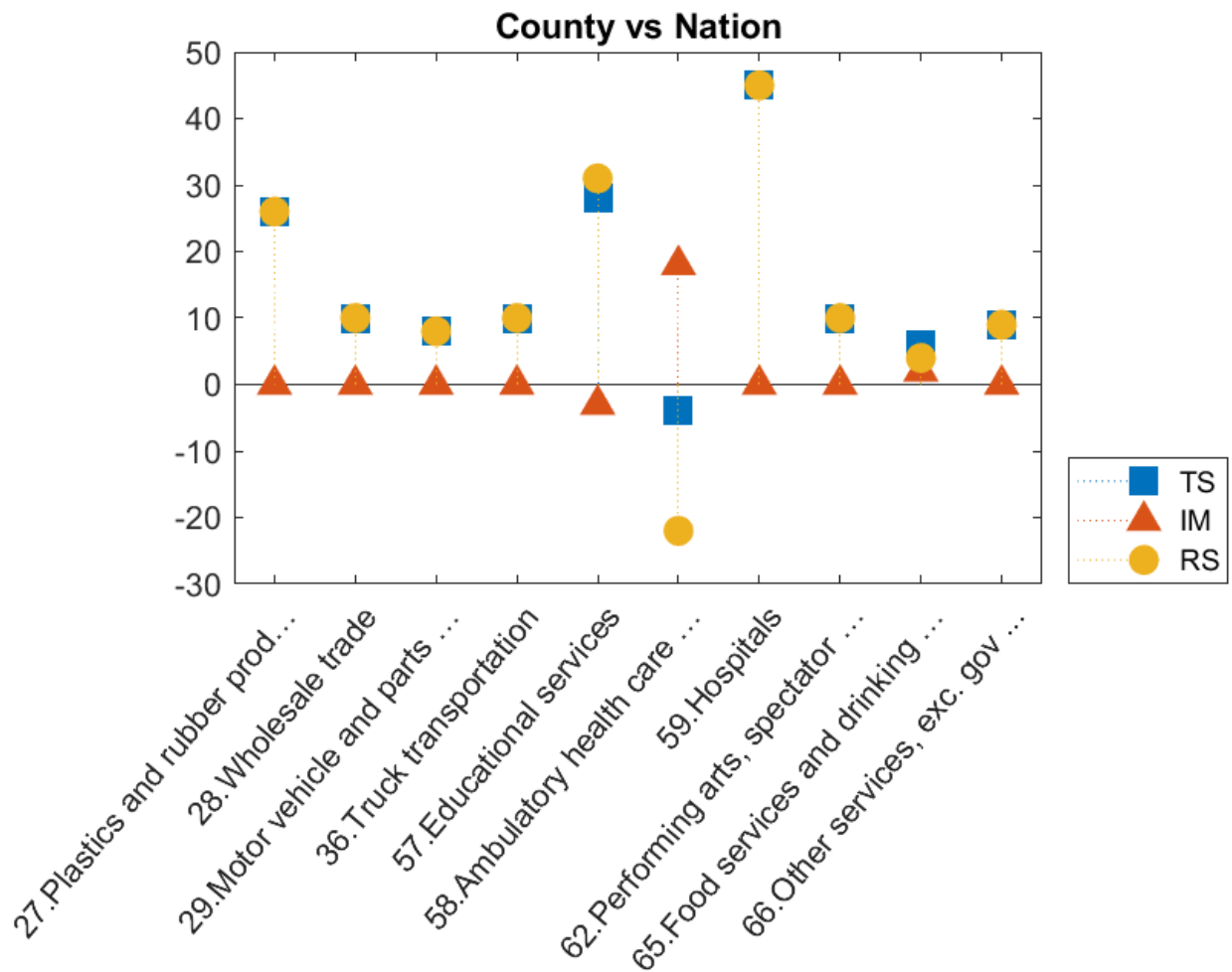
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Hancock County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Hancock County, Tennessee vs the U.S.

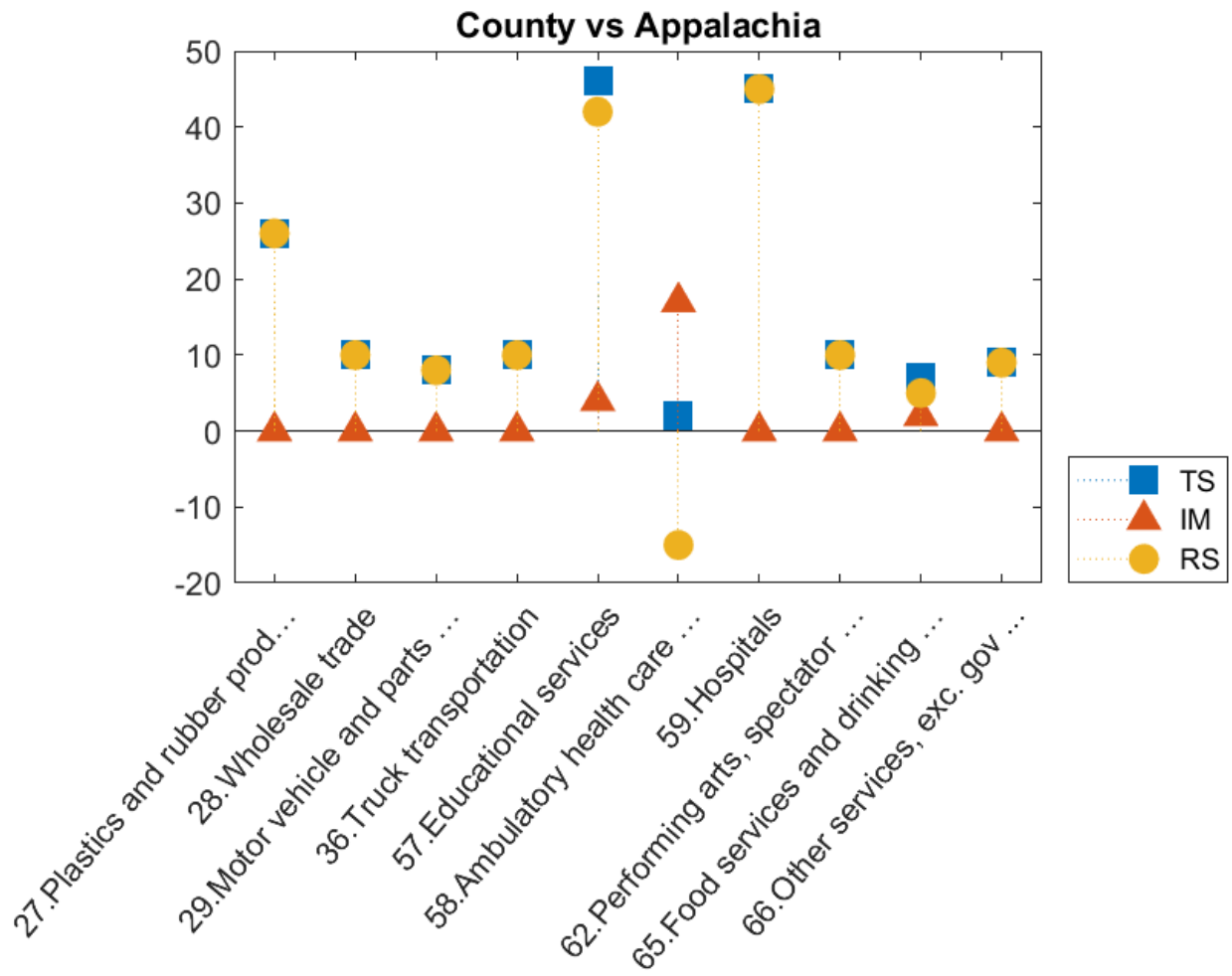


Chapter 21. Hancock County, Tennessee

Hancock County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
27	Plastics and rubber prod...	0	26	0	26	26
28	Wholesale trade	0	10	-0	10	11
29	Motor vehicle and parts ...	1	8	-0	8	14
36	Truck transportation	0	10	0	10	10
57	Educational services	19	28	-3	31	211
58	Ambulatory health care	6	-4	18	-22	54
59	Hospitals	0	45	0	45	45
62	Performing arts, spectator ...	0	10	0	10	10
65	Food services and drinking ...	1	6	2	4	16
66	Other services, exc. gov ...	1	9	-0	9	14

Selected SSA Components for Hancock County, Tennessee vs the Appalachian Region

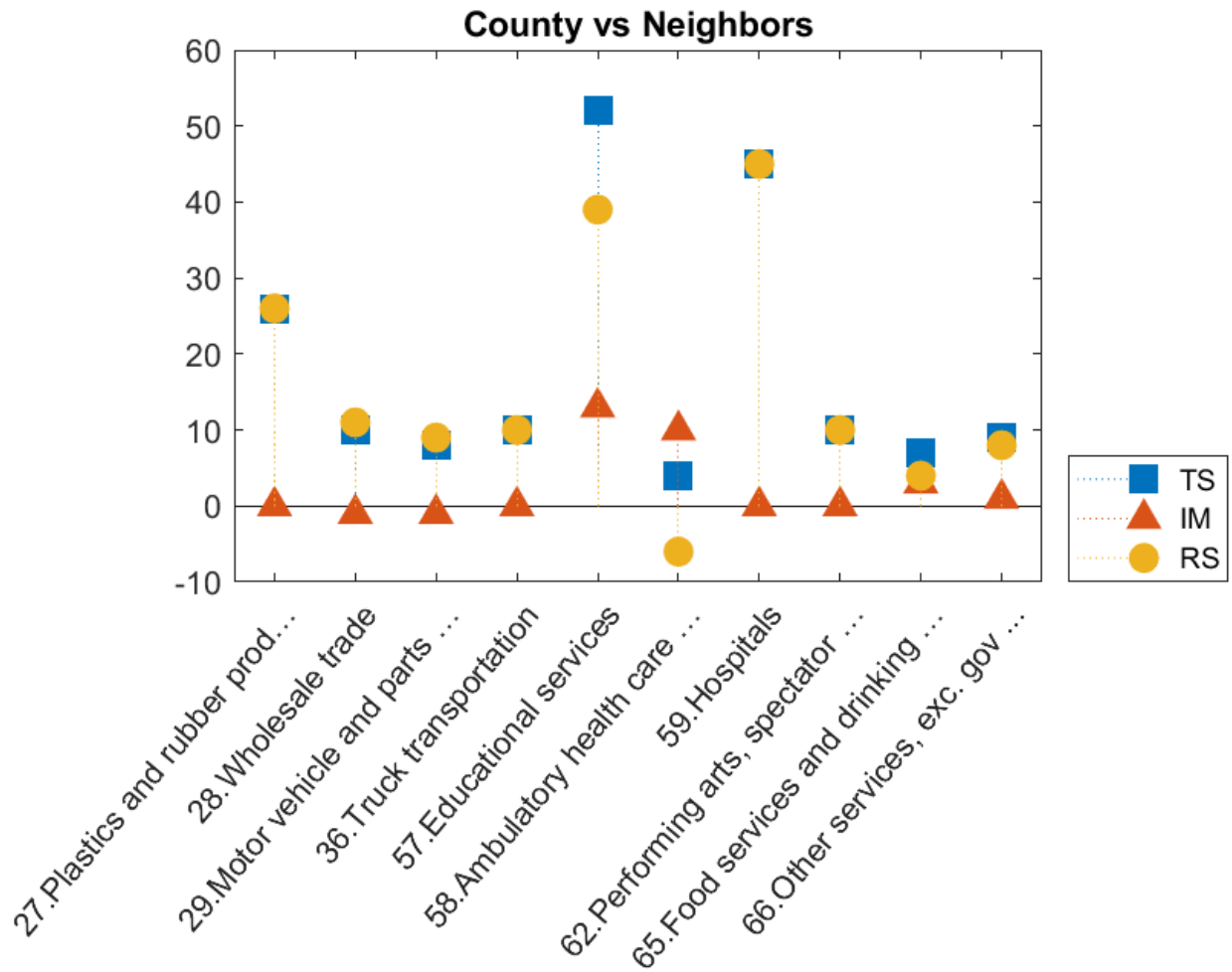


Chapter 21. Hancock County, Tennessee

Selected SSA Components for Hancock County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
27	Plastics and rubber prod...	0	26	0	26	26
28	Wholesale trade	0	10	-0	10	11
29	Motor vehicle and parts ...	0	8	0	8	14
36	Truck transportation	0	10	0	10	10
57	Educational services	1	46	4	42	211
58	Ambulatory health care ...	0	2	17	-15	54
59	Hospitals	0	45	0	45	45
62	Performing arts, spectator ...	0	10	0	10	10
65	Food services and drinking ...	0	7	2	5	16
66	Other services, exc. gov ...	0	9	-0	9	14

Selected SSA Components for Hancock County, Tennessee vs Neighbors



Chapter 21. Hancock County, Tennessee

Selected SSA Components for Hancock County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
27	Plastics and rubber prod...	-0	26	0	26	26
28	Wholesale trade	-0	10	-1	11	11
29	Motor vehicle and parts ...	-0	8	-1	9	14
36	Truck transportation	-0	10	0	10	10
57	Educational services	-6	52	13	39	211
58	Ambulatory health care ...	-2	4	10	-6	54
59	Hospitals	-0	45	0	45	45
62	Performing arts, spectator ...	-0	10	0	10	10
65	Food services and drinking ...	-0	7	3	4	16
66	Other services, exc. gov ...	-0	9	1	8	14

Chapter 22. Hawkins County, Tennessee

Employment in Hawkins County, Tennessee, grew from 12,807 in 2005 to 12,865 in 2018, for a change of 58, or 0.45%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Hawkins County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,445	-1,387	-879	-508
vs. Appalachia	40	19	58	-39
vs. Neighbors	-385	443	-95	538

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Hawkins County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 22. Hawkins County, Tennessee

Industry Group Membership for Hawkins County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
11	Primary metals	F III c iii	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
21	Textile mills and ...	D III c iii	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D III a iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
55	Administrative and ...	A V b ii	yes	no	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Hawkins County, Tennessee vs. the United States

Groups a, b, and c are from Hawkins County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Hawkins County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Hawkins County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Hawkins County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Hawkins County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Hawkins County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

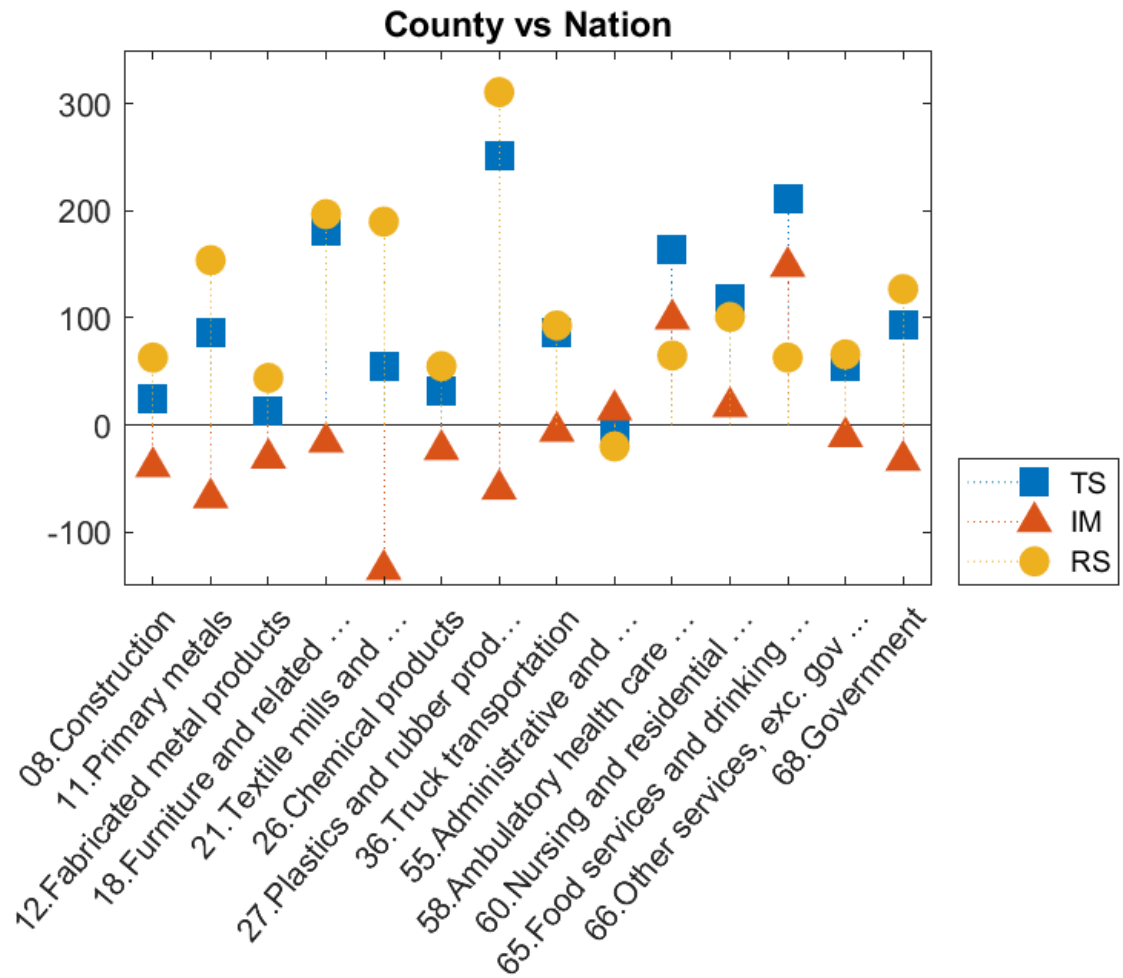
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Hawkins County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Hawkins County, Tennessee vs the U.S.

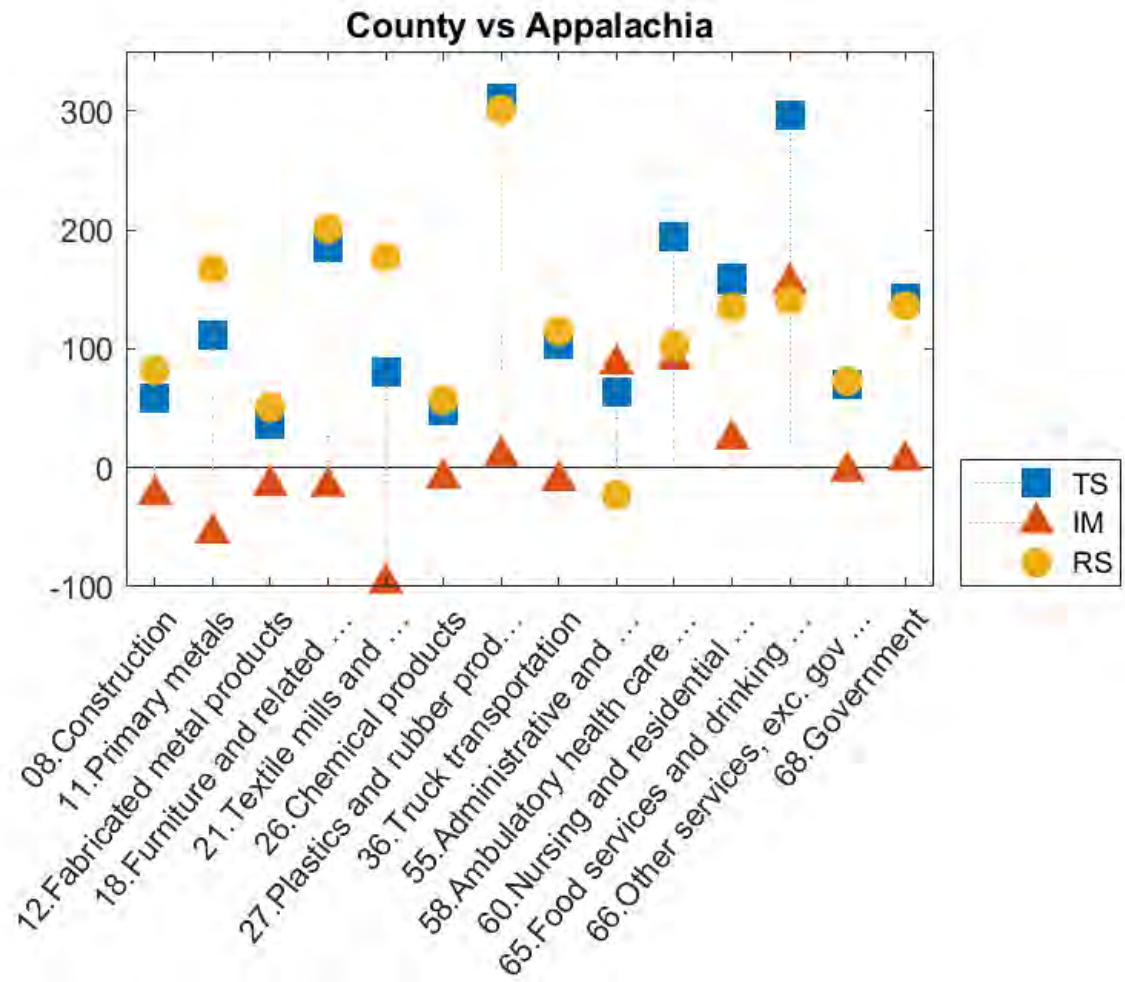


Chapter 22. Hawkins County, Tennessee

Hawkins County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	36	24	-39	63	383
11	Primary metals	26	86	-68	154	341
12	Fabricated metal products	24	13	-31	44	246
18	Furniture and related ...	4	181	-16	197	225
21	Textile mills and ...	26	55	-135	190	312
26	Chemical products	16	32	-23	55	191
27	Plastics and rubber prod...	61	251	-60	311	855
36	Truck transportation	18	87	-6	93	267
55	Administrative and ...	72	-6	14	-20	703
58	Ambulatory health care ...	32	164	99	65	476
60	Nursing and residential ...	43	118	17	101	538
65	Food services and drinking ...	88	211	148	63	1,074
66	Other services, exc. gov ...	17	55	-11	66	219
68	Government	49	94	-33	127	581

Selected SSA Components for Hawkins County, Tennessee vs the Appalachian Region

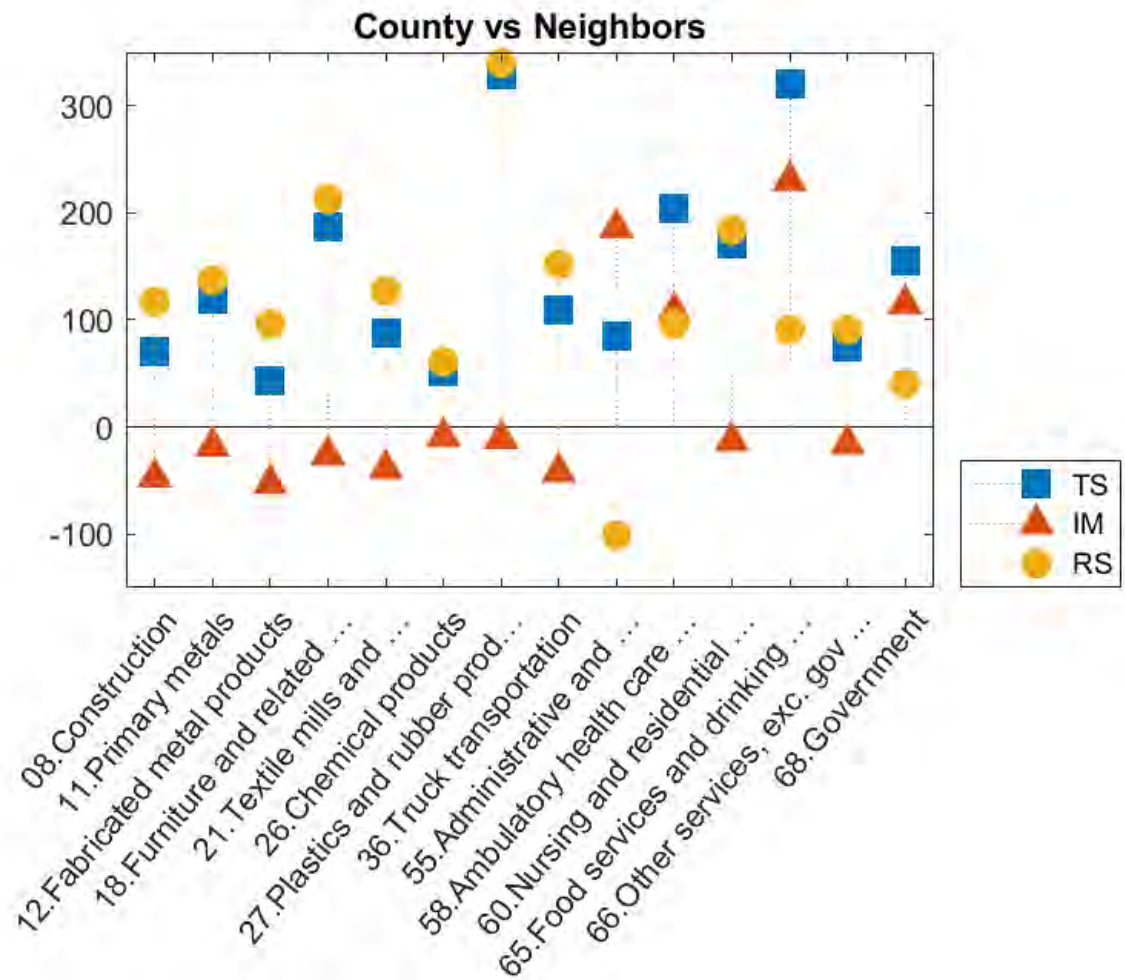


Chapter 22. Hawkins County, Tennessee

Selected SSA Components for Hawkins County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	1	59	-23	82	383
11	Primary metals	1	112	-55	167	341
12	Fabricated metal products	1	36	-15	51	246
18	Furniture and related ...	0	185	-16	201	225
21	Textile mills and ...	1	80	-97	177	312
26	Chemical products	0	48	-9	57	191
27	Plastics and rubber prod...	2	311	10	301	855
36	Truck transportation	1	104	-11	115	267
55	Administrative and ...	2	64	87	-23	703
58	Ambulatory health care ...	1	194	91	103	476
60	Nursing and residential ...	1	159	24	135	538
65	Food services and drinking ...	3	296	155	141	1,074
66	Other services, exc. gov ...	1	70	-3	73	219
68	Government	1	142	6	136	581

Selected SSA Components for Hawkins County, Tennessee vs Neighbors



Chapter 22. Hawkins County, Tennessee

Selected SSA Components for Hawkins County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-10	70	-47	117	383
11	Primary metals	-7	119	-18	137	341
12	Fabricated metal products	-6	43	-53	96	246
18	Furniture and related ...	-1	187	-26	213	225
21	Textile mills and ...	-7	88	-39	127	312
26	Chemical products	-4	52	-9	61	191
27	Plastics and rubber prod...	-16	329	-11	340	855
36	Truck transportation	-5	110	-42	152	267
55	Administrative and ...	-19	85	186	-101	703
58	Ambulatory health care ...	-9	204	108	96	476
60	Nursing and residential ...	-11	171	-13	184	538
65	Food services and drinking ...	-24	321	230	91	1,074
66	Other services, exc. gov ...	-4	75	-16	91	219
68	Government	-13	156	115	41	581

Chapter 23. Jackson County, Tennessee

Employment in Jackson County, Tennessee, declined from 1,924 in 2005 to 1,404 in 2018, for a change of -520, or -27.03%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Jackson County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	214	-738	-105	-633
vs. Appalachia	3	-525	72	-597
vs. Neighbors	135	-654	-23	-631

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Jackson County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 23. Jackson County, Tennessee

Industry Group Membership for Jackson County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
15	Electrical equipment, ...	D I a i	no	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
31	General merchandise ...	F III a iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
54	Management of companies ...	A V b v	yes	no	yes	no
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a i	no	yes	yes	yes
68	Government	F III a ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Jackson County, Tennessee vs. the United States

Groups a, b, and c are from Jackson County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Jackson County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Jackson County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Jackson County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Jackson County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Jackson County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

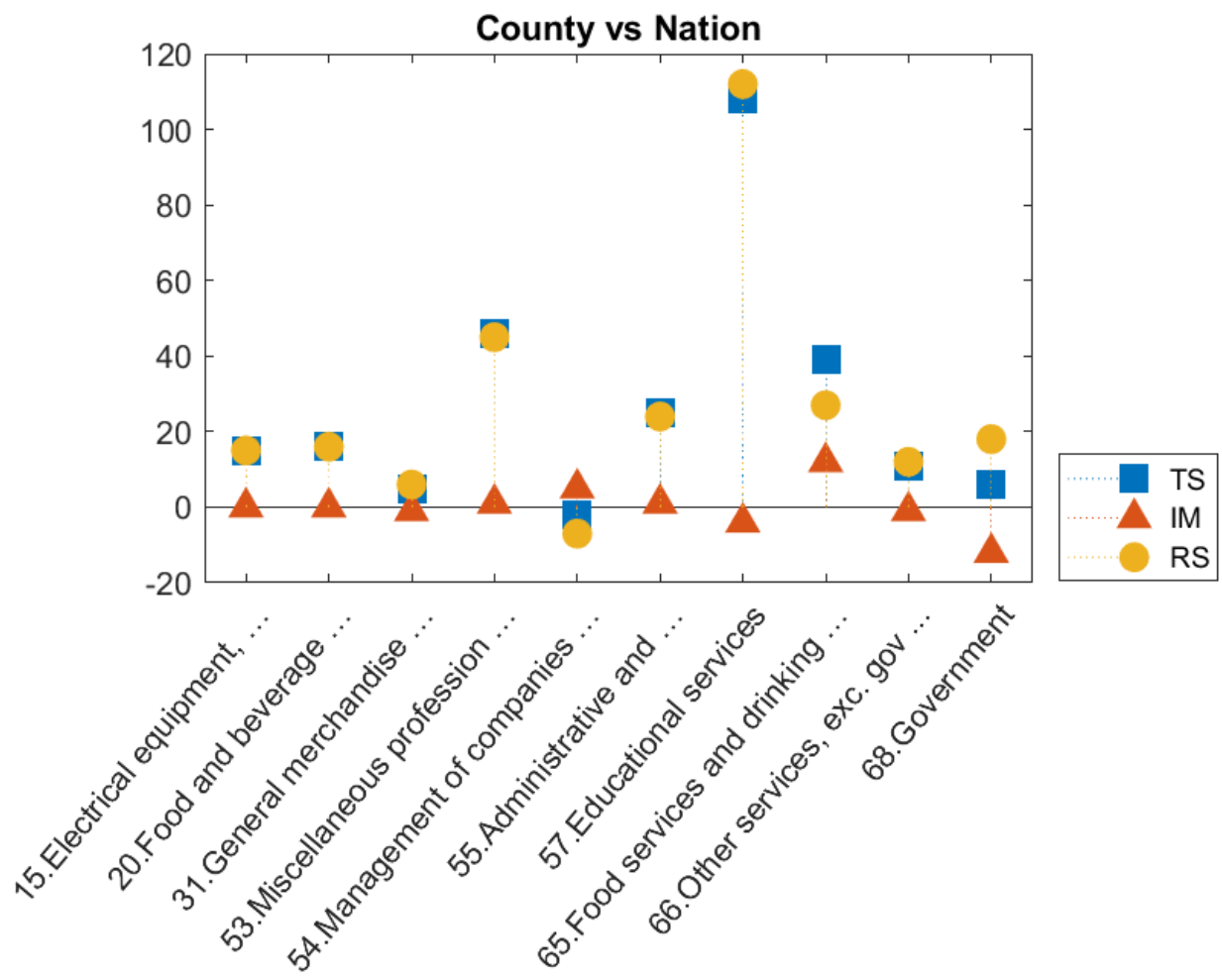
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Jackson County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Jackson County, Tennessee vs the U.S.

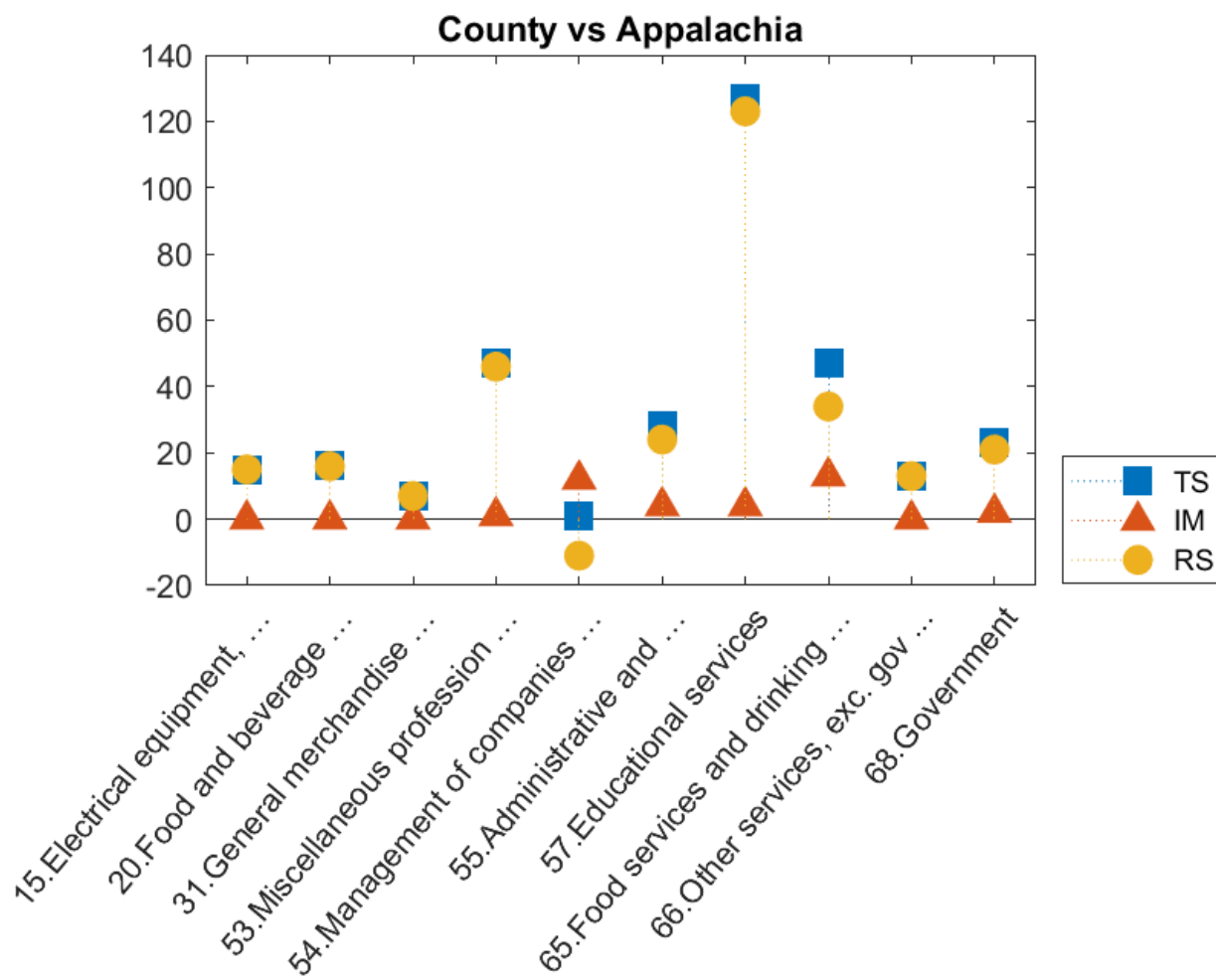


Chapter 23. Jackson County, Tennessee

Jackson County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	0	15	0	15	15
20	Food and beverage ...	0	16	0	16	16
31	General merchandise ...	1	5	-1	6	18
53	Miscellaneous profession ...	0	46	1	45	51
54	Management of companies ...	3	-2	5	-7	23
55	Administrative and ...	3	25	1	24	54
57	Educational services	19	108	-4	112	299
65	Food services and drinking ...	7	39	12	27	112
66	Other services, exc. gov ...	2	11	-1	12	29
68	Government	18	6	-12	18	185

Selected SSA Components for Jackson County, Tennessee vs the Appalachian Region

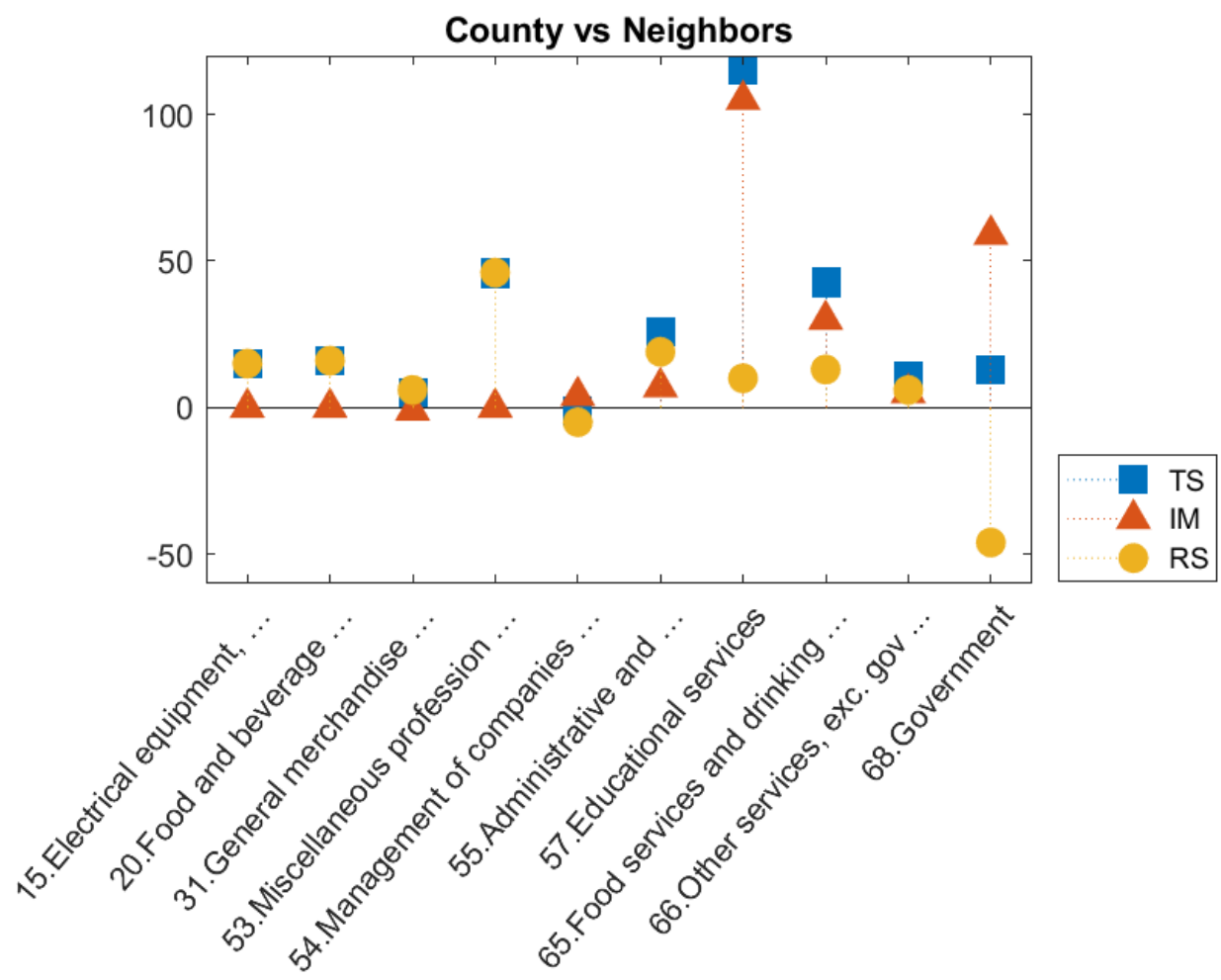


Chapter 23. Jackson County, Tennessee

Selected SSA Components for Jackson County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	0	15	0	15	15
20	Food and beverage ...	0	16	0	16	16
31	General merchandise ...	0	7	-0	7	18
53	Miscellaneous profession ...	0	47	1	46	51
54	Management of companies ...	0	1	12	-11	23
55	Administrative and ...	0	28	4	24	54
57	Educational services	1	127	4	123	299
65	Food services and drinking ...	0	47	13	34	112
66	Other services, exc. gov ...	0	13	-0	13	29
68	Government	1	23	2	21	185

Selected SSA Components for Jackson County, Tennessee vs Neighbors



Chapter 23. Jackson County, Tennessee

Selected SSA Components for Jackson County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	0	15	0	15	15
20	Food and beverage ...	0	16	0	16	16
31	General merchandise ...	1	5	-1	6	18
53	Miscellaneous profession ...	0	46	0	46	51
54	Management of companies ...	2	-1	4	-5	23
55	Administrative and ...	2	26	7	19	54
57	Educational services	12	115	105	10	299
65	Food services and drinking ...	5	43	30	13	112
66	Other services, exc. gov ...	1	11	5	6	29
68	Government	11	13	59	-46	185

Chapter 24. Jefferson County, Tennessee

Employment in Jefferson County, Tennessee, grew from 11,267 in 2005 to 13,114 in 2018, for a change of 1,847, or 16.39%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Jefferson County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,270	578	-904	1,482
vs. Appalachia	39	1,807	-644	2,451
vs. Neighbors	794	1,051	-627	1,678

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Jefferson County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 24. Jefferson County, Tennessee

Industry Group Membership for Jefferson County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
05	Mining, except coal, oil ...	F III c i	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C I a i	yes	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B II a iii	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Jefferson County, Tennessee vs. the United States

Groups a, b, and c are from Jefferson County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Jefferson County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Jefferson County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Jefferson County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Jefferson County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Jefferson County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

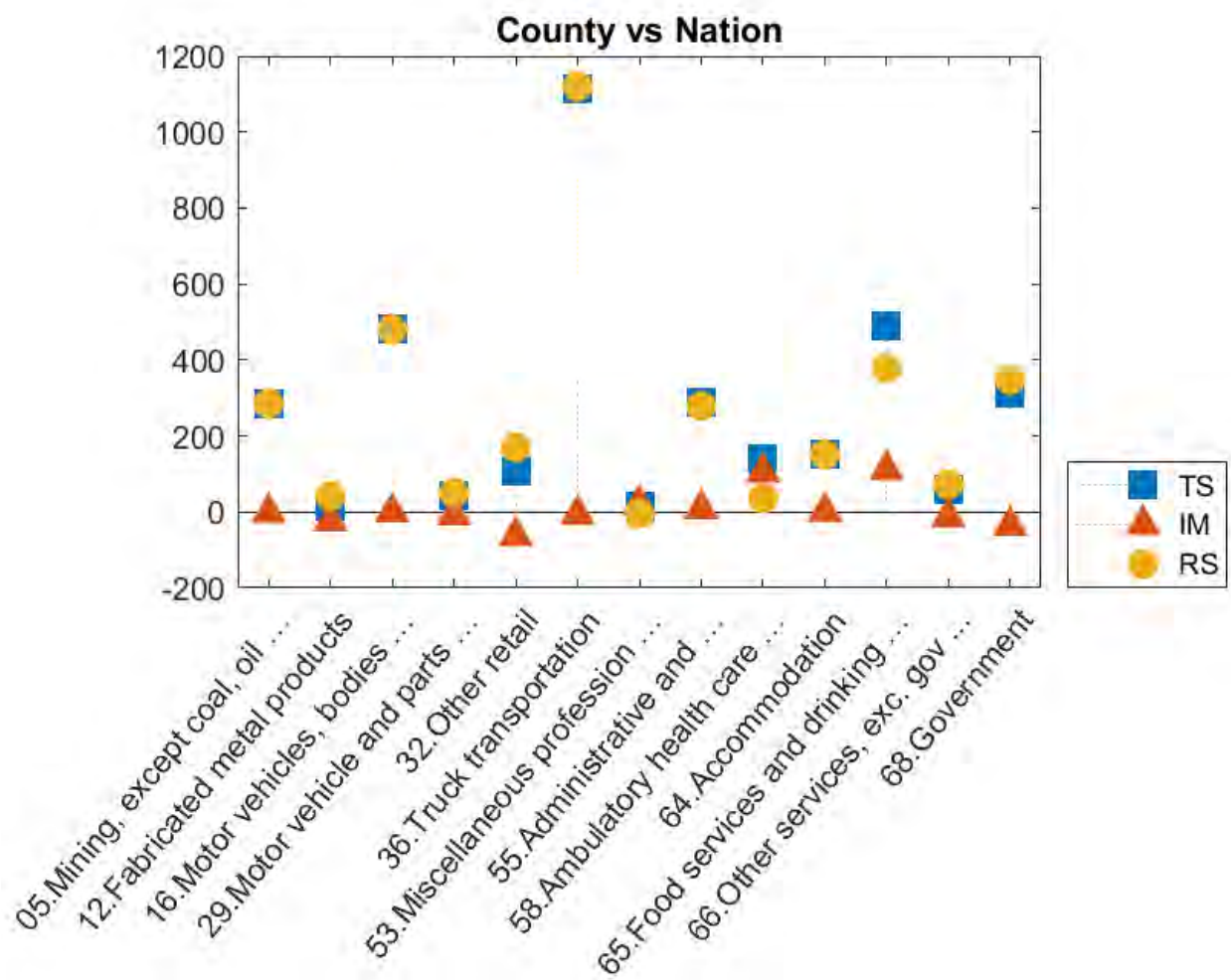
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Jefferson County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Jefferson County, Tennessee vs the U.S.

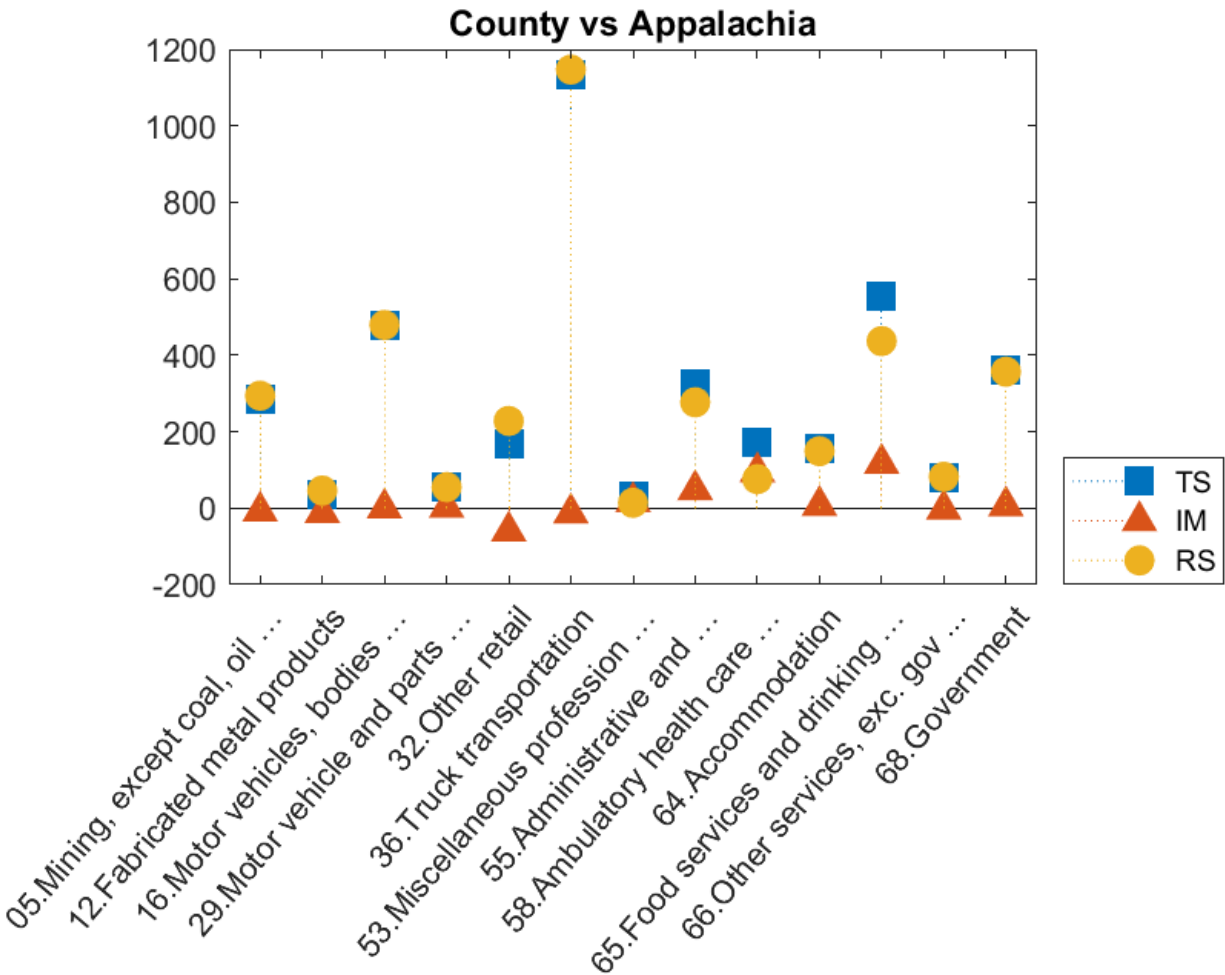


Chapter 24. Jefferson County, Tennessee

Jefferson County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	2	284	-2	286	306
12	Fabricated metal products	18	17	-24	41	199
16	Motor vehicles, bodies ...	0	480	-0	480	481
29	Motor vehicle and parts ...	15	43	-8	51	191
32	Other retail	62	108	-62	170	722
36	Truck transportation	22	1,113	-7	1,120	1,330
53	Miscellaneous profession ...	14	17	21	-4	155
55	Administrative and ...	40	287	8	279	678
58	Ambulatory health care ...	33	140	104	36	468
64	Accommodation	4	152	1	151	191
65	Food services and drinking ...	66	490	111	379	1,140
66	Other services, exc. gov ...	19	60	-13	73	248
68	Government	53	312	-36	348	834

Selected SSA Components for Jefferson County, Tennessee vs the Appalachian Region

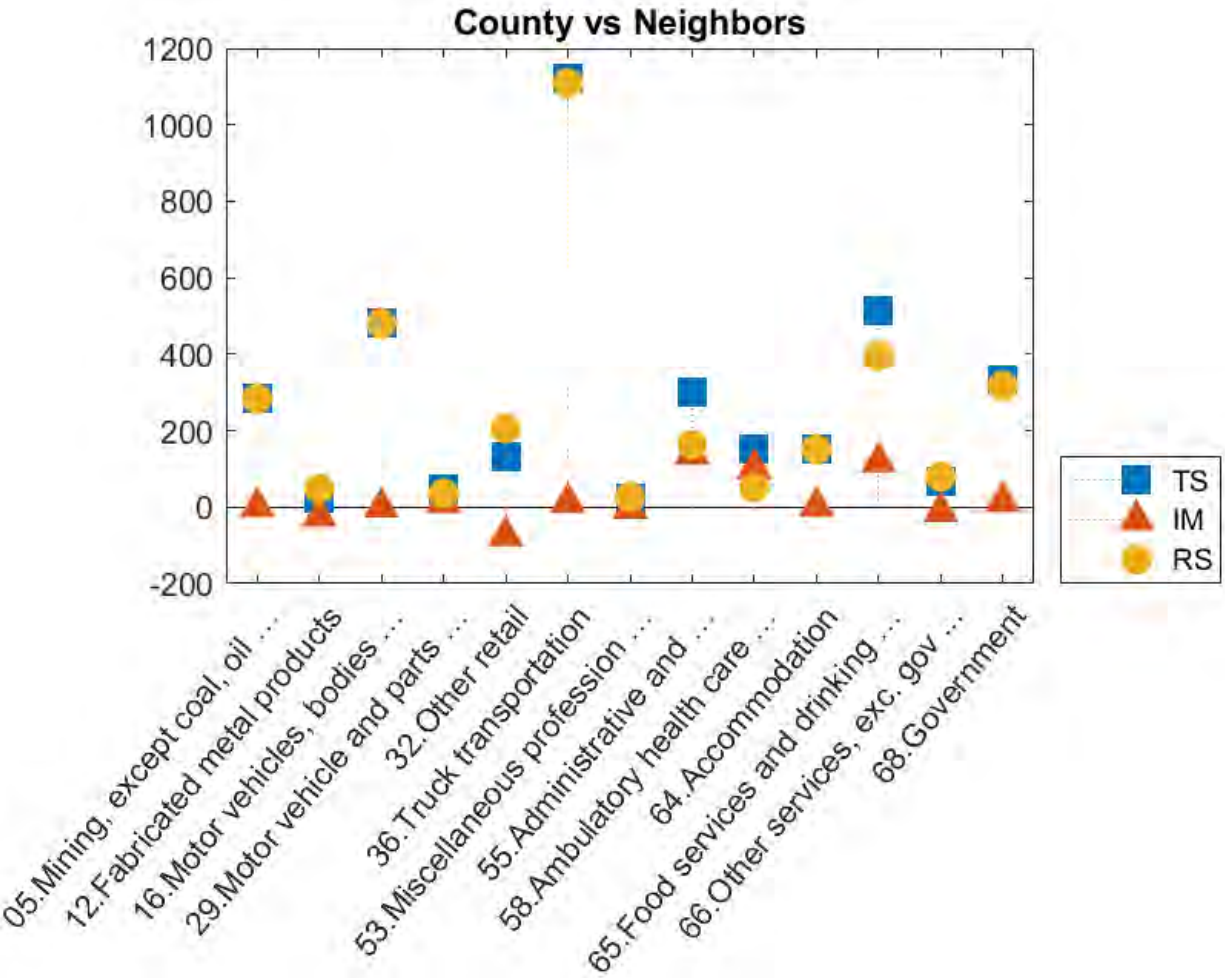


Chapter 24. Jefferson County, Tennessee

Selected SSA Components for Jefferson County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	0	286	-8	294	306
12	Fabricated metal products	1	34	-12	46	199
16	Motor vehicles, bodies ...	0	479	0	479	481
29	Motor vehicle and parts ...	0	57	2	55	191
32	Other retail	2	168	-60	228	722
36	Truck transportation	1	1,134	-13	1,147	1,330
53	Miscellaneous profession ...	0	31	17	14	155
55	Administrative and ...	1	325	48	277	678
58	Ambulatory health care ...	1	171	95	76	468
64	Accommodation	0	156	7	149	191
65	Food services and drinking ...	2	554	117	437	1,140
66	Other services, exc. gov ...	1	79	-3	82	248
68	Government	2	363	6	357	834

Selected SSA Components for Jefferson County, Tennessee vs Neighbors



Chapter 24. Jefferson County, Tennessee

Selected SSA Components for Jefferson County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	1	285	1	284	306
12	Fabricated metal products	12	23	-25	48	199
16	Motor vehicles, bodies ...	0	480	0	480	481
29	Motor vehicle and parts ...	9	48	12	36	191
32	Other retail	39	131	-75	206	722
36	Truck transportation	14	1,121	12	1,109	1,330
53	Miscellaneous profession ...	9	22	-4	26	155
55	Administrative and ...	25	301	138	163	678
58	Ambulatory health care ...	21	152	101	51	468
64	Accommodation	2	153	2	151	191
65	Food services and drinking ...	41	514	118	396	1,140
66	Other services, exc. gov ...	12	68	-12	80	248
68	Government	33	332	15	317	834

Chapter 25. Johnson County, Tennessee

Employment in Johnson County, Tennessee, declined from 4,953 in 2005 to 4,239 in 2018, for a change of -714, or -14.42%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Johnson County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	560	-1,271	-336	-935
vs. Appalachia	13	-733	-344	-389
vs. Neighbors	-208	-507	-214	-293

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Johnson County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 25. Johnson County, Tennessee

Industry Group Membership for Johnson County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c iii	no	yes	yes	yes
19	Miscellaneous manufac ...	F III c i	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Johnson County, Tennessee vs. the United States

Groups a, b, and c are from Johnson County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Johnson County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Johnson County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Johnson County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Johnson County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Johnson County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

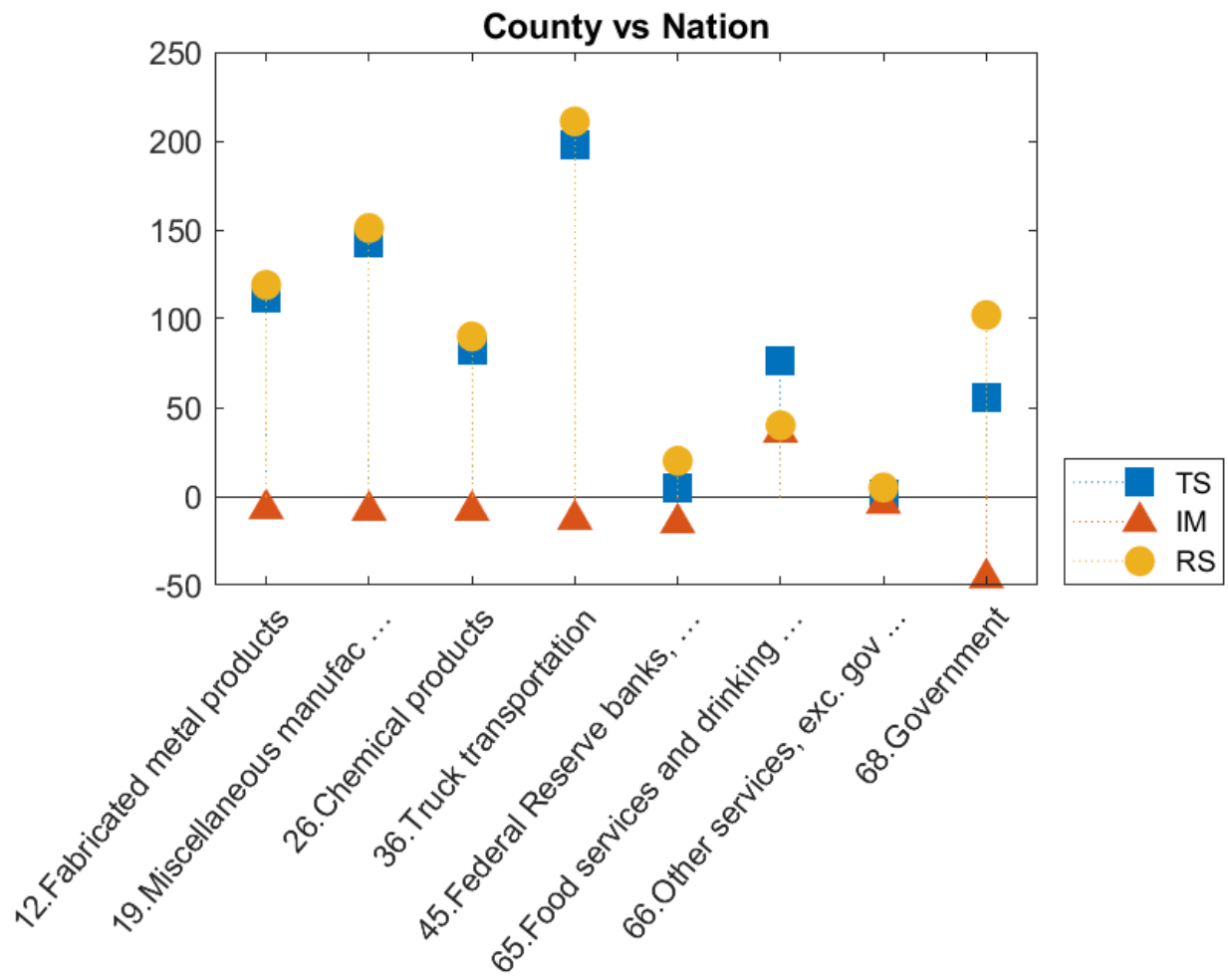
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Johnson County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Johnson County, Tennessee vs the U.S.

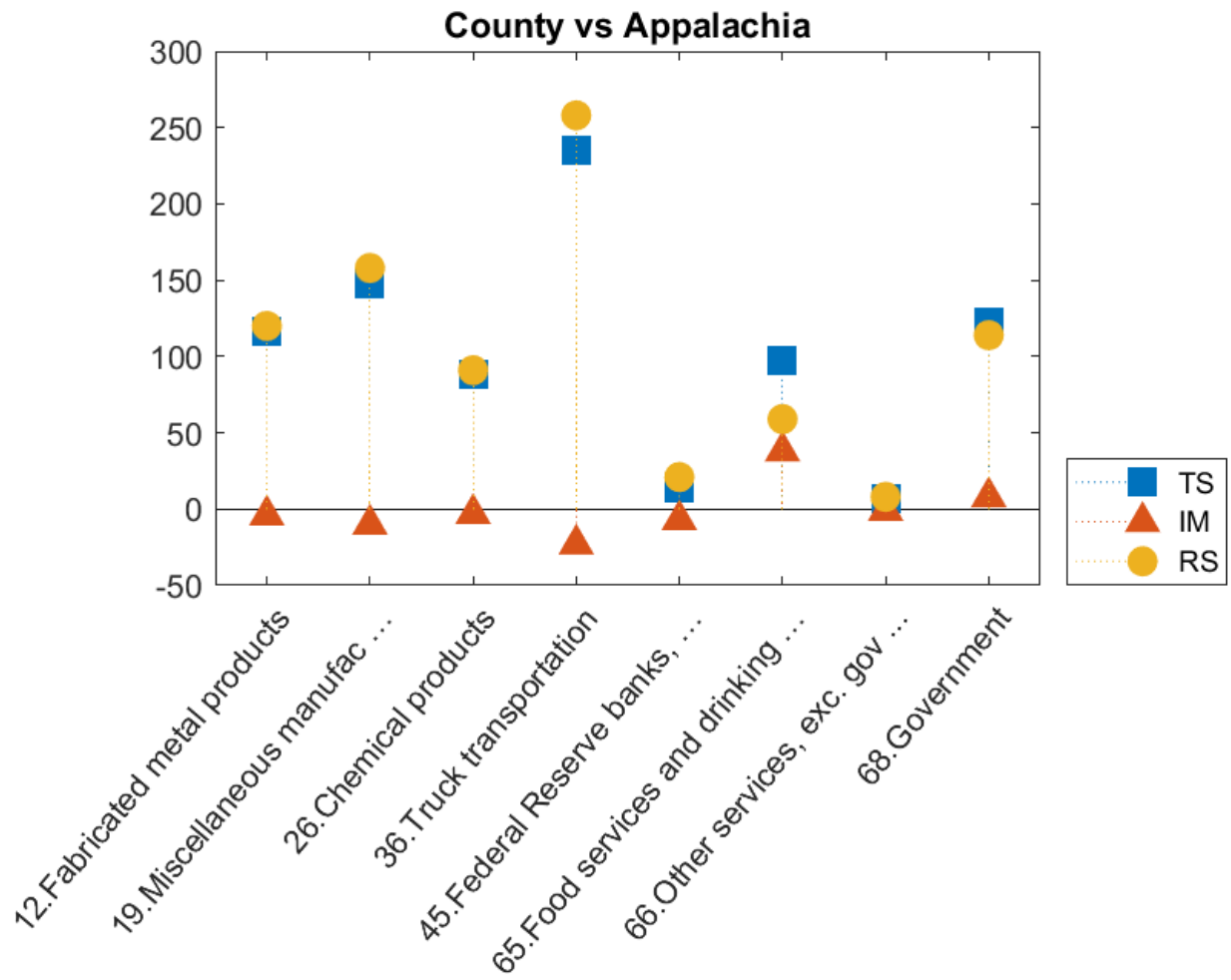


Chapter 25. Johnson County, Tennessee

Johnson County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	6	112	-7	119	167
19	Miscellaneous manufac ...	5	143	-8	151	196
26	Chemical products	6	82	-8	90	139
36	Truck transportation	39	198	-13	211	585
45	Federal Reserve banks, ...	9	5	-15	20	91
65	Food services and drinking ...	21	76	36	40	286
66	Other services, exc. gov ...	5	1	-4	5	54
68	Government	68	56	-46	102	726

Selected SSA Components for Johnson County, Tennessee vs the Appalachian Region

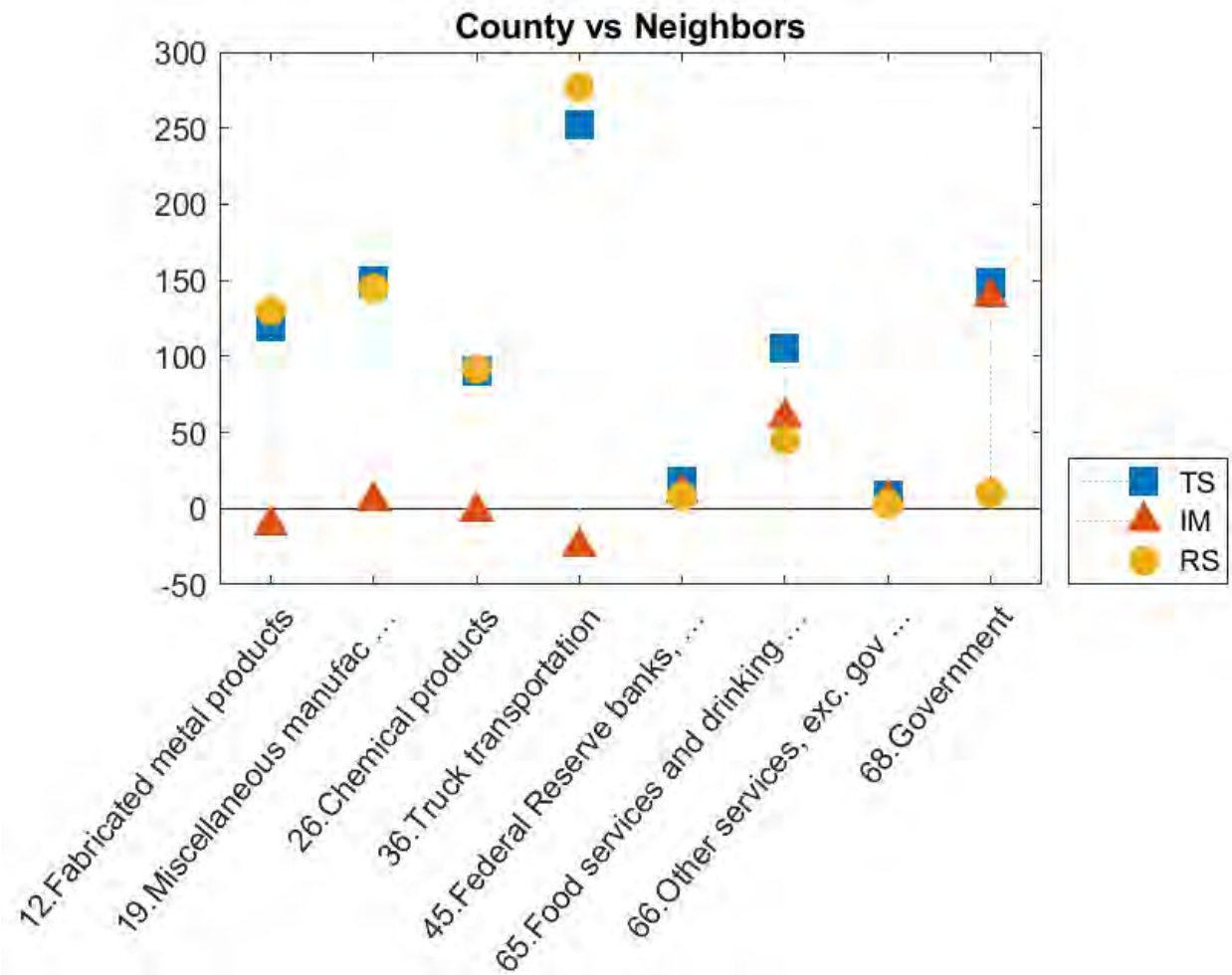


Chapter 25. Johnson County, Tennessee

Selected SSA Components for Johnson County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	116	-4	120	167
19	Miscellaneous manufac ...	0	148	-10	158	196
26	Chemical products	0	88	-3	91	139
36	Truck transportation	1	235	-23	258	585
45	Federal Reserve banks, ...	0	14	-7	21	91
65	Food services and drinking ...	1	97	38	59	286
66	Other services, exc. gov ...	0	7	-1	8	54
68	Government	2	122	8	114	726

Selected SSA Components for Johnson County, Tennessee vs Neighbors



Chapter 25. Johnson County, Tennessee

Selected SSA Components for Johnson County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	-2	119	-11	130	167
19	Miscellaneous manufac ...	-2	150	5	145	196
26	Chemical products	-2	90	-2	92	139
36	Truck transportation	-15	252	-25	277	585
45	Federal Reserve banks, ...	-3	18	10	8	91
65	Food services and drinking ...	-8	105	60	45	286
66	Other services, exc. gov ...	-2	9	6	3	54
68	Government	-25	149	139	10	726

Chapter 26. Knox County, Tennessee

Employment in Knox County, Tennessee, grew from 221,989 in 2005 to 239,197 in 2018, for a change of 17,208, or 7.75%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Knox County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	25,032	-7,818	2,122	-9,940
vs. Appalachia	756	16,452	4,418	12,034
vs. Neighbors	21,239	-4,034	226	-4,260

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Knox County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 26. Knox County, Tennessee

Industry Group Membership for Knox County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
20	Food and beverage ...	E I c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c ii	no	yes	yes	yes
53	Miscellaneous profession ...	B V b v	yes	no	yes	no
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Knox County, Tennessee vs. the United States

Groups a, b, and c are from Knox County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Knox County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Knox County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Knox County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Knox County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Knox County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

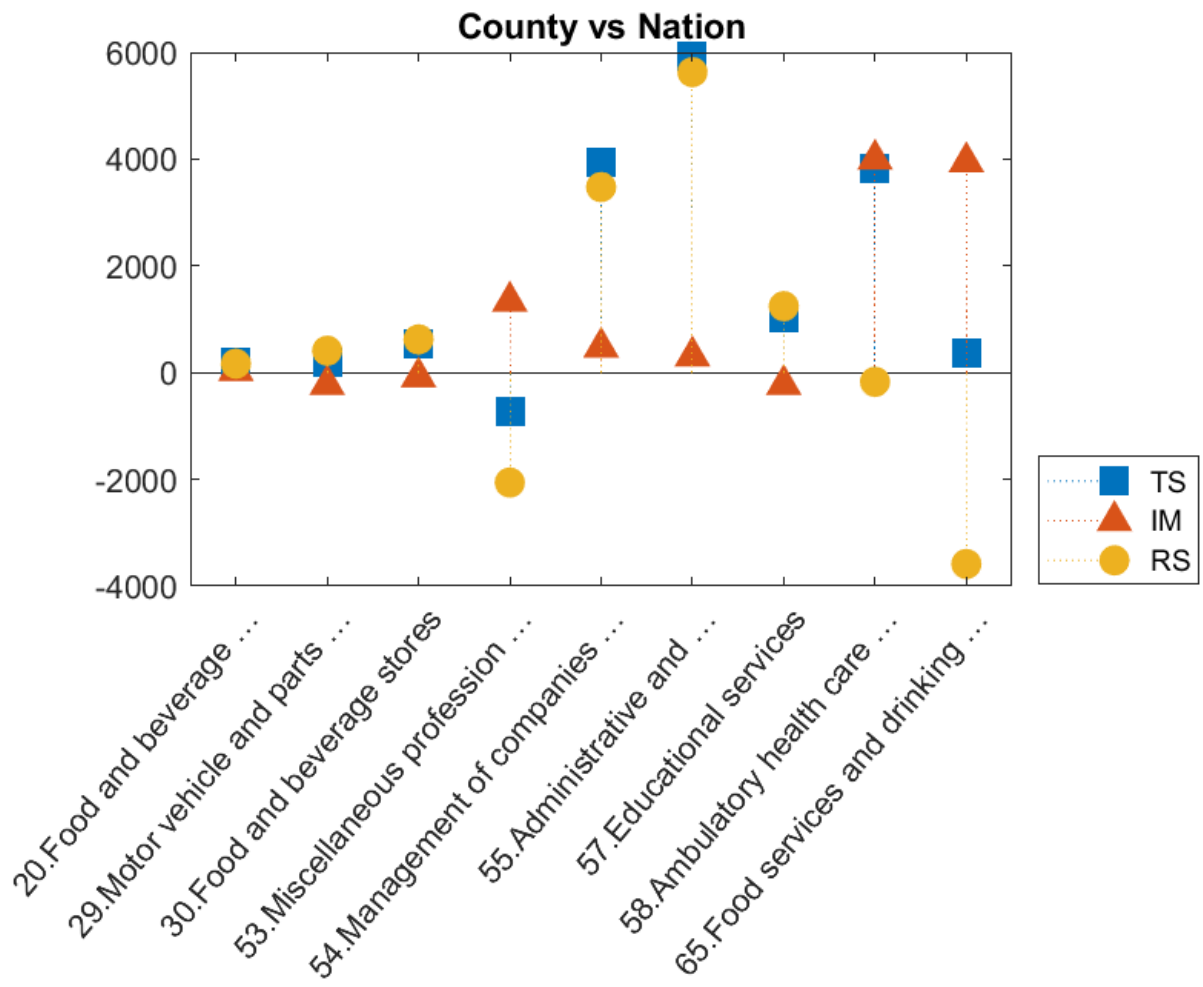
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Knox County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Knox County, Tennessee vs the U.S.

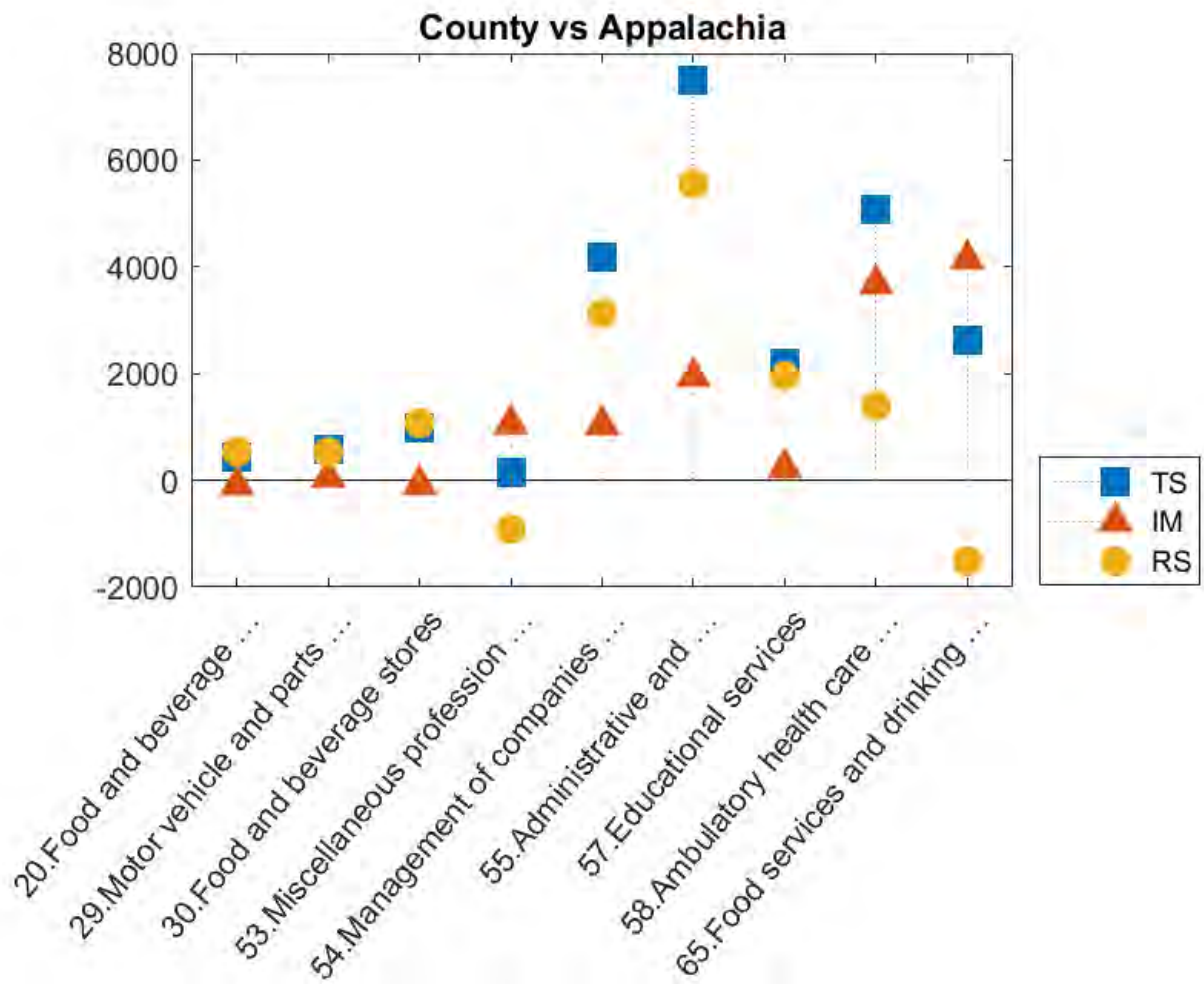


Chapter 26. Knox County, Tennessee

Knox County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	253	201	35	166	2,700
29	Motor vehicle and parts ...	413	185	-225	410	4,259
30	Food and beverage stores	458	540	-82	622	5,055
53	Miscellaneous profession ...	892	-723	1,337	-2,060	8,082
54	Management of companies ...	229	3,952	476	3,476	6,208
55	Administrative and ...	1,611	5,939	310	5,629	21,839
57	Educational services	1,206	1,018	-225	1,243	12,922
58	Ambulatory health care ...	1,285	3,823	3,996	-173	16,497
65	Food services and drinking ...	2,335	361	3,948	-3,587	23,406

Selected SSA Components for Knox County, Tennessee vs the Appalachian Region

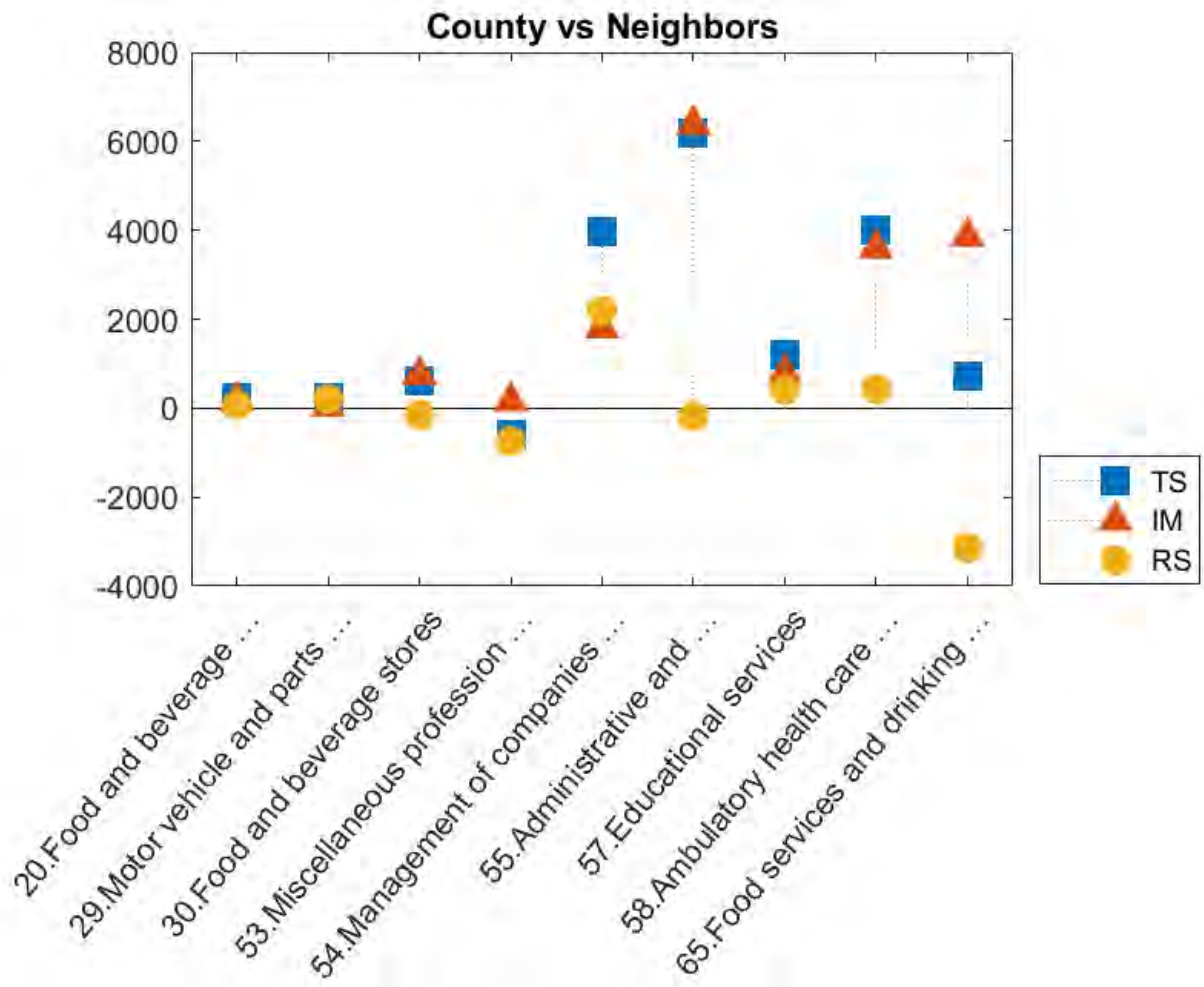


Chapter 26. Knox County, Tennessee

Selected SSA Components for Knox County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	8	447	-89	536	2,700
29	Motor vehicle and parts ...	12	585	57	528	4,259
30	Food and beverage stores	14	984	-86	1,070	5,055
53	Miscellaneous profession ...	27	143	1,057	-914	8,082
54	Management of companies ...	7	4,173	1,040	3,133	6,208
55	Administrative and ...	49	7,501	1,944	5,557	21,839
57	Educational services	36	2,188	234	1,954	12,922
58	Ambulatory health care ...	39	5,068	3,677	1,391	16,497
65	Food services and drinking ...	70	2,626	4,141	-1,515	23,406

Selected SSA Components for Knox County, Tennessee vs Neighbors



Chapter 26. Knox County, Tennessee

Selected SSA Components for Knox County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	215	240	168	72	2,700
29	Motor vehicle and parts ...	350	248	42	206	4,259
30	Food and beverage stores	388	610	755	-145	5,055
53	Miscellaneous profession ...	757	-588	158	-746	8,082
54	Management of companies ...	194	3,986	1,803	2,183	6,208
55	Administrative and ...	1,367	6,182	6,373	-191	21,839
57	Educational services	1,024	1,201	787	414	12,922
58	Ambulatory health care ...	1,090	4,017	3,588	429	16,497
65	Food services and drinking ...	1,982	715	3,855	-3,140	23,406

Chapter 27. Lawrence County, Tennessee

Employment in Lawrence County, Tennessee, declined from 12,139 in 2005 to 10,391 in 2018, for a change of -1,748, or -14.4%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Lawrence County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,365	-3,123	-518	-2,605
vs. Appalachia	37	-1,789	-352	-1,437
vs. Neighbors	227	-1,974	-776	-1,198

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Lawrence County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 27. Lawrence County, Tennessee

Industry Group Membership for Lawrence County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c i	no	yes	yes	yes
08	Construction	F III c iii	no	yes	yes	yes
12	Fabricated metal products	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
39	Other transportation ...	E I c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B II a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Lawrence County, Tennessee vs. the United States

Groups a, b, and c are from Lawrence County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Lawrence County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Lawrence County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Lawrence County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Lawrence County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Lawrence County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

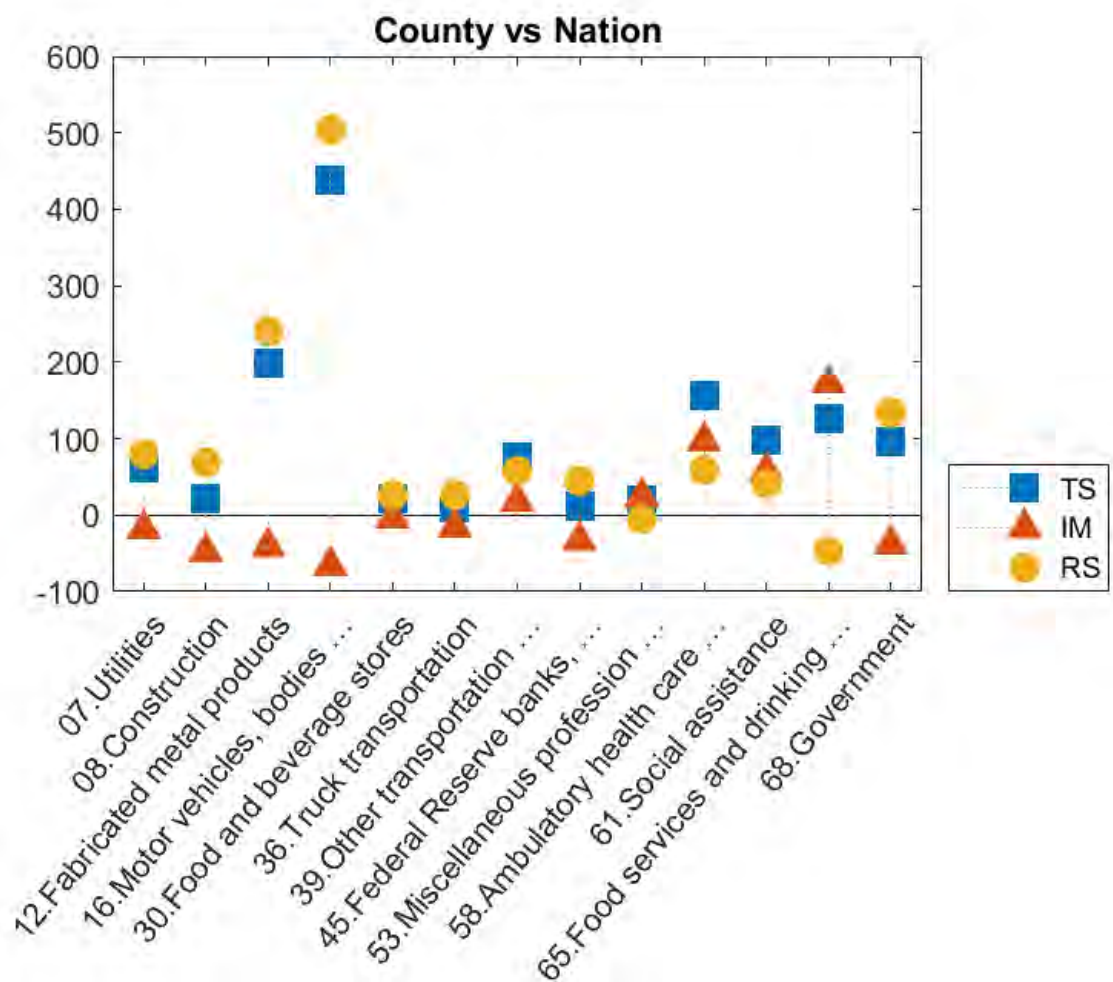
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Lawrence County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Lawrence County, Tennessee vs the U.S.

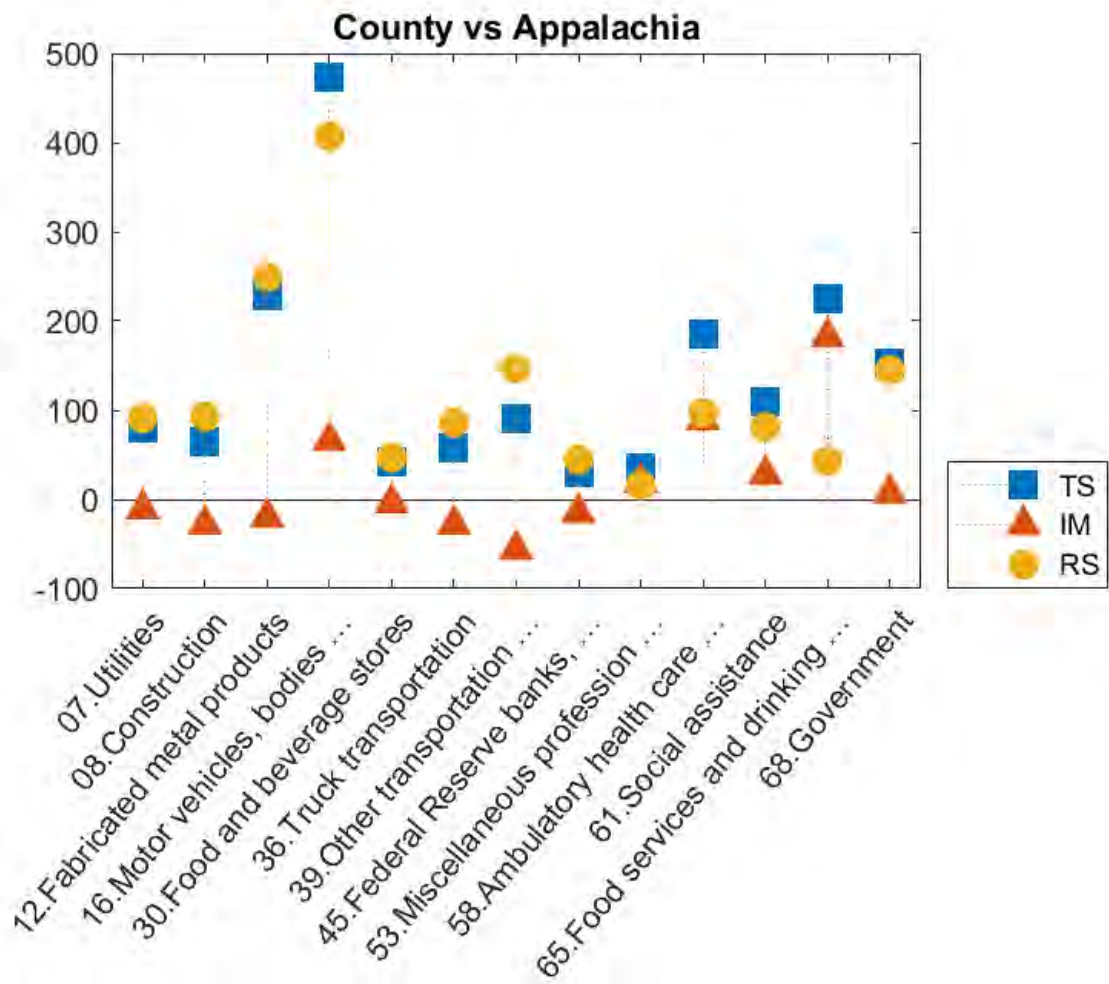


Chapter 27. Lawrence County, Tennessee

Lawrence County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	19	62	-18	80	253
08	Construction	44	21	-48	69	460
12	Fabricated metal products	32	199	-41	240	510
16	Motor vehicles, bodies ...	37	438	-66	504	802
30	Food and beverage stores	22	22	-4	26	237
36	Truck transportation	49	10	-16	26	490
39	Other transportation ...	15	76	18	58	220
45	Federal Reserve banks, ...	19	12	-33	45	202
53	Miscellaneous profession ...	16	19	24	-5	177
58	Ambulatory health care ...	31	156	97	59	464
61	Social assistance	10	99	58	41	198
65	Food services and drinking ...	102	126	173	-47	1,136
68	Government	57	96	-38	134	660

Selected SSA Components for Lawrence County, Tennessee vs the Appalachian Region

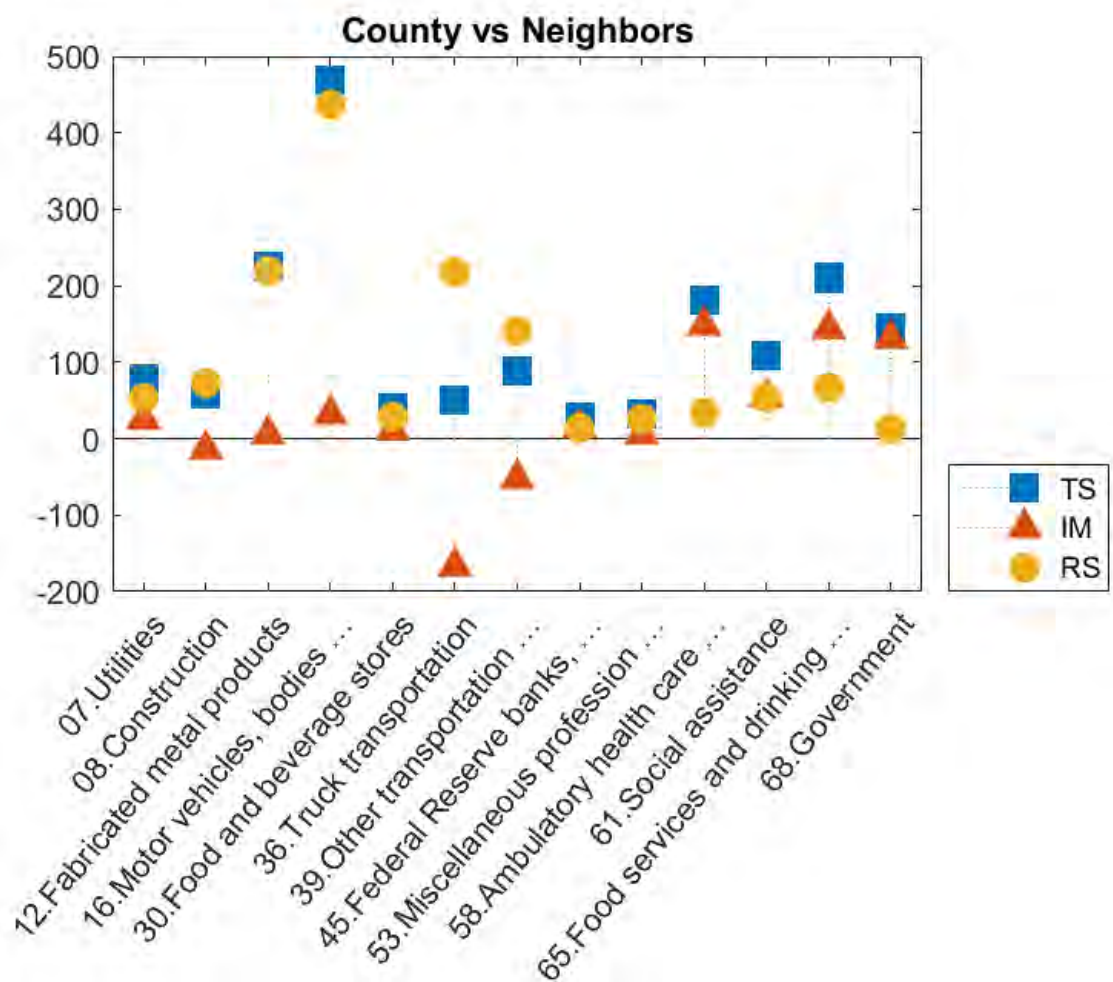


Chapter 27. Lawrence County, Tennessee

Selected SSA Components for Lawrence County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	1	80	-11	91	253
08	Construction	1	65	-28	93	460
12	Fabricated metal products	1	229	-20	249	510
16	Motor vehicles, bodies ...	1	473	66	407	802
30	Food and beverage stores	1	43	-4	47	237
36	Truck transportation	1	58	-28	86	490
39	Other transportation ...	0	91	-56	147	220
45	Federal Reserve banks, ...	1	30	-15	45	202
53	Miscellaneous profession ...	0	35	19	16	177
58	Ambulatory health care ...	1	186	89	97	464
61	Social assistance	0	109	28	81	198
65	Food services and drinking ...	3	225	182	43	1,136
68	Government	2	152	7	145	660

Selected SSA Components for Lawrence County, Tennessee vs Neighbors



Chapter 27. Lawrence County, Tennessee

Selected SSA Components for Lawrence County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	3	78	25	53	253
08	Construction	7	59	-14	73	460
12	Fabricated metal products	5	225	6	219	510
16	Motor vehicles, bodies ...	6	469	32	437	802
30	Food and beverage stores	4	40	11	29	237
36	Truck transportation	8	51	-167	218	490
39	Other transportation ...	2	89	-52	141	220
45	Federal Reserve banks, ...	3	28	14	14	202
53	Miscellaneous profession ...	3	32	6	26	177
58	Ambulatory health care ...	5	182	148	34	464
61	Social assistance	2	108	54	54	198
65	Food services and drinking ...	17	211	144	67	1,136
68	Government	9	144	131	13	660

Chapter 28. Lewis County, Tennessee

Employment in Lewis County, Tennessee, grew from 2,678 in 2005 to 2,723 in 2018, for a change of 45, or 1.68%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Lewis County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	296	-256	-68	-188
vs. Appalachia	6	37	-43	80
vs. Neighbors	8	26	154	-128

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Lewis County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 28. Lewis County, Tennessee

Industry Group Membership for Lewis County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c i	no	yes	yes	yes
26	Chemical products	F III c i	no	yes	yes	yes
27	Plastics and rubber prod...	D III a iii	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a ii	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B II a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B II a ii	yes	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Lewis County, Tennessee vs. the United States

Groups a, b, and c are from Lewis County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Lewis County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Lewis County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Lewis County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Lewis County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Lewis County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

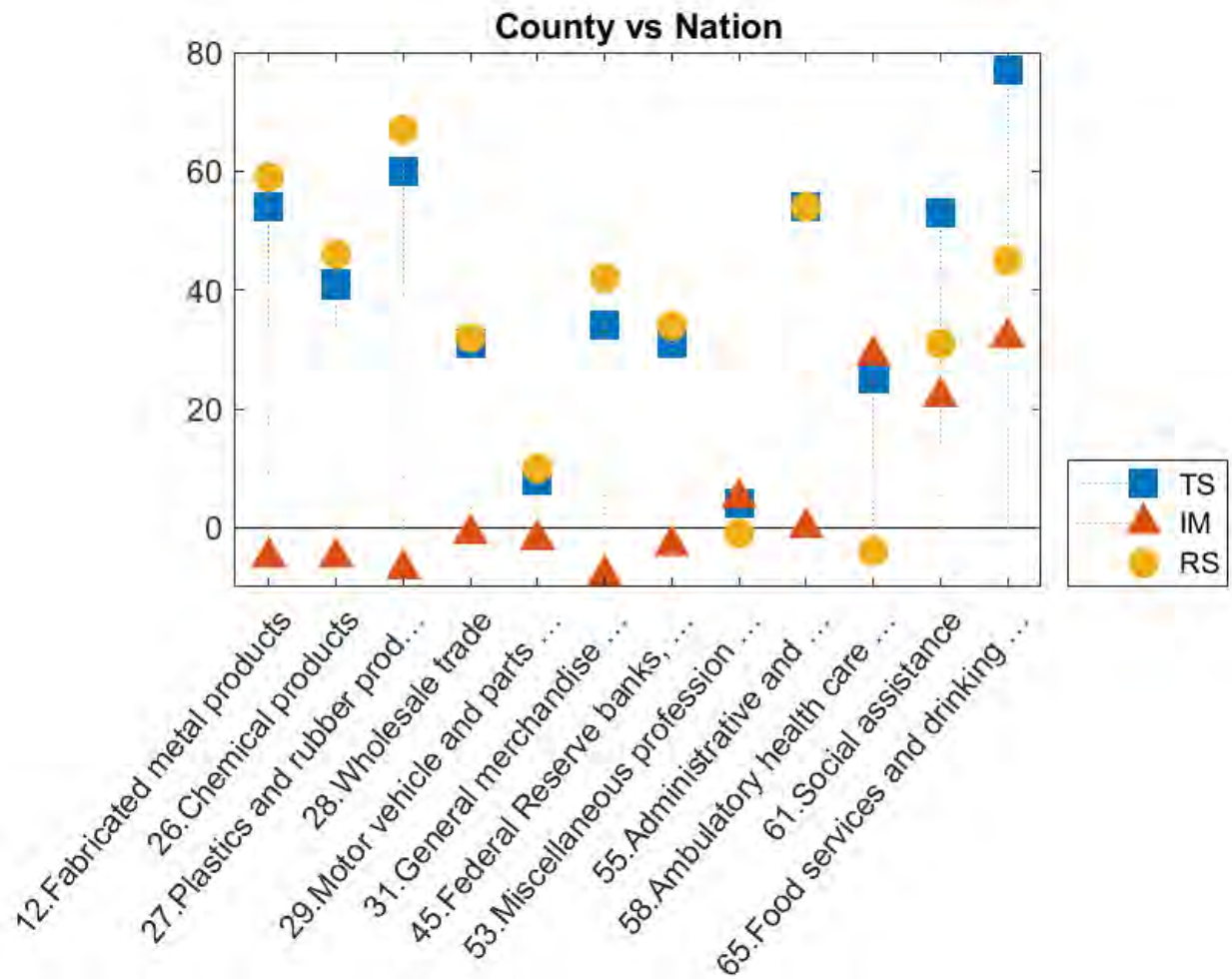
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Lewis County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Lewis County, Tennessee vs the U.S.

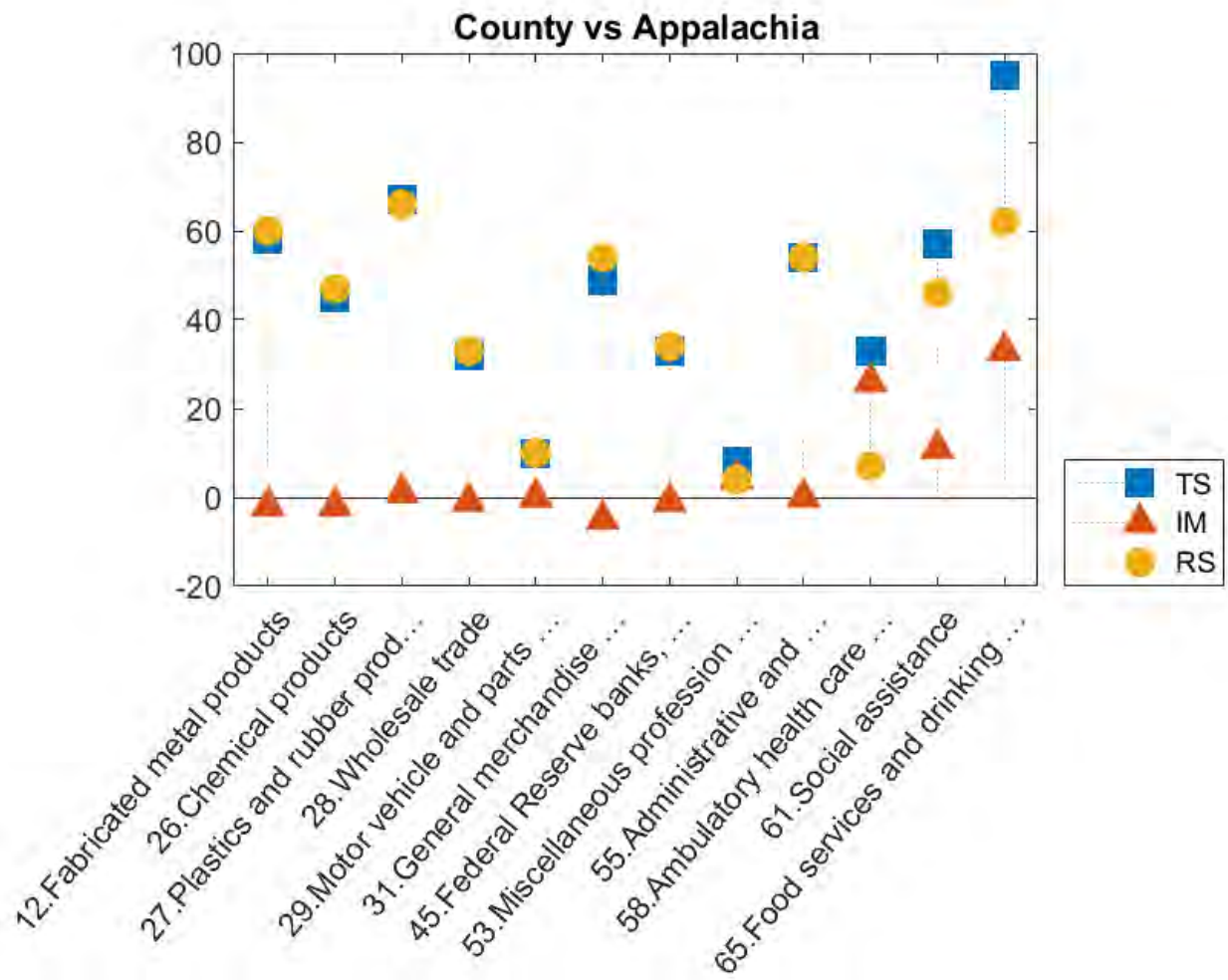


Chapter 28. Lewis County, Tennessee

Lewis County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	4	54	-5	59	90
26	Chemical products	4	41	-5	46	78
27	Plastics and rubber prod...	7	60	-7	67	132
28	Wholesale trade	1	31	-1	32	43
29	Motor vehicle and parts ...	3	8	-2	10	39
31	General merchandise ...	15	34	-8	42	187
45	Federal Reserve banks, ...	1	31	-3	34	46
53	Miscellaneous profession ...	3	4	5	-1	38
55	Administrative and ...	0	54	0	54	56
58	Ambulatory health care ...	9	25	29	-4	116
61	Social assistance	4	53	22	31	91
65	Food services and drinking ...	19	77	32	45	263

Selected SSA Components for Lewis County, Tennessee vs the Appalachian Region

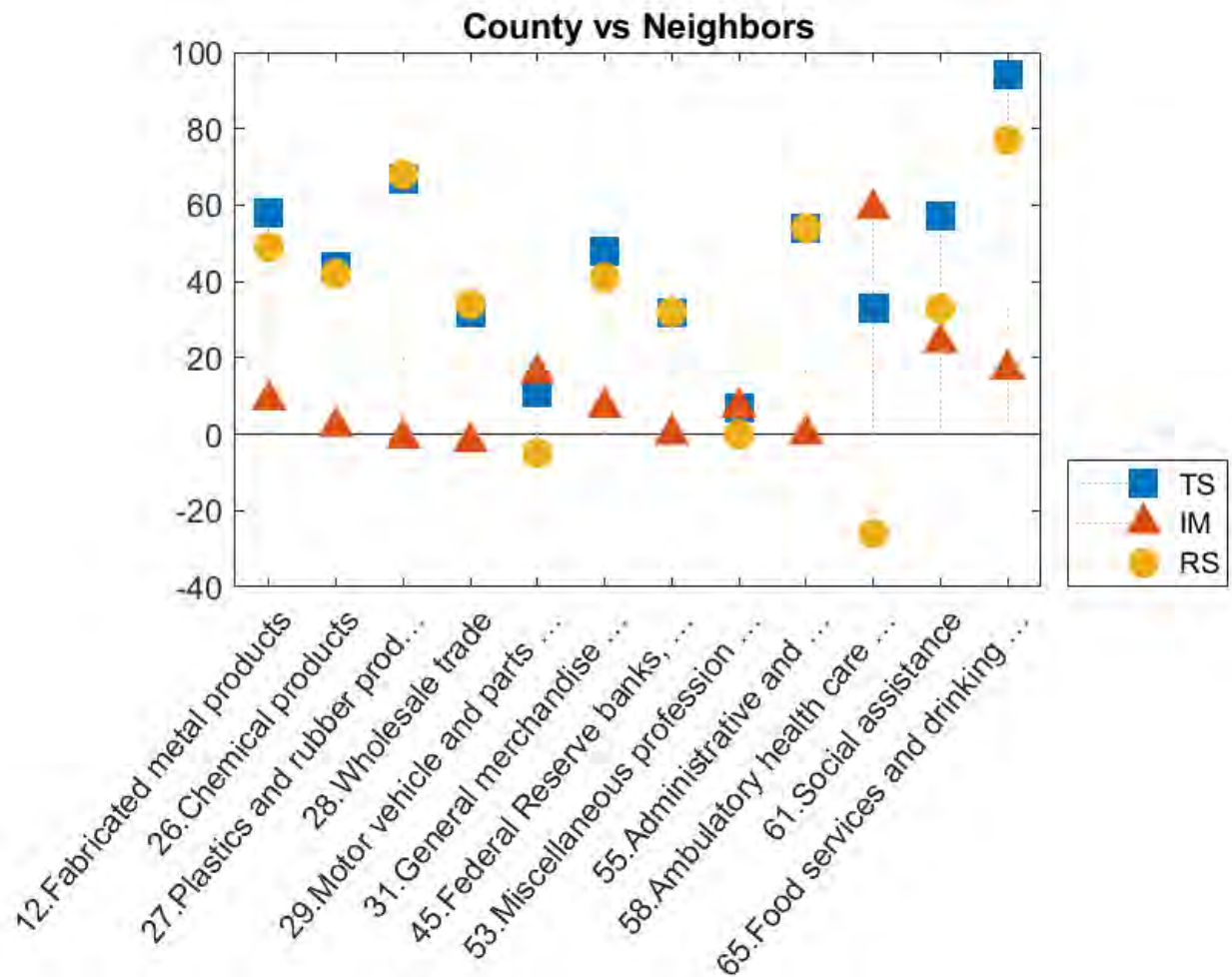


Chapter 28. Lewis County, Tennessee

Selected SSA Components for Lewis County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	58	-2	60	90
26	Chemical products	0	45	-2	47	78
27	Plastics and rubber prod...	0	67	1	66	132
28	Wholesale trade	0	32	-1	33	43
29	Motor vehicle and parts ...	0	10	0	10	39
31	General merchandise ...	0	49	-5	54	187
45	Federal Reserve banks, ...	0	33	-1	34	46
53	Miscellaneous profession ...	0	8	4	4	38
55	Administrative and ...	0	54	0	54	56
58	Ambulatory health care ...	0	33	26	7	116
61	Social assistance	0	57	11	46	91
65	Food services and drinking ...	1	95	33	62	263

Selected SSA Components for Lewis County, Tennessee vs Neighbors



Chapter 28. Lewis County, Tennessee

Selected SSA Components for Lewis County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	58	9	49	90
26	Chemical products	0	44	2	42	78
27	Plastics and rubber prod...	0	67	-1	68	132
28	Wholesale trade	0	32	-2	34	43
29	Motor vehicle and parts ...	0	11	16	-5	39
31	General merchandise ...	1	48	7	41	187
45	Federal Reserve banks, ...	0	32	0	32	46
53	Miscellaneous profession ...	0	7	7	0	38
55	Administrative and ...	0	54	0	54	56
58	Ambulatory health care ...	0	33	59	-26	116
61	Social assistance	0	57	24	33	91
65	Food services and drinking ...	1	94	17	77	263

Chapter 29. Loudon County, Tennessee

Employment in Loudon County, Tennessee, grew from 14,511 in 2005 to 15,440 in 2018, for a change of 929, or 6.4%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Loudon County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,634	-706	104	-810
vs. Appalachia	46	882	-109	991
vs. Neighbors	1,186	-254	-600	346

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Loudon County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 29. Loudon County, Tennessee

Industry Group Membership for Loudon County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a i	no	yes	yes	yes
08	Construction	F III c iii	no	yes	yes	yes
10	Nonmetallic mineral prod ...	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
17	Other transportation ...	F III c iii	no	yes	yes	yes
23	Paper products	D I a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B V b v	yes	no	yes	no
55	Administrative and ...	A I a ii	yes	yes	yes	yes
56	Waste management and ...	A I a iii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B V b v	yes	no	yes	no
59	Hospitals	E I a iii	no	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B II b iii	yes	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Chapter 29. Loudon County, Tennessee

Groups I, II, and III are from Loudon County, Tennessee vs. the United States

Groups a, b, and c are from Loudon County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Loudon County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Loudon County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Loudon County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Loudon County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Loudon County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

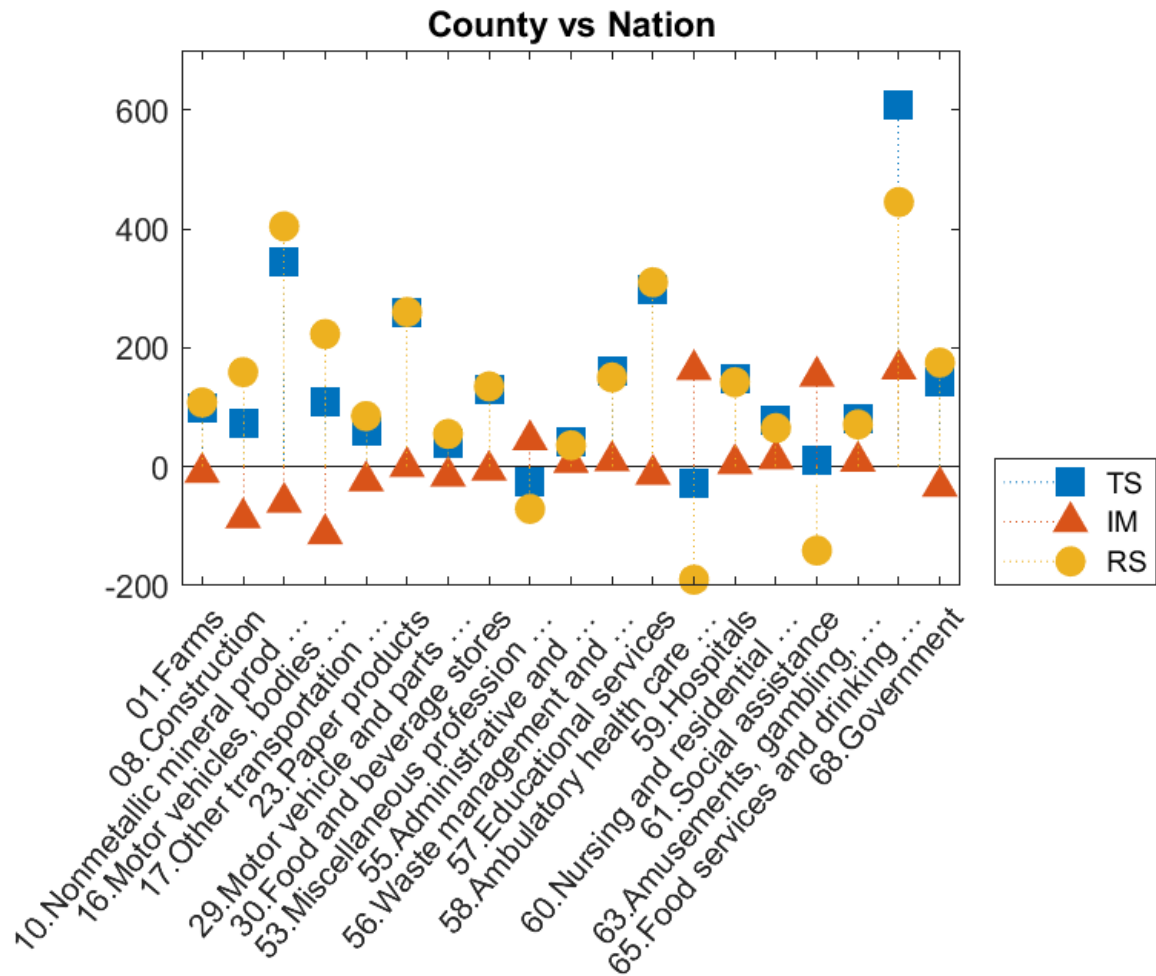
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Loudon County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Loudon County, Tennessee vs the U.S.

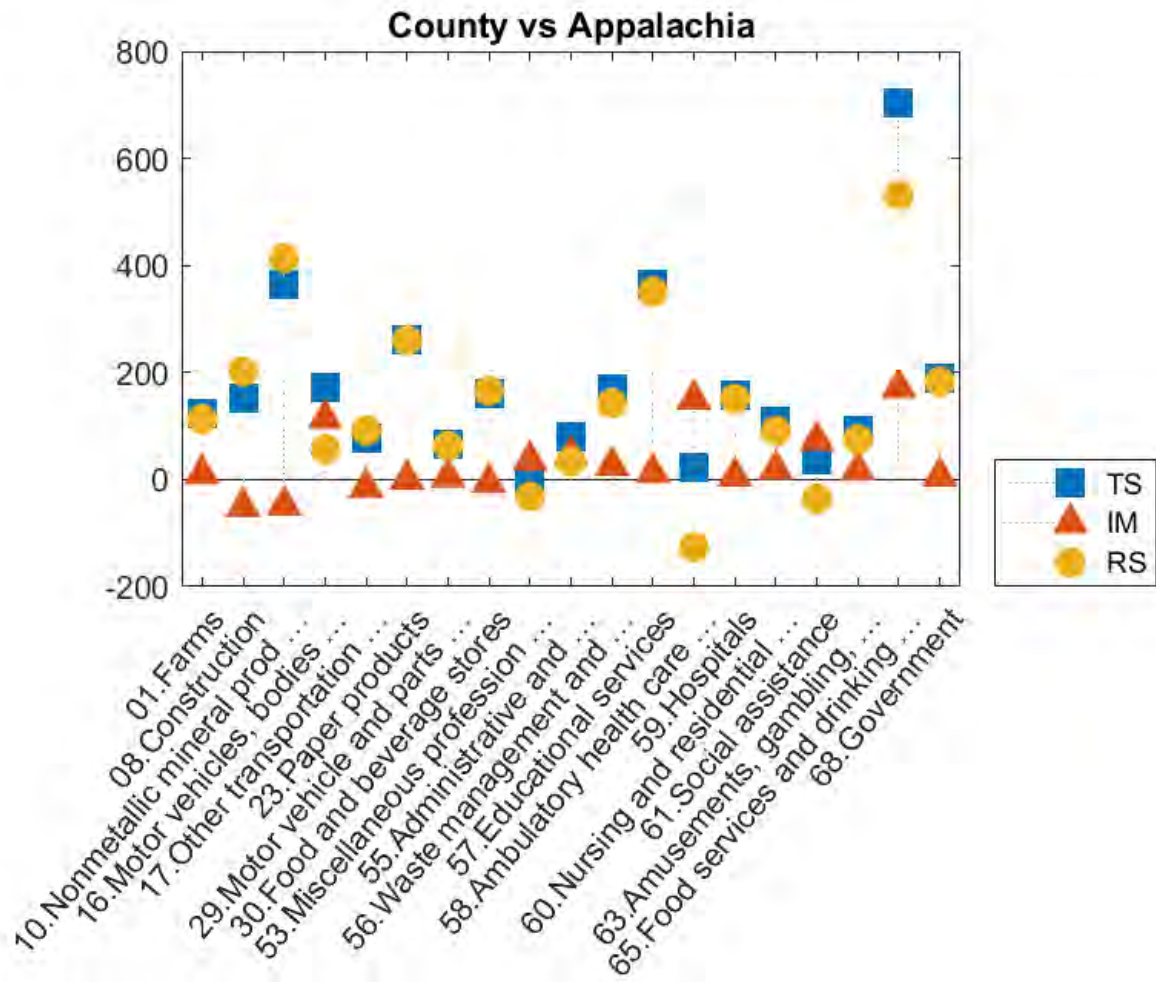


Chapter 29. Loudon County, Tennessee

Loudon County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	27	98	-10	108	365
08	Construction	80	73	-86	159	861
10	Nonmetallic mineral prod ...	23	344	-60	404	575
16	Motor vehicles, bodies ...	63	110	-113	223	732
17	Other transportation ...	17	61	-24	85	232
23	Paper products	0	260	0	260	260
29	Motor vehicle and parts ...	29	39	-16	55	327
30	Food and beverage stores	32	129	-6	135	442
53	Miscellaneous profession ...	30	-26	45	-71	273
55	Administrative and ...	37	43	7	36	413
56	Waste management and ...	10	160	10	150	257
57	Educational services	68	297	-13	310	969
58	Ambulatory health care ...	52	-27	163	-190	488
59	Hospitals	11	147	5	142	251
60	Nursing and residential ...	33	78	13	65	406
61	Social assistance	26	11	152	-141	270
63	Amusements, gambling, ...	13	80	9	71	205
65	Food services and drinking ...	97	609	164	445	1,568
68	Government	49	142	-33	175	623

Selected SSA Components for Loudon County, Tennessee vs the Appalachian Region

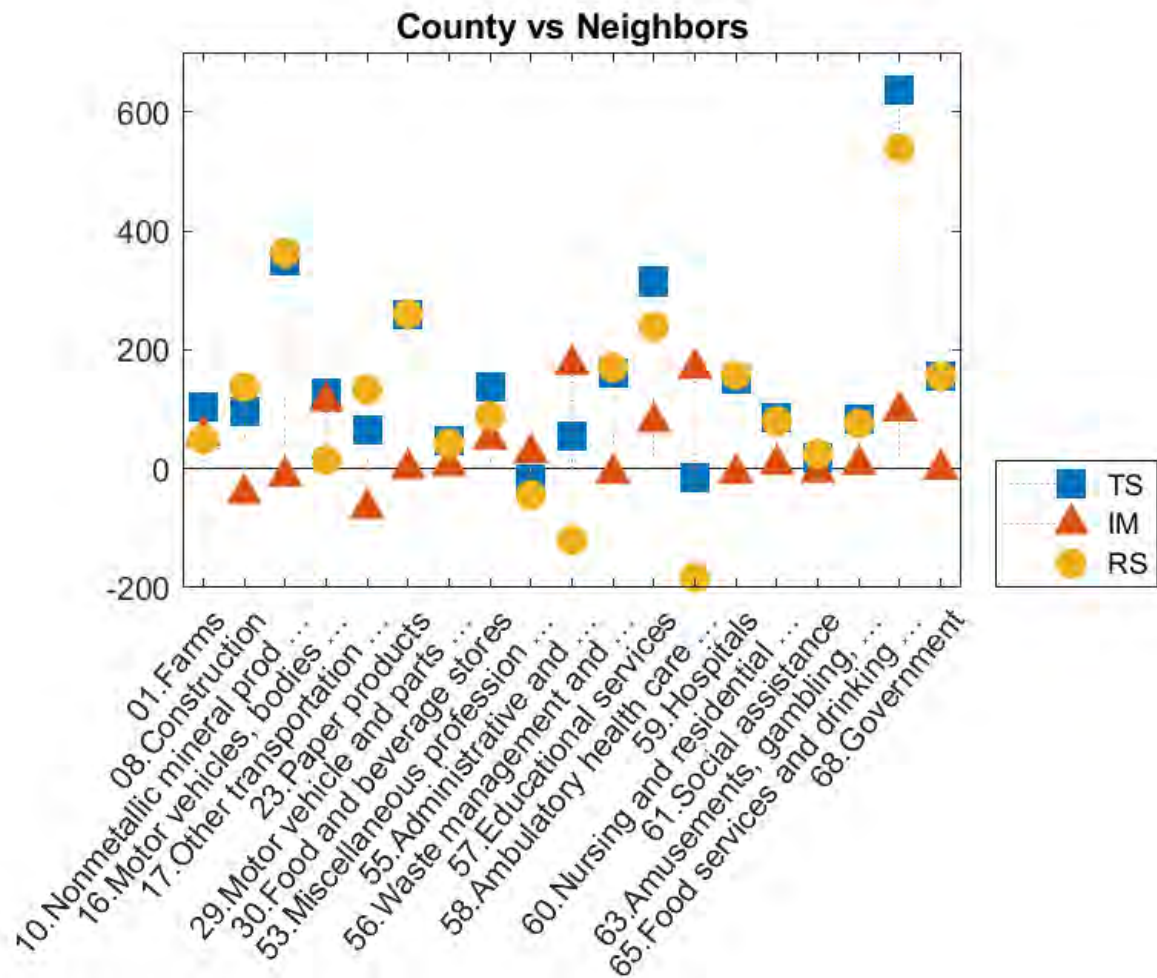


Chapter 29. Loudon County, Tennessee

Selected SSA Components for Loudon County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	124	11	113	365
08	Construction	2	151	-51	202	861
10	Nonmetallic mineral prod ...	1	366	-48	414	575
16	Motor vehicles, bodies ...	2	171	114	57	732
17	Other transportation ...	1	77	-15	92	232
23	Paper products	0	260	0	260	260
29	Motor vehicle and parts ...	1	67	4	63	327
30	Food and beverage stores	1	160	-6	166	442
53	Miscellaneous profession ...	1	4	36	-32	273
55	Administrative and ...	1	79	45	34	413
56	Waste management and ...	0	169	26	143	257
57	Educational services	2	364	13	351	969
58	Ambulatory health care ...	2	23	150	-127	488
59	Hospitals	0	157	6	151	251
60	Nursing and residential ...	1	110	19	91	406
61	Social assistance	1	37	73	-36	270
63	Amusements, gambling, ...	0	92	17	75	205
65	Food services and drinking ...	3	703	172	531	1,568
68	Government	1	189	6	183	623

Selected SSA Components for Loudon County, Tennessee vs Neighbors



Chapter 29. Loudon County, Tennessee

Selected SSA Components for Loudon County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	20	105	56	49	365
08	Construction	58	95	-42	137	861
10	Nonmetallic mineral prod ...	17	350	-13	363	575
16	Motor vehicles, bodies ...	46	127	113	14	732
17	Other transportation ...	13	66	-67	133	232
23	Paper products	0	260	0	260	260
29	Motor vehicle and parts ...	21	47	5	42	327
30	Food and beverage stores	23	138	50	88	442
53	Miscellaneous profession ...	22	-18	26	-44	273
55	Administrative and ...	27	54	175	-121	413
56	Waste management and ...	7	162	-8	170	257
57	Educational services	49	317	78	239	969
58	Ambulatory health care ...	38	-14	169	-183	488
59	Hospitals	8	150	-8	158	251
60	Nursing and residential ...	24	87	7	80	406
61	Social assistance	19	19	-6	25	270
63	Amusements, gambling, ...	9	83	7	76	205
65	Food services and drinking ...	71	636	97	539	1,568
68	Government	35	155	-1	156	623

Chapter 30. McMinn County, Tennessee

Employment in McMinn County, Tennessee, grew from 18,006 in 2005 to 18,039 in 2018, for a change of 33, or 0.18%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for McMinn County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	2,029	-1,997	-1,375	-622
vs. Appalachia	58	-31	-180	149
vs. Neighbors	899	-864	-848	-16

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to McMinn County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 30. McMinn County, Tennessee

Industry Group Membership for McMinn County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
11	Primary metals	F III c i	no	yes	yes	yes
15	Electrical equipment, ...	D I a i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
20	Food and beverage ...	E I c iii	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B II a ii	yes	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from McMinn County, Tennessee vs. the United States

Groups a, b, and c are from McMinn County, Tennessee vs. Appalachia

Groups i, ii, and iii are from McMinn County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing McMinn County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by McMinn County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in McMinn County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that McMinn County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

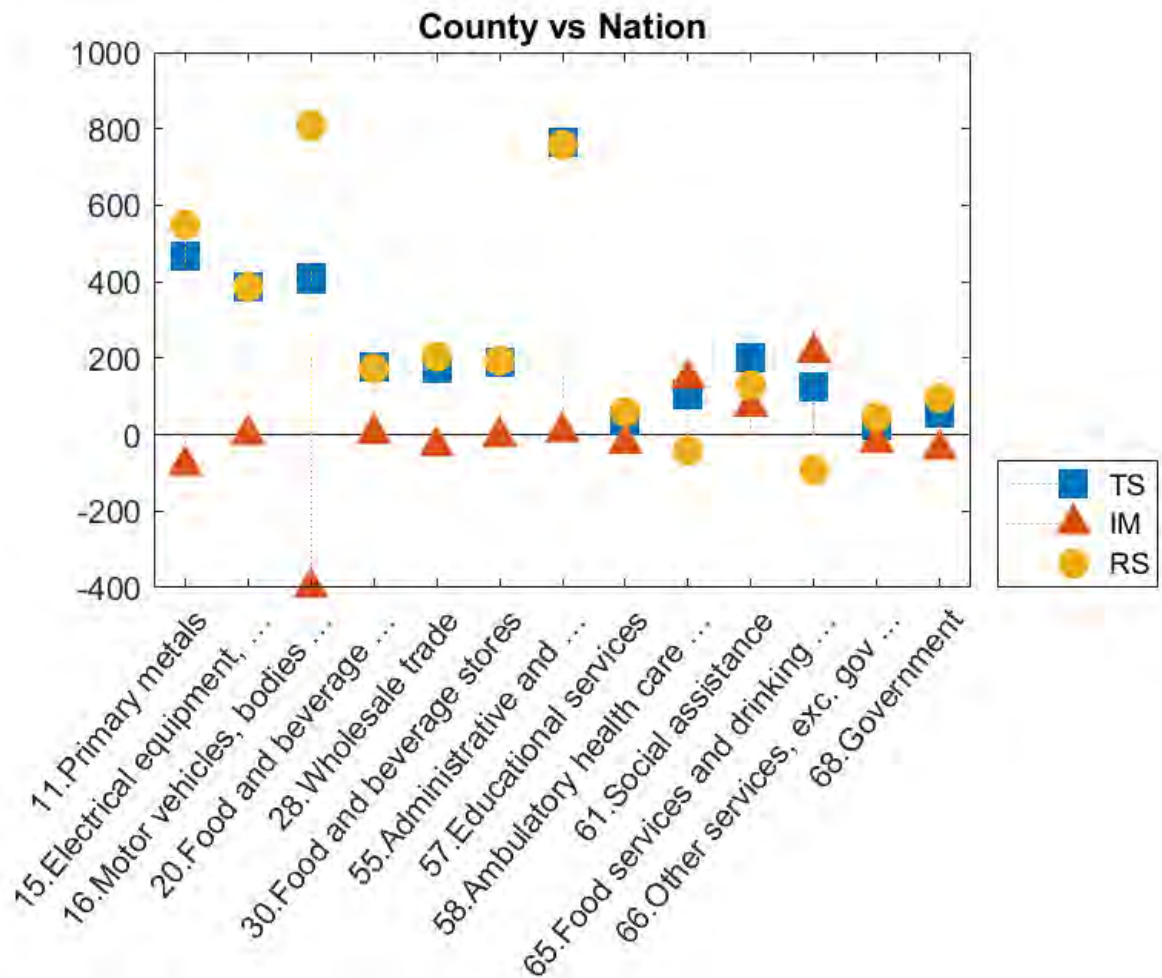
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in McMinn County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for McMinn County, Tennessee vs the U.S.

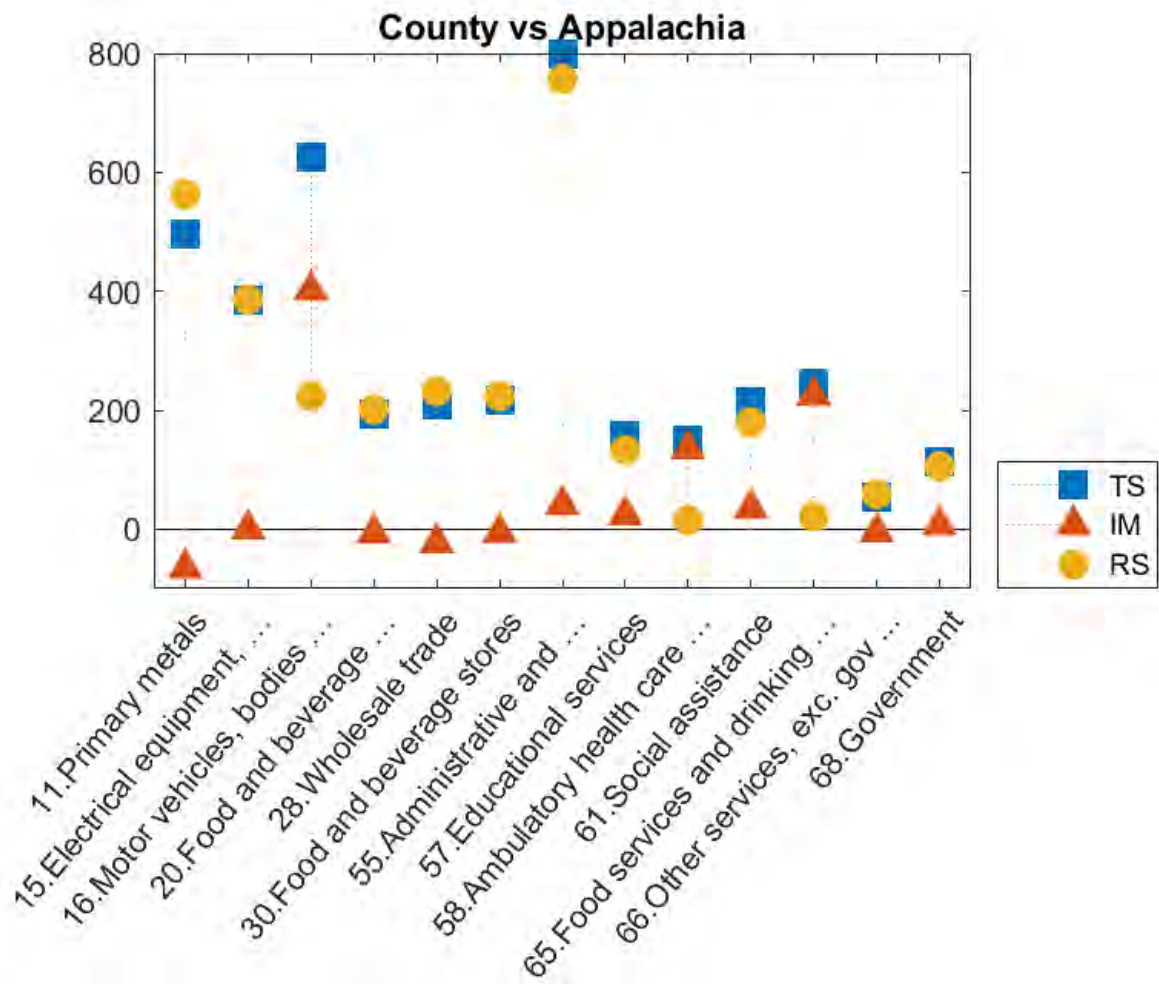


Chapter 30. McMinn County, Tennessee

McMinn County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	31	468	-81	549	773
15	Electrical equipment, ...	0	386	0	386	386
16	Motor vehicles, bodies ...	223	410	-399	809	2,609
20	Food and beverage ...	19	176	3	173	364
28	Wholesale trade	35	175	-30	205	525
30	Food and beverage stores	30	189	-5	194	486
55	Administrative and ...	34	765	7	758	1,100
57	Educational services	124	37	-23	60	1,258
58	Ambulatory health care ...	47	105	147	-42	571
61	Social assistance	13	203	74	129	329
65	Food services and drinking ...	127	123	215	-92	1,378
66	Other services, exc. gov ...	29	26	-20	46	309
68	Government	57	58	-38	96	617

Selected SSA Components for McMinn County, Tennessee vs the Appalachian Region

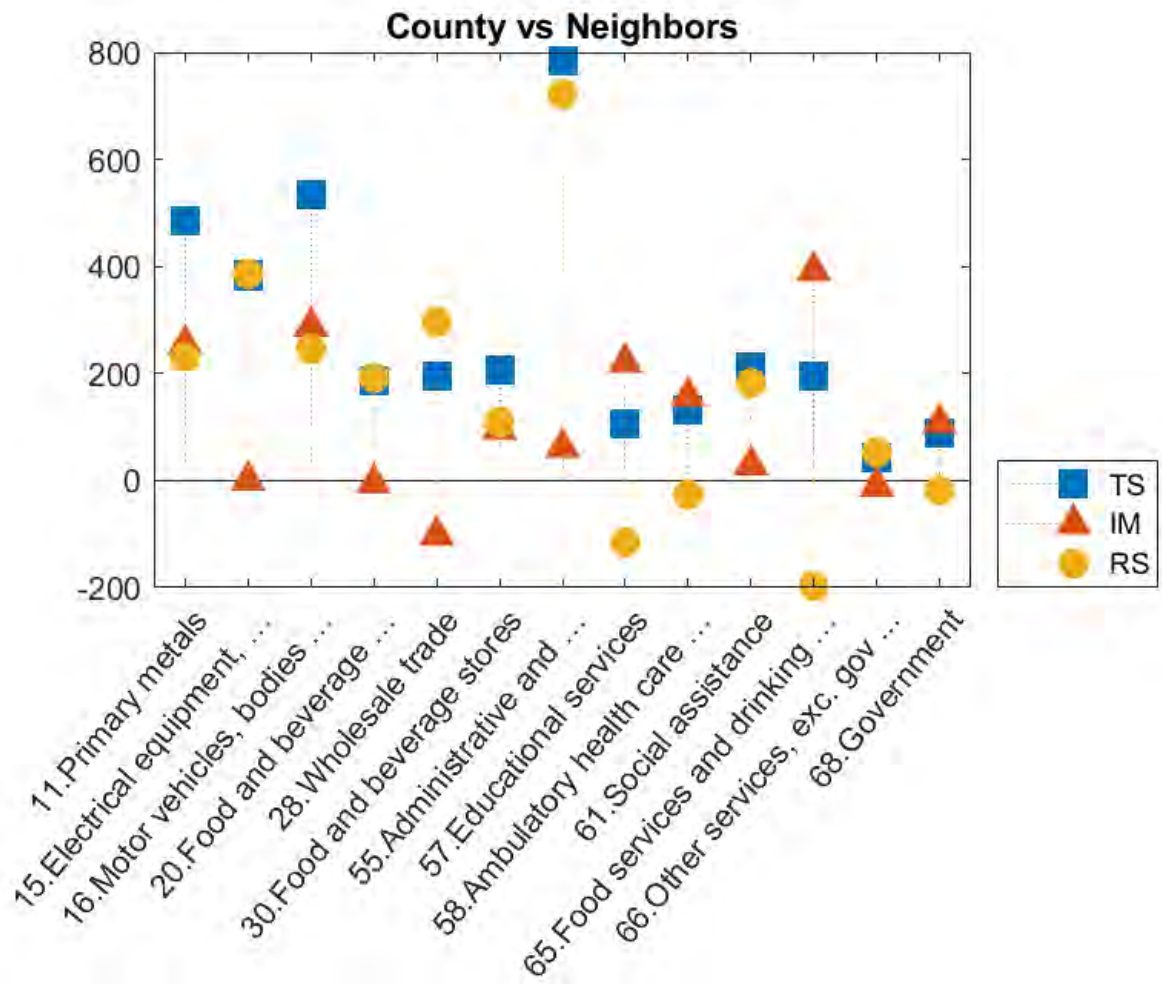


Chapter 30. McMinn County, Tennessee

Selected SSA Components for McMinn County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	1	497	-66	563	773
15	Electrical equipment, ...	0	386	0	386	386
16	Motor vehicles, bodies ...	7	626	402	224	2,609
20	Food and beverage ...	1	194	-7	201	364
28	Wholesale trade	1	209	-23	232	525
30	Food and beverage stores	1	218	-6	224	486
55	Administrative and ...	1	798	41	757	1,100
57	Educational services	4	157	24	133	1,258
58	Ambulatory health care ...	1	150	135	15	571
61	Social assistance	0	215	35	180	329
65	Food services and drinking ...	4	246	225	21	1,378
66	Other services, exc. gov ...	1	54	-5	59	309
68	Government	2	113	7	106	617

Selected SSA Components for McMinn County, Tennessee vs Neighbors



Chapter 30. McMinn County, Tennessee

Selected SSA Components for McMinn County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	14	485	255	230	773
15	Electrical equipment, ...	0	386	0	386	386
16	Motor vehicles, bodies ...	99	534	288	246	2,609
20	Food and beverage ...	8	187	-5	192	364
28	Wholesale trade	16	194	-102	296	525
30	Food and beverage stores	13	206	96	110	486
55	Administrative and ...	15	784	62	722	1,100
57	Educational services	55	106	221	-115	1,258
58	Ambulatory health care ...	21	131	157	-26	571
61	Social assistance	6	211	29	182	329
65	Food services and drinking ...	56	195	392	-197	1,378
66	Other services, exc. gov ...	13	42	-11	53	309
68	Government	25	89	108	-19	617

Chapter 31. Macon County, Tennessee

Employment in Macon County, Tennessee, grew from 4,819 in 2005 to 4,983 in 2018, for a change of 164, or 3.4%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Macon County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	541	-382	-307	-75
vs. Appalachia	13	146	-322	468
vs. Neighbors	1,159	-995	-536	-459

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Macon County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 31. Macon County, Tennessee

Industry Group Membership for Macon County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
09	Wood products	F III c iii	no	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
27	Plastics and rubber prod...	D III a iv	no	yes	yes	no
30	Food and beverage stores	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a ii	no	yes	yes	yes
65	Food services and drinking ...	B I a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Macon County, Tennessee vs. the United States

Groups a, b, and c are from Macon County, Tennessee vs. Appalachia

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Industry-Specific Results

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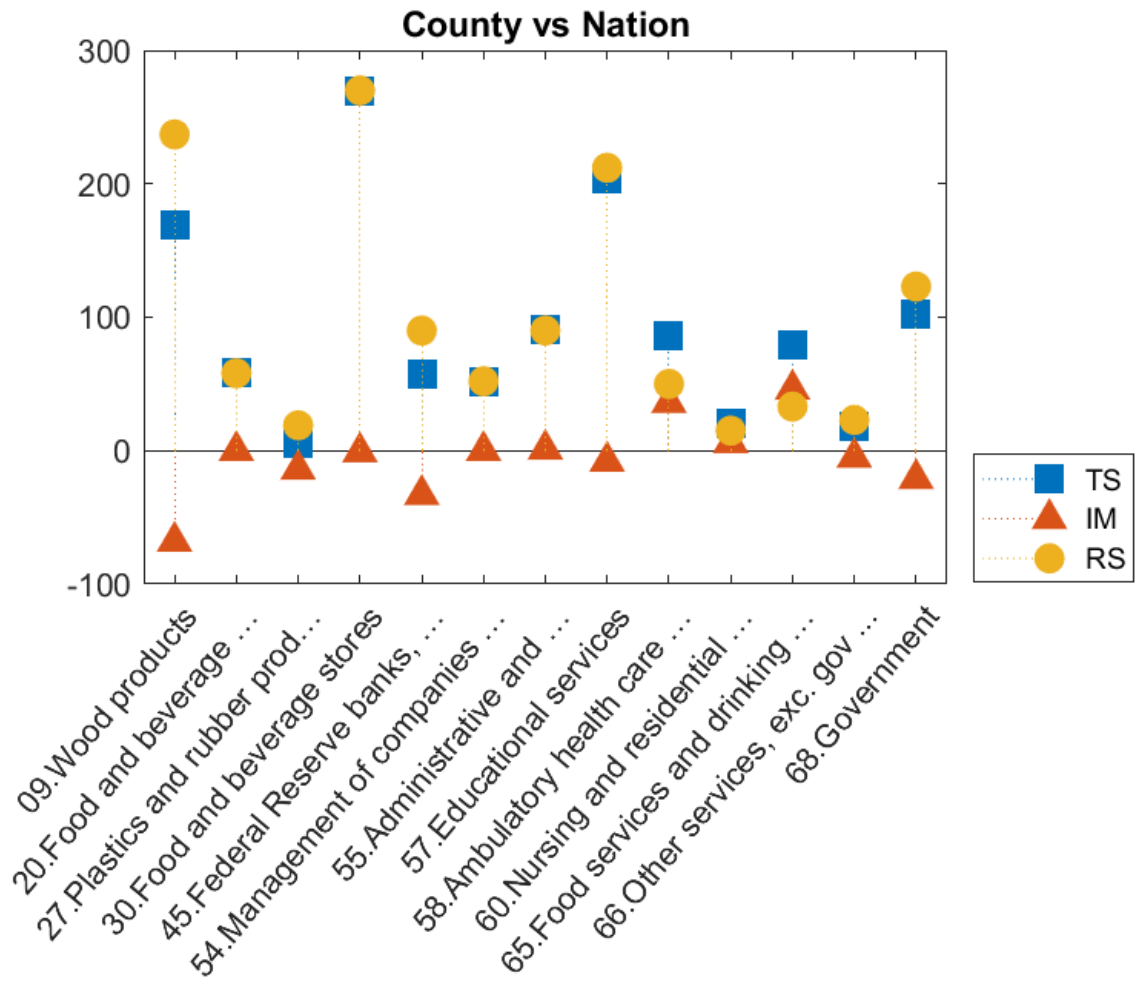
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Interpreting Different Referent Region Results

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Selected SSA Components for Macon County, Tennessee vs the U.S.

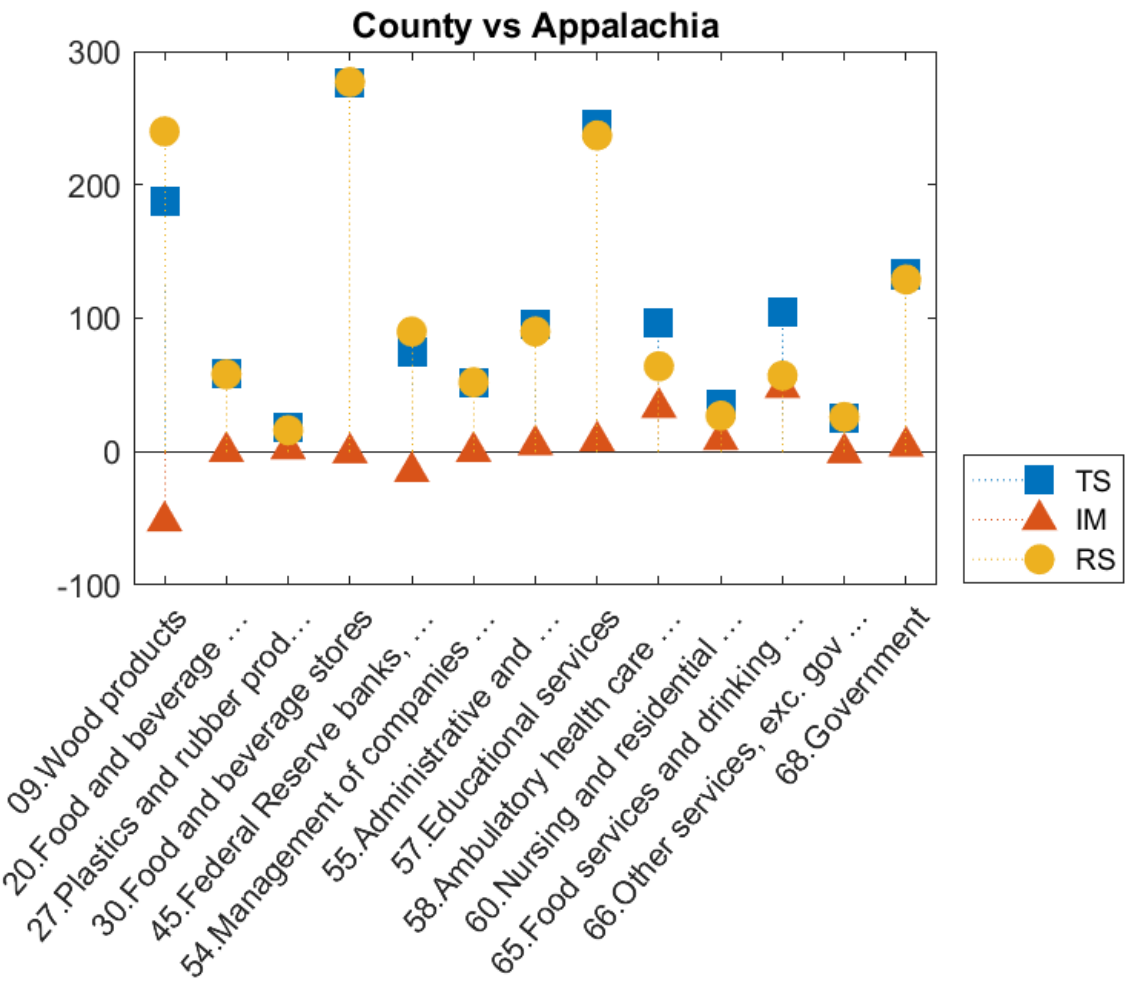


Chapter 31. Macon County, Tennessee

Macon County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	20	169	-68	237	362
20	Food and beverage ...	0	58	0	58	58
27	Plastics and rubber prod...	15	5	-14	19	148
30	Food and beverage stores	8	269	-1	270	343
45	Federal Reserve banks, ...	19	57	-33	90	246
54	Management of companies ...	0	52	0	52	52
55	Administrative and ...	4	91	1	90	131
57	Educational services	41	204	-8	212	614
58	Ambulatory health care ...	12	86	36	50	199
60	Nursing and residential ...	15	21	6	15	170
65	Food services and drinking ...	27	79	46	33	347
66	Other services, exc. gov ...	7	18	-5	23	89
68	Government	31	102	-21	123	408

Selected SSA Components for Macon County, Tennessee vs the Appalachian Region

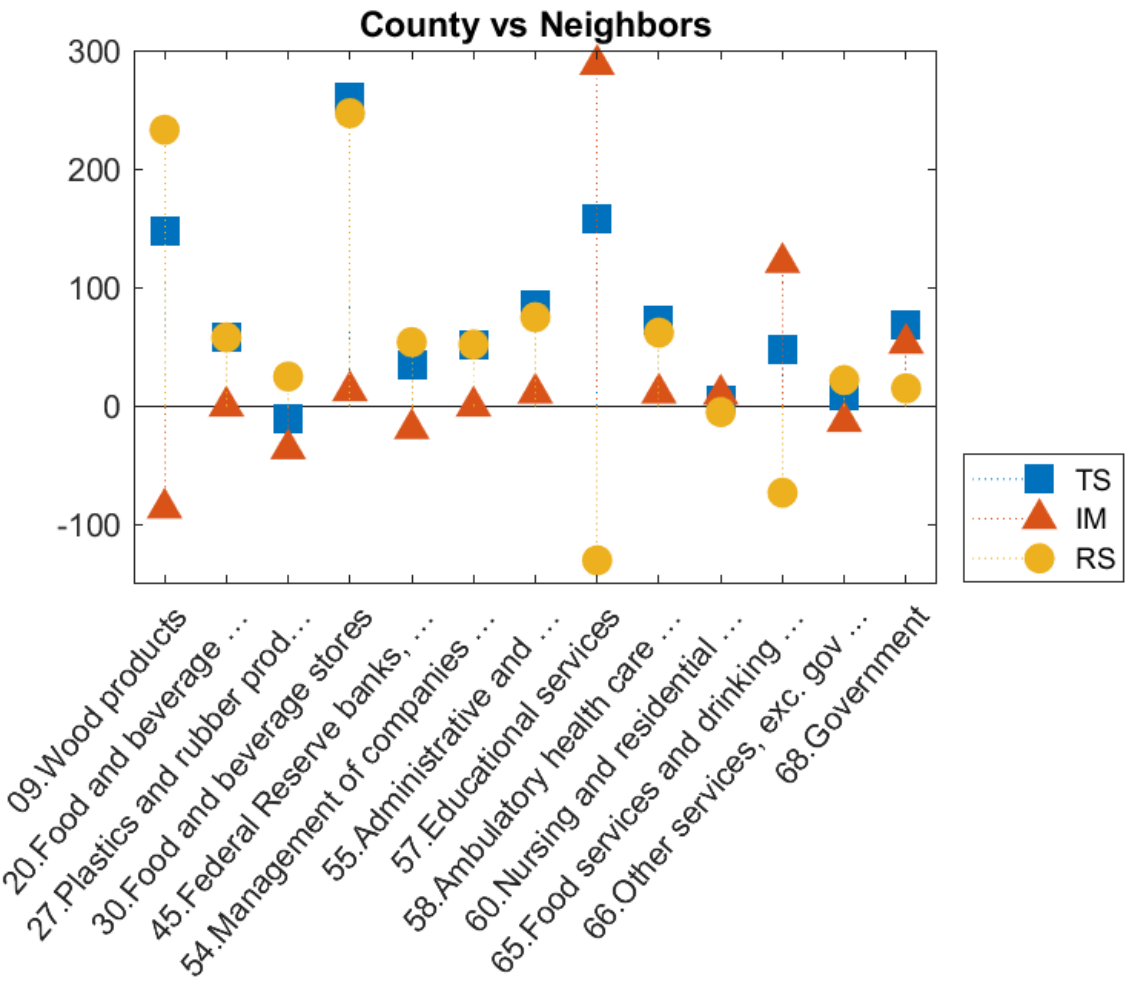


Chapter 31. Macon County, Tennessee

Selected SSA Components for Macon County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	1	188	-52	240	362
20	Food and beverage ...	0	58	0	58	58
27	Plastics and rubber prod...	0	18	2	16	148
30	Food and beverage stores	0	276	-1	277	343
45	Federal Reserve banks, ...	1	75	-15	90	246
54	Management of companies ...	0	52	0	52	52
55	Administrative and ...	0	95	5	90	131
57	Educational services	1	245	8	237	614
58	Ambulatory health care ...	0	97	33	64	199
60	Nursing and residential ...	0	36	9	27	170
65	Food services and drinking ...	1	105	48	57	347
66	Other services, exc. gov ...	0	25	-1	26	89
68	Government	1	133	4	129	408

Selected SSA Components for Macon County, Tennessee vs Neighbors



Chapter 31. Macon County, Tennessee

Selected SSA Components for Macon County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	42	147	-86	233	362
20	Food and beverage ...	0	58	0	58	58
27	Plastics and rubber prod...	31	-11	-36	25	148
30	Food and beverage stores	16	260	13	247	343
45	Federal Reserve banks, ...	41	35	-19	54	246
54	Management of companies ...	0	52	0	52	52
55	Administrative and ...	9	86	11	75	131
57	Educational services	89	158	288	-130	614
58	Ambulatory health care ...	25	73	11	62	199
60	Nursing and residential ...	32	5	10	-5	170
65	Food services and drinking ...	58	48	121	-73	347
66	Other services, exc. gov ...	15	9	-13	22	89
68	Government	66	68	53	15	408

Chapter 32. Marion County, Tennessee

Employment in Marion County, Tennessee, grew from 7,433 in 2005 to 7,579 in 2018, for a change of 146, or 1.96%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Marion County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	840	-691	-297	-394
vs. Appalachia	25	122	-227	349
vs. Neighbors	-52	201	180	21

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Marion County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 32. Marion County, Tennessee

Industry Group Membership for Marion County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c i	no	yes	yes	yes
09	Wood products	F III c i	no	yes	yes	yes
10	Nonmetallic mineral prod ...	F III c i	no	yes	yes	yes
11	Primary metals	F III c iii	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
23	Paper products	D III c i	no	yes	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a ii	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Marion County, Tennessee vs. the United States

Groups a, b, and c are from Marion County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Marion County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Marion County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Marion County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Marion County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Marion County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

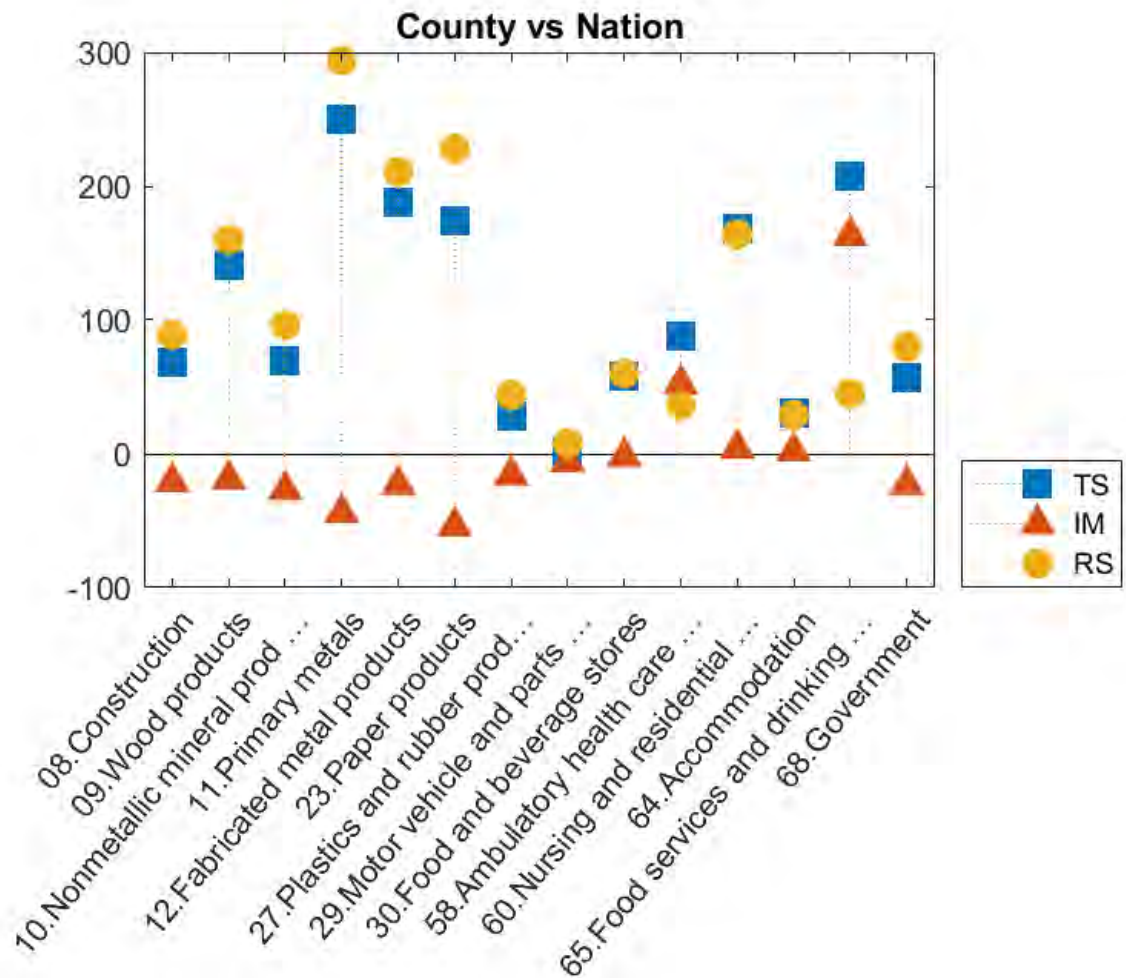
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Marion County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Marion County, Tennessee vs the U.S.

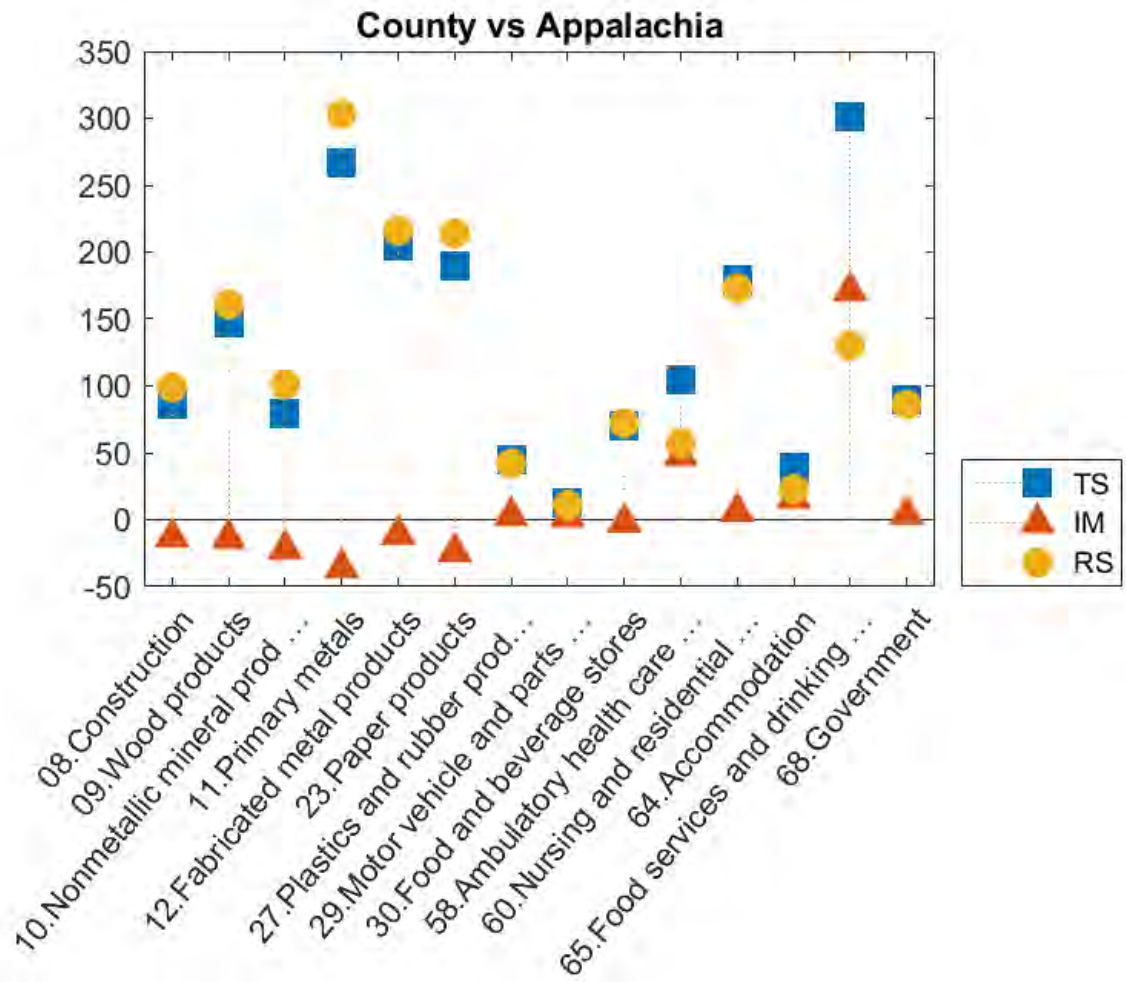


Chapter 32. Marion County, Tennessee

Marion County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	20	68	-21	89	262
09	Wood products	5	141	-19	160	195
10	Nonmetallic mineral prod ...	11	69	-27	96	173
11	Primary metals	17	250	-44	294	416
12	Fabricated metal products	17	188	-23	211	359
23	Paper products	17	174	-54	228	340
27	Plastics and rubber prod...	17	28	-16	44	194
29	Motor vehicle and parts ...	12	2	-6	8	116
30	Food and beverage stores	12	58	-2	60	177
58	Ambulatory health care ...	17	88	52	36	253
60	Nursing and residential ...	11	168	4	164	276
64	Accommodation	9	31	2	29	116
65	Food services and drinking ...	97	208	163	45	1,161
68	Government	34	57	-23	80	391

Selected SSA Components for Marion County, Tennessee vs the Appalachian Region

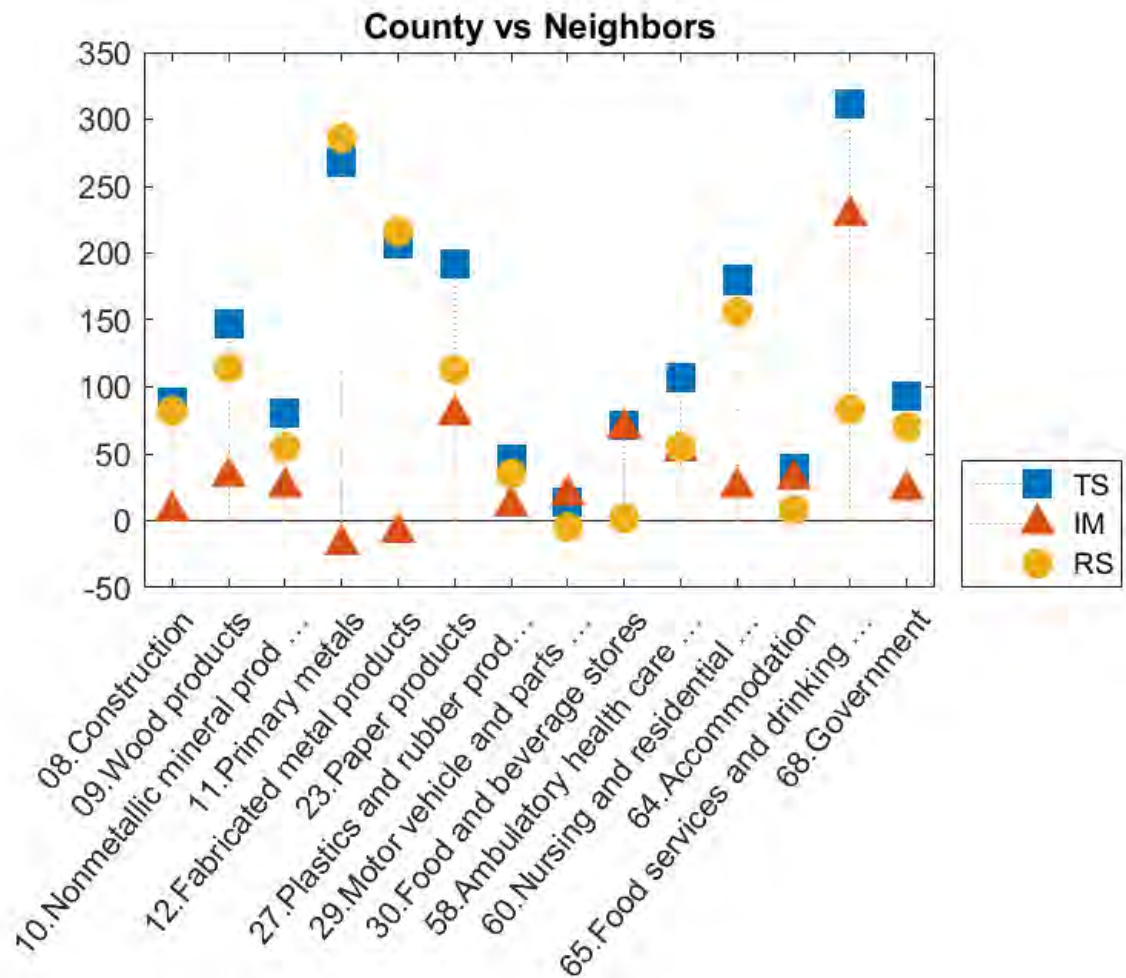


Chapter 32. Marion County, Tennessee

Selected SSA Components for Marion County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	1	86	-13	99	262
09	Wood products	0	147	-14	161	195
10	Nonmetallic mineral prod ...	0	79	-22	101	173
11	Primary metals	1	267	-36	303	416
12	Fabricated metal products	1	205	-11	216	359
23	Paper products	1	190	-24	214	340
27	Plastics and rubber prod...	1	45	3	42	194
29	Motor vehicle and parts ...	0	13	2	11	116
30	Food and beverage stores	0	70	-2	72	177
58	Ambulatory health care ...	1	105	48	57	253
60	Nursing and residential ...	0	179	6	173	276
64	Accommodation	0	39	16	23	116
65	Food services and drinking ...	3	301	171	130	1,161
68	Government	1	90	4	86	391

Selected SSA Components for Marion County, Tennessee vs Neighbors



Chapter 32. Marion County, Tennessee

Selected SSA Components for Marion County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-1	89	7	82	262
09	Wood products	-0	147	33	114	195
10	Nonmetallic mineral prod ...	-1	80	25	55	173
11	Primary metals	-1	268	-18	286	416
12	Fabricated metal products	-1	207	-9	216	359
23	Paper products	-1	192	79	113	340
27	Plastics and rubber prod...	-1	46	11	35	194
29	Motor vehicle and parts ...	-1	14	19	-5	116
30	Food and beverage stores	-1	71	69	2	177
58	Ambulatory health care ...	-1	107	52	55	253
60	Nursing and residential ...	-1	181	25	156	276
64	Accommodation	-1	39	31	8	116
65	Food services and drinking ...	-6	311	228	83	1,161
68	Government	-2	93	23	70	391

Chapter 33. Meigs County, Tennessee

Employment in Meigs County, Tennessee, grew from 1,668 in 2005 to 2,151 in 2018, for a change of 483, or 28.96%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Meigs County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	187	295	-248	543
vs. Appalachia	2	480	-144	624
vs. Neighbors	24	459	-32	491

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Meigs County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 33. Meigs County, Tennessee

Industry Group Membership for Meigs County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
11	Primary metals	F I a i	no	yes	yes	yes
12	Fabricated metal products	F I a i	no	yes	yes	yes
13	Machinery	F III c iii	no	yes	yes	yes
15	Electrical equipment, ...	D I a i	no	yes	yes	yes
30	Food and beverage stores	F III c ii	no	yes	yes	yes
39	Other transportation ...	E I c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Meigs County, Tennessee vs. the United States

Groups a, b, and c are from Meigs County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Meigs County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Meigs County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Meigs County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Meigs County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Meigs County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

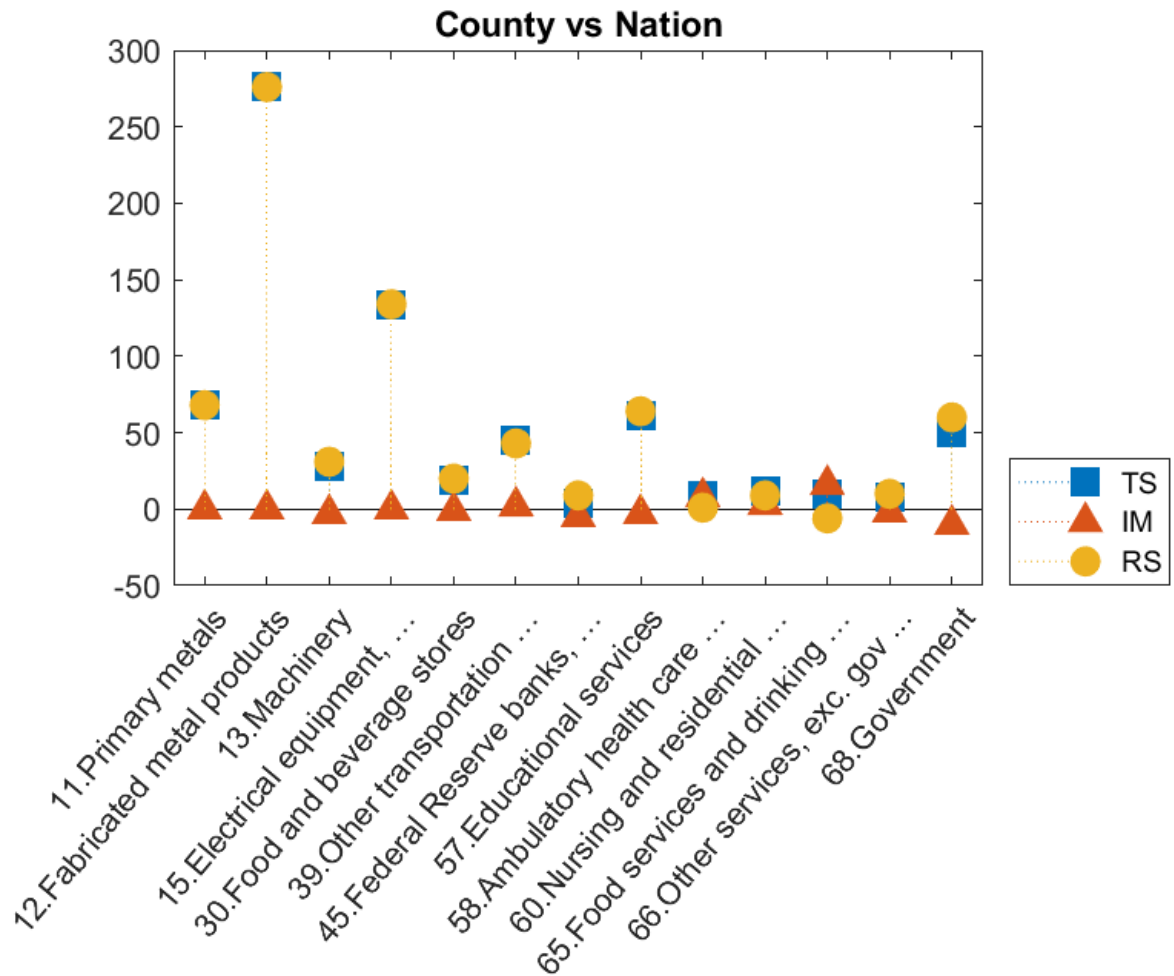
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Meigs County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Meigs County, Tennessee vs the U.S.

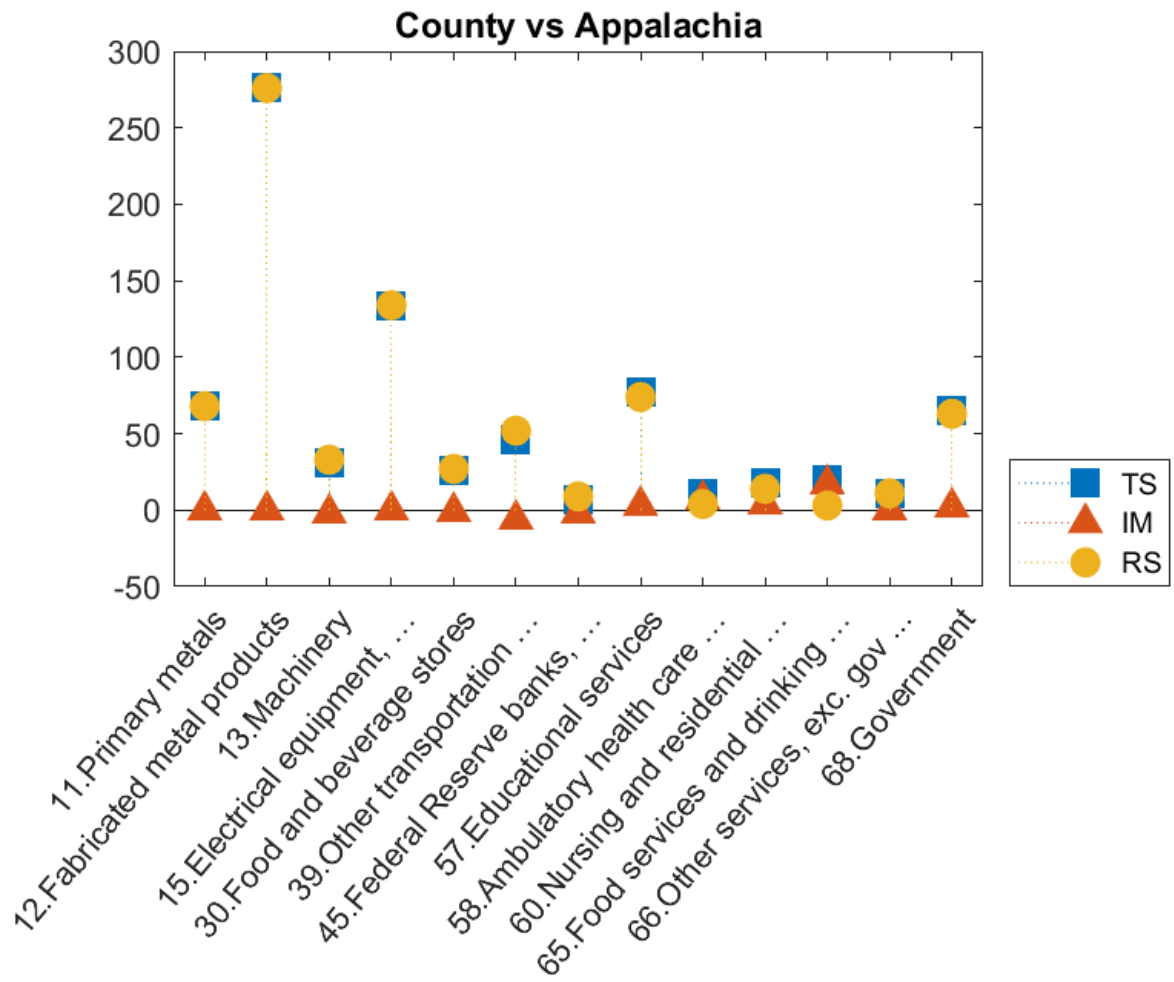


Chapter 33. Meigs County, Tennessee

Meigs County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	0	68	0	68	68
12	Fabricated metal products	0	276	0	276	276
13	Machinery	2	28	-3	31	48
15	Electrical equipment, ...	0	134	0	134	134
30	Food and beverage stores	6	19	-1	20	83
39	Other transportation ...	1	45	2	43	60
45	Federal Reserve banks, ...	3	4	-5	9	31
57	Educational services	16	61	-3	64	219
58	Ambulatory health care ...	2	9	8	1	33
60	Nursing and residential ...	6	12	3	9	75
65	Food services and drinking ...	9	10	16	-6	104
66	Other services, exc. gov ...	3	8	-2	10	36
68	Government	15	50	-10	60	195

Selected SSA Components for Meigs County, Tennessee vs the Appalachian Region

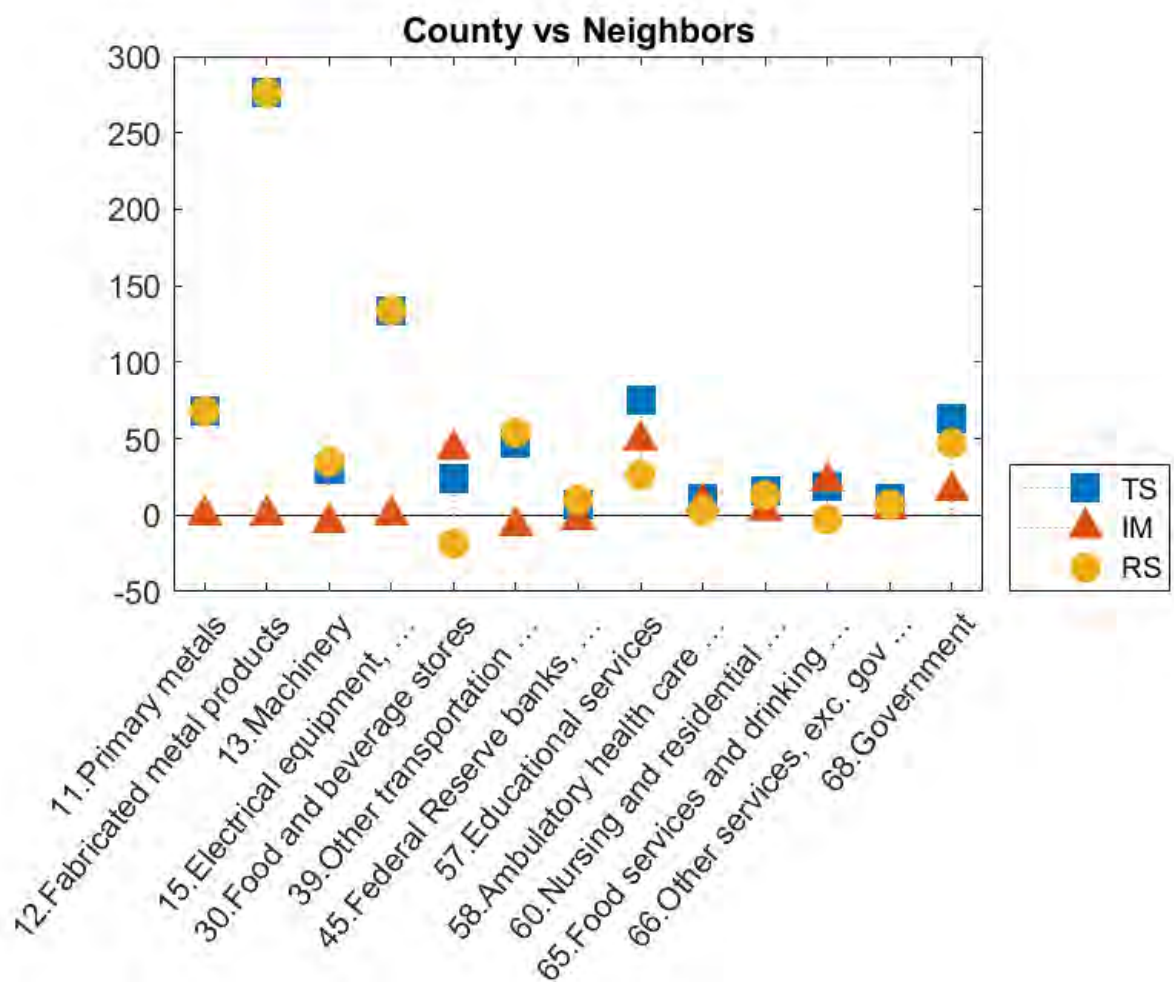


Chapter 33. Meigs County, Tennessee

Selected SSA Components for Meigs County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	0	68	0	68	68
12	Fabricated metal products	0	276	0	276	276
13	Machinery	0	31	-2	33	48
15	Electrical equipment, ...	0	134	0	134	134
30	Food and beverage stores	0	26	-1	27	83
39	Other transportation ...	0	46	-6	52	60
45	Federal Reserve banks, ...	0	7	-2	9	31
57	Educational services	0	77	3	74	219
58	Ambulatory health care ...	0	11	7	4	33
60	Nursing and residential ...	0	18	4	14	75
65	Food services and drinking ...	0	20	17	3	104
66	Other services, exc. gov ...	0	11	-0	11	36
68	Government	0	65	2	63	195

Selected SSA Components for Meigs County, Tennessee vs Neighbors



Chapter 33. Meigs County, Tennessee

Selected SSA Components for Meigs County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	0	68	0	68	68
12	Fabricated metal products	0	276	0	276	276
13	Machinery	0	30	-5	35	48
15	Electrical equipment, ...	0	134	0	134	134
30	Food and beverage stores	1	24	43	-19	83
39	Other transportation ...	0	47	-7	54	60
45	Federal Reserve banks, ...	0	7	-3	10	31
57	Educational services	2	75	49	26	219
58	Ambulatory health care ...	0	11	8	3	33
60	Nursing and residential ...	1	16	3	13	75
65	Food services and drinking ...	1	19	22	-3	104
66	Other services, exc. gov ...	0	11	4	7	36
68	Government	2	63	16	47	195

Chapter 34. Monroe County, Tennessee

Employment in Monroe County, Tennessee, declined from 14,395 in 2005 to 14,318 in 2018, for a change of -77, or -0.53%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Monroe County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,625	-1,700	-1,276	-424
vs. Appalachia	47	-128	-516	388
vs. Neighbors	959	-1,042	-315	-727

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Monroe County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 34. Monroe County, Tennessee

Industry Group Membership for Monroe County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
09	Wood products	F III c iii	no	yes	yes	yes
11	Primary metals	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C IV b ii	yes	no	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a iii	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Monroe County, Tennessee vs. the United States

Groups a, b, and c are from Monroe County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Monroe County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Monroe County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Monroe County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Monroe County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Monroe County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

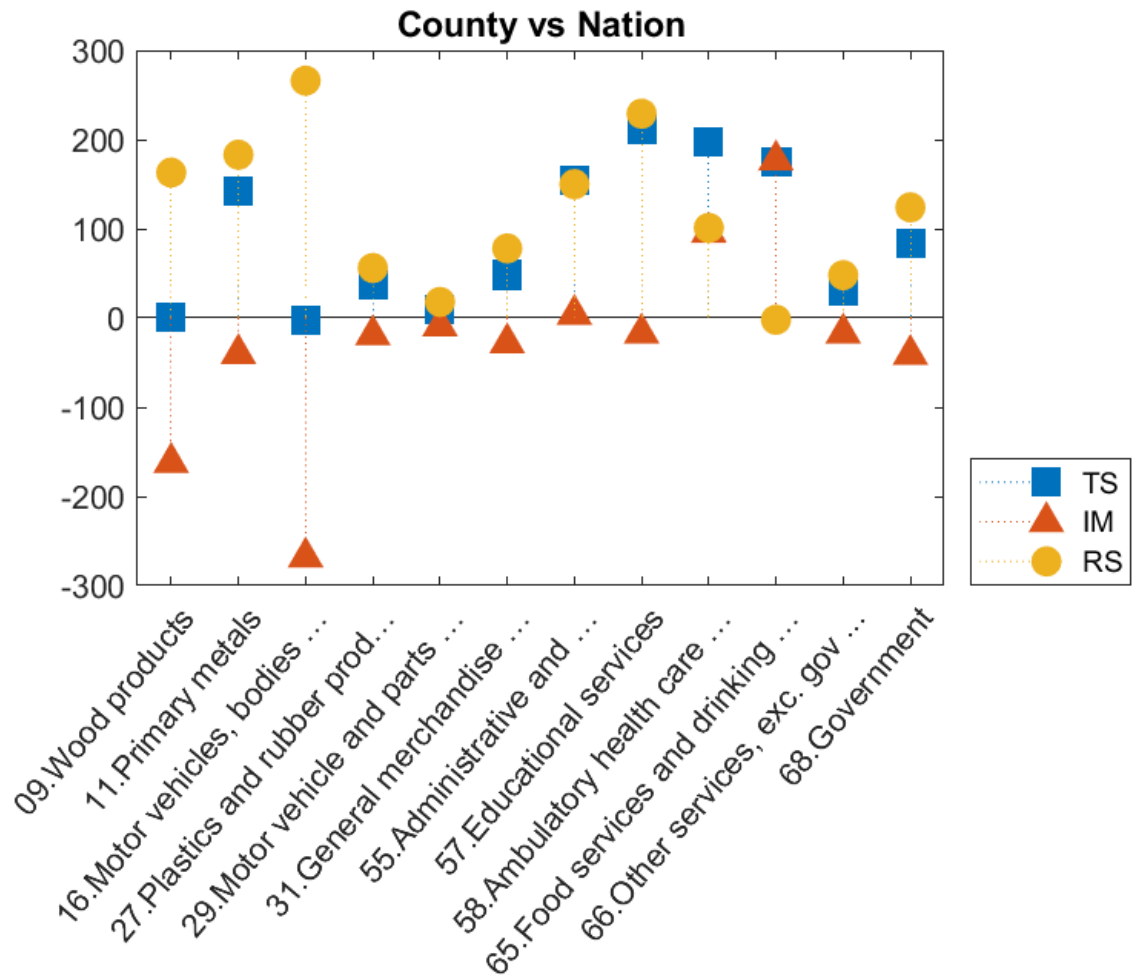
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Monroe County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Monroe County, Tennessee vs the U.S.

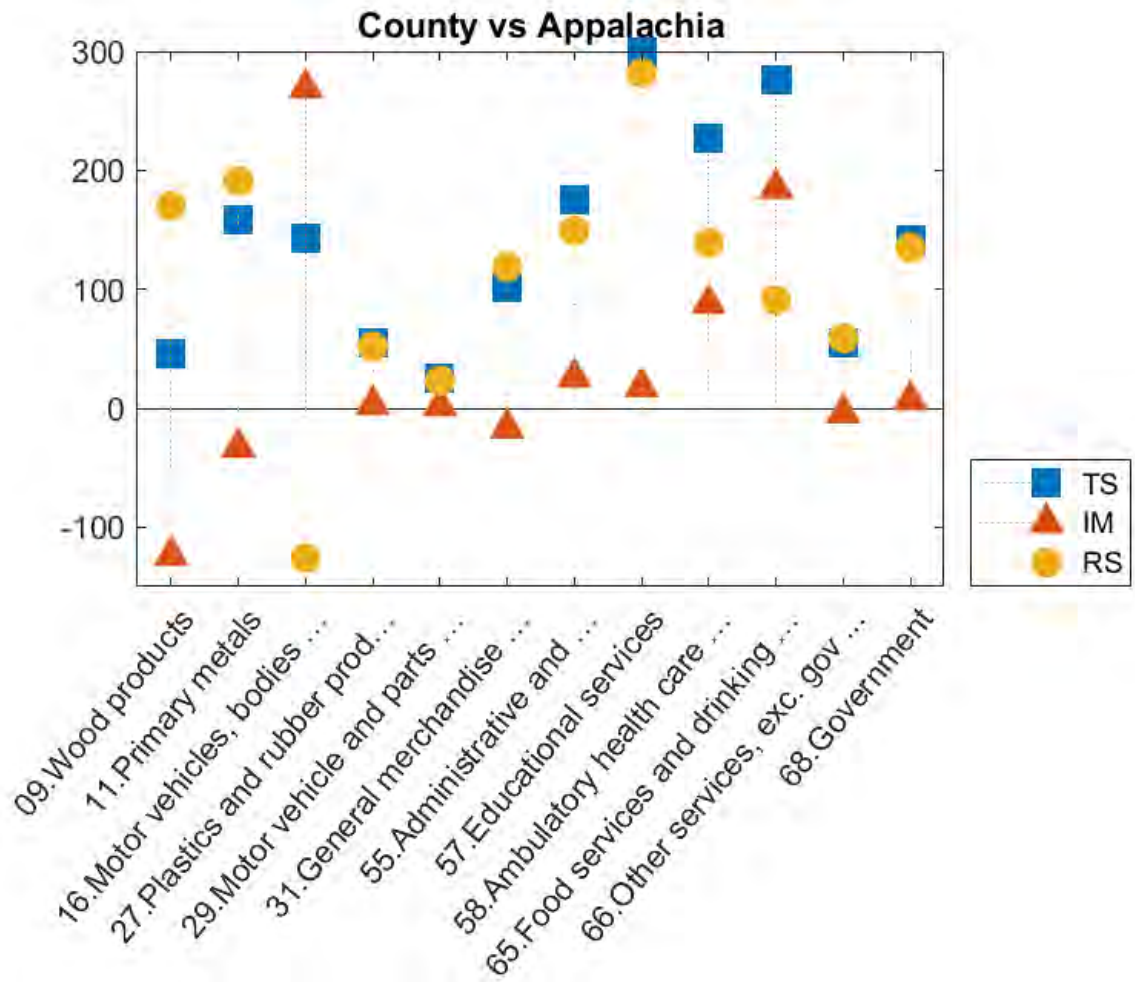


Chapter 34. Monroe County, Tennessee

Monroe County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	47	1	-162	163	462
11	Primary metals	15	143	-40	183	294
16	Motor vehicles, bodies ...	149	-2	-268	266	1,473
27	Plastics and rubber prod...	19	37	-19	56	229
29	Motor vehicle and parts ...	17	9	-9	18	179
31	General merchandise ...	54	50	-28	78	587
55	Administrative and ...	22	154	4	150	369
57	Educational services	91	212	-17	229	1,110
58	Ambulatory health care ...	31	197	96	101	501
65	Food services and drinking ...	105	175	177	-2	1,206
66	Other services, exc. gov ...	25	31	-17	48	276
68	Government	61	83	-41	124	681

Selected SSA Components for Monroe County, Tennessee vs the Appalachian Region

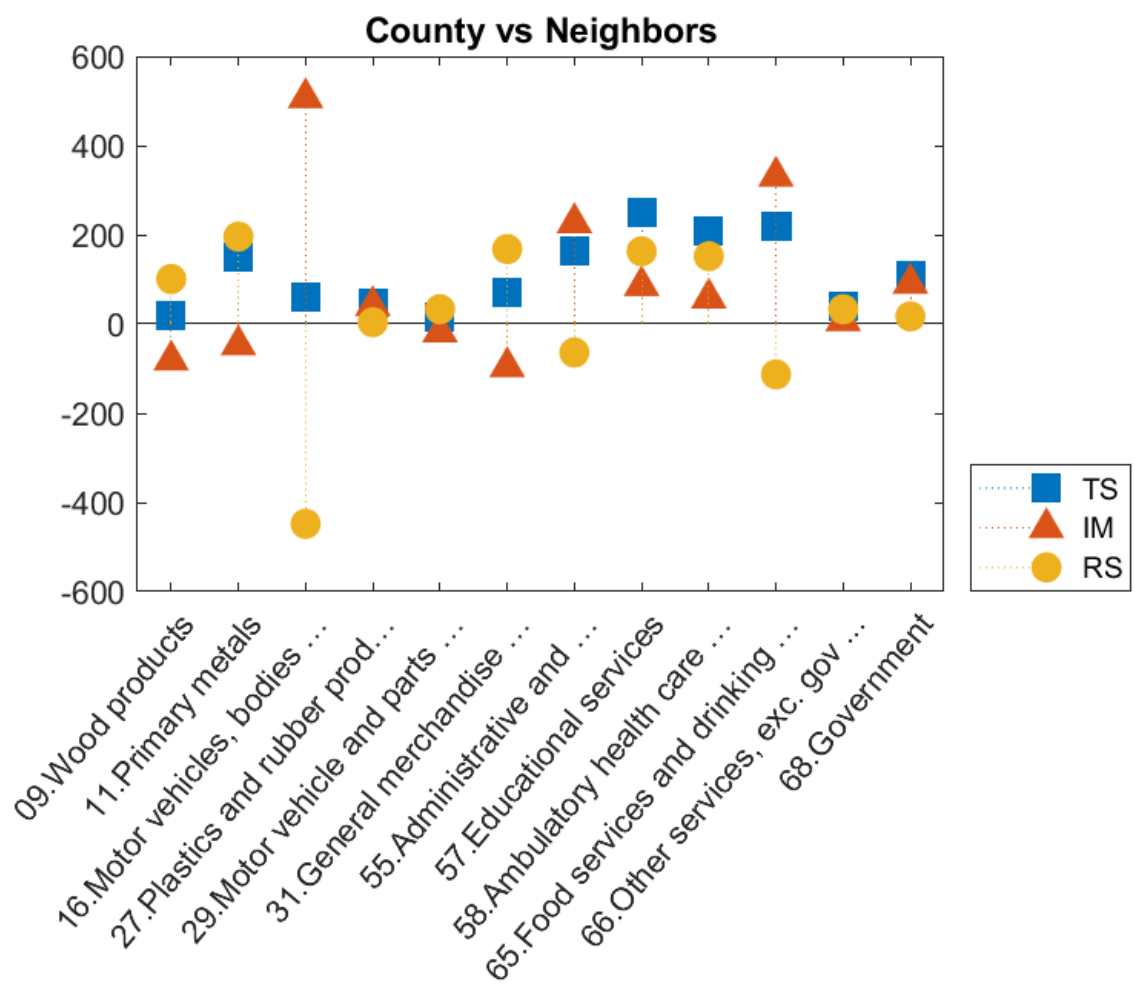


Chapter 34. Monroe County, Tennessee

Selected SSA Components for Monroe County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	1	46	-124	170	462
11	Primary metals	0	158	-33	191	294
16	Motor vehicles, bodies ...	5	143	269	-126	1,473
27	Plastics and rubber prod...	1	55	3	52	229
29	Motor vehicle and parts ...	1	25	2	23	179
31	General merchandise ...	2	102	-17	119	587
55	Administrative and ...	1	175	26	149	369
57	Educational services	3	300	18	282	1,110
58	Ambulatory health care ...	1	227	88	139	501
65	Food services and drinking ...	3	276	185	91	1,206
66	Other services, exc. gov ...	1	55	-4	59	276
68	Government	2	142	7	135	681

Selected SSA Components for Monroe County, Tennessee vs Neighbors



Chapter 34. Monroe County, Tennessee

Selected SSA Components for Monroe County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	28	20	-81	101	462
11	Primary metals	9	149	-47	196	294
16	Motor vehicles, bodies ...	88	59	507	-448	1,473
27	Plastics and rubber prod...	12	45	41	4	229
29	Motor vehicle and parts ...	10	15	-18	33	179
31	General merchandise ...	32	72	-96	168	587
55	Administrative and ...	13	163	227	-64	369
57	Educational services	54	249	86	163	1,110
58	Ambulatory health care ...	18	210	58	152	501
65	Food services and drinking ...	62	218	331	-113	1,206
66	Other services, exc. gov ...	15	40	7	33	276
68	Government	36	108	91	17	681

Chapter 35. Morgan County, Tennessee

Employment in Morgan County, Tennessee, declined from 2,576 in 2005 to 2,568 in 2018, for a change of -8, or -0.31%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Morgan County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	291	-297	24	-321
vs. Appalachia	6	-15	69	-84
vs. Neighbors	6	-13	-10	-3

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Morgan County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 35. Morgan County, Tennessee

Industry Group Membership for Morgan County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
02	Forestry, fishing, and ...	E I c i	no	yes	yes	yes
11	Primary metals	F III c iii	no	yes	yes	yes
15	Electrical equipment, ...	D III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
66	Other services, exc. gov ...	F III c ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Morgan County, Tennessee vs. the United States

Groups a, b, and c are from Morgan County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Morgan County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Morgan County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Morgan County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Morgan County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Morgan County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

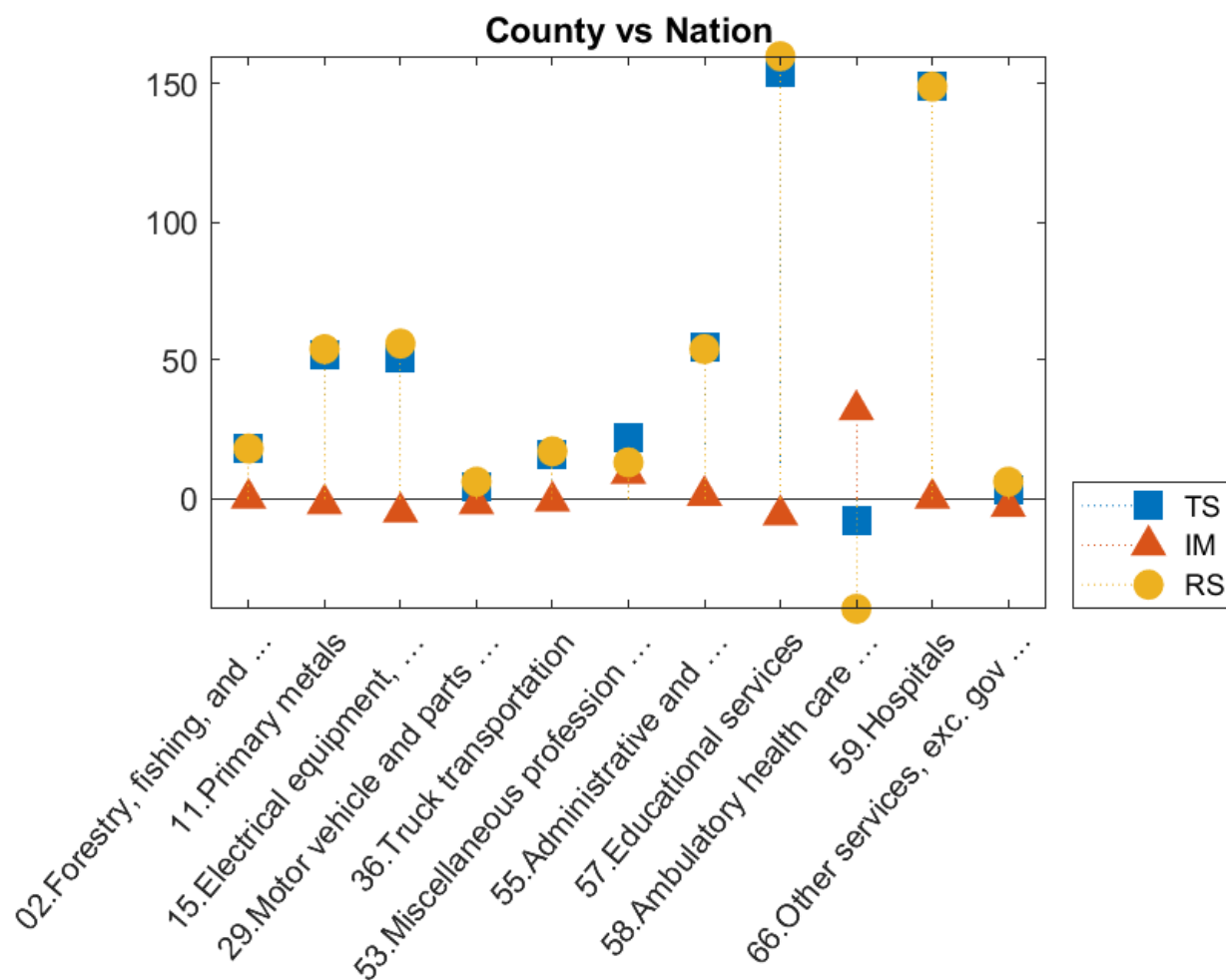
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Morgan County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Morgan County, Tennessee vs the U.S.

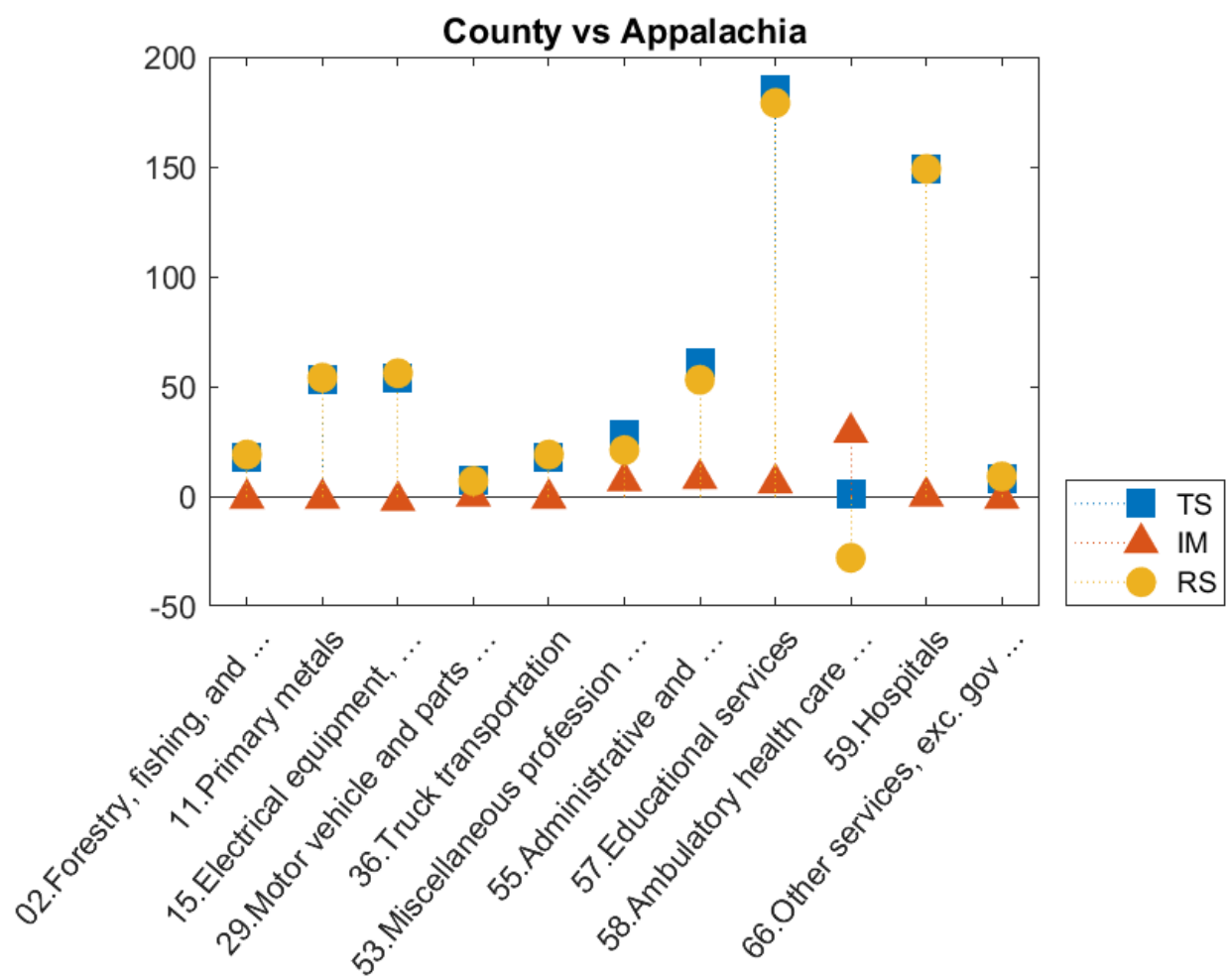


Chapter 35. Morgan County, Tennessee

Morgan County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	1	18	0	18	26
11	Primary metals	1	52	-2	54	59
15	Electrical equipment, ...	3	51	-5	56	82
29	Motor vehicle and parts ...	3	4	-2	6	32
36	Truck transportation	2	16	-1	17	36
53	Miscellaneous profession ...	6	22	9	13	79
55	Administrative and ...	6	55	1	54	117
57	Educational services	32	154	-6	160	466
58	Ambulatory health care ...	10	-8	32	-40	93
59	Hospitals	0	149	0	149	149
66	Other services, exc. gov ...	5	3	-3	6	52

Selected SSA Components for Morgan County, Tennessee vs the Appalachian Region

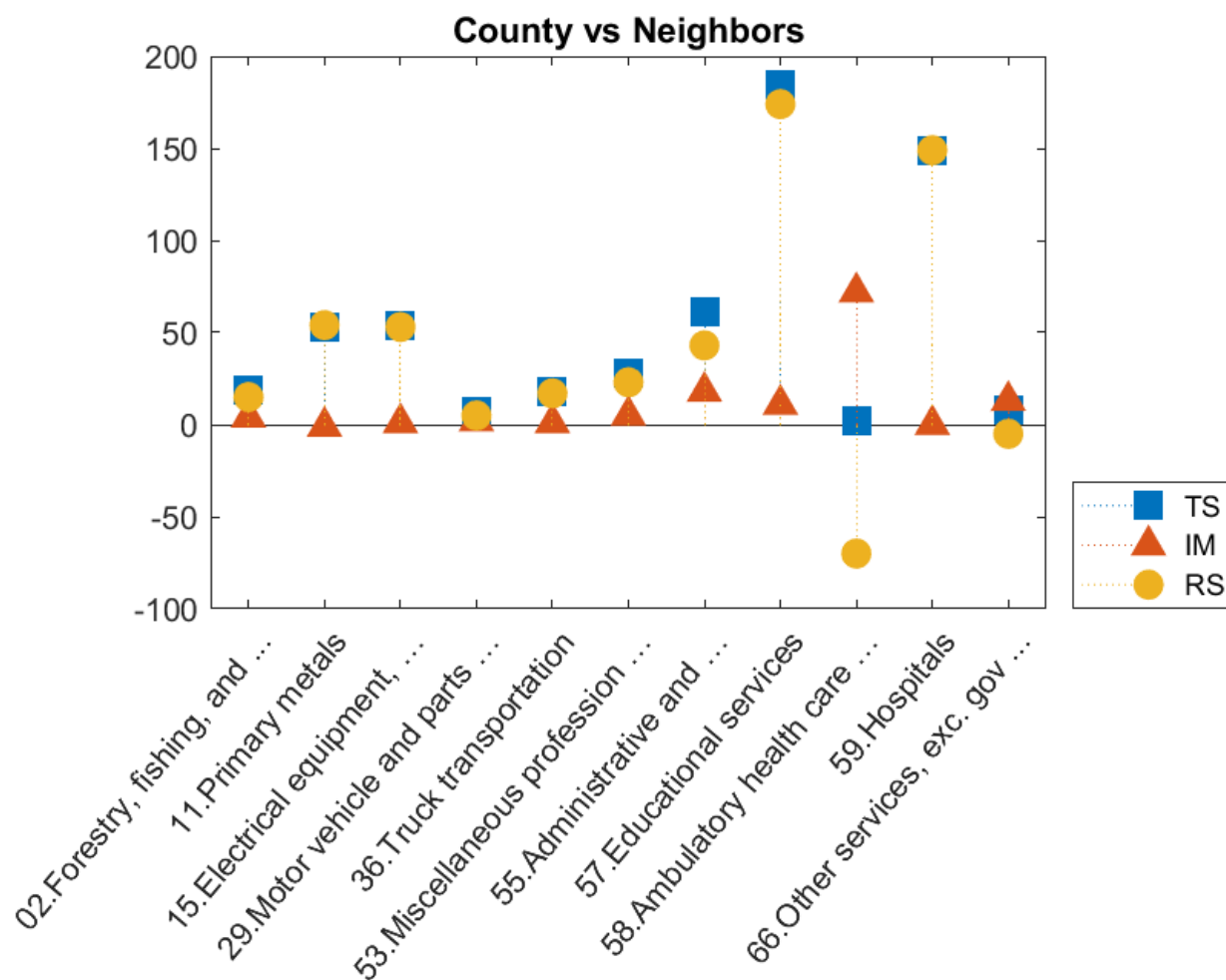


Chapter 35. Morgan County, Tennessee

Selected SSA Components for Morgan County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	18	-1	19	26
11	Primary metals	0	53	-1	54	59
15	Electrical equipment, ...	0	54	-2	56	82
29	Motor vehicle and parts ...	0	7	0	7	32
36	Truck transportation	0	18	-1	19	36
53	Miscellaneous profession ...	0	28	7	21	79
55	Administrative and ...	0	61	8	53	117
57	Educational services	1	185	6	179	466
58	Ambulatory health care ...	0	1	29	-28	93
59	Hospitals	0	149	0	149	149
66	Other services, exc. gov ...	0	8	-1	9	52

Selected SSA Components for Morgan County, Tennessee vs Neighbors



Chapter 35. Morgan County, Tennessee

Selected SSA Components for Morgan County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	19	4	15	26
11	Primary metals	0	53	-1	54	59
15	Electrical equipment, ...	0	54	1	53	82
29	Motor vehicle and parts ...	0	7	2	5	32
36	Truck transportation	0	18	1	17	36
53	Miscellaneous profession ...	0	28	5	23	79
55	Administrative and ...	0	61	18	43	117
57	Educational services	1	185	11	174	466
58	Ambulatory health care ...	0	2	72	-70	93
59	Hospitals	0	149	0	149	149
66	Other services, exc. gov ...	0	8	13	-5	52

Chapter 36. Overton County, Tennessee

Employment in Overton County, Tennessee, grew from 4,580 in 2005 to 5,069 in 2018, for a change of 489, or 10.68%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Overton County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	520	-25	-203	178
vs. Appalachia	11	472	60	412
vs. Neighbors	174	310	-183	493

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Overton County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 36. Overton County, Tennessee

Industry Group Membership for Overton County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F I a i	no	yes	yes	yes
05	Mining, except coal, oil ...	F III c iii	no	yes	yes	yes
08	Construction	F III c i	no	yes	yes	yes
09	Wood products	F III c iii	no	yes	yes	yes
13	Machinery	F III c i	no	yes	yes	yes
20	Food and beverage ...	E I c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
28	Wholesale trade	F III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c ii	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a ii	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Overton County, Tennessee vs. the United States

Groups a, b, and c are from Overton County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Overton County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Overton County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Overton County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Overton County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Overton County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

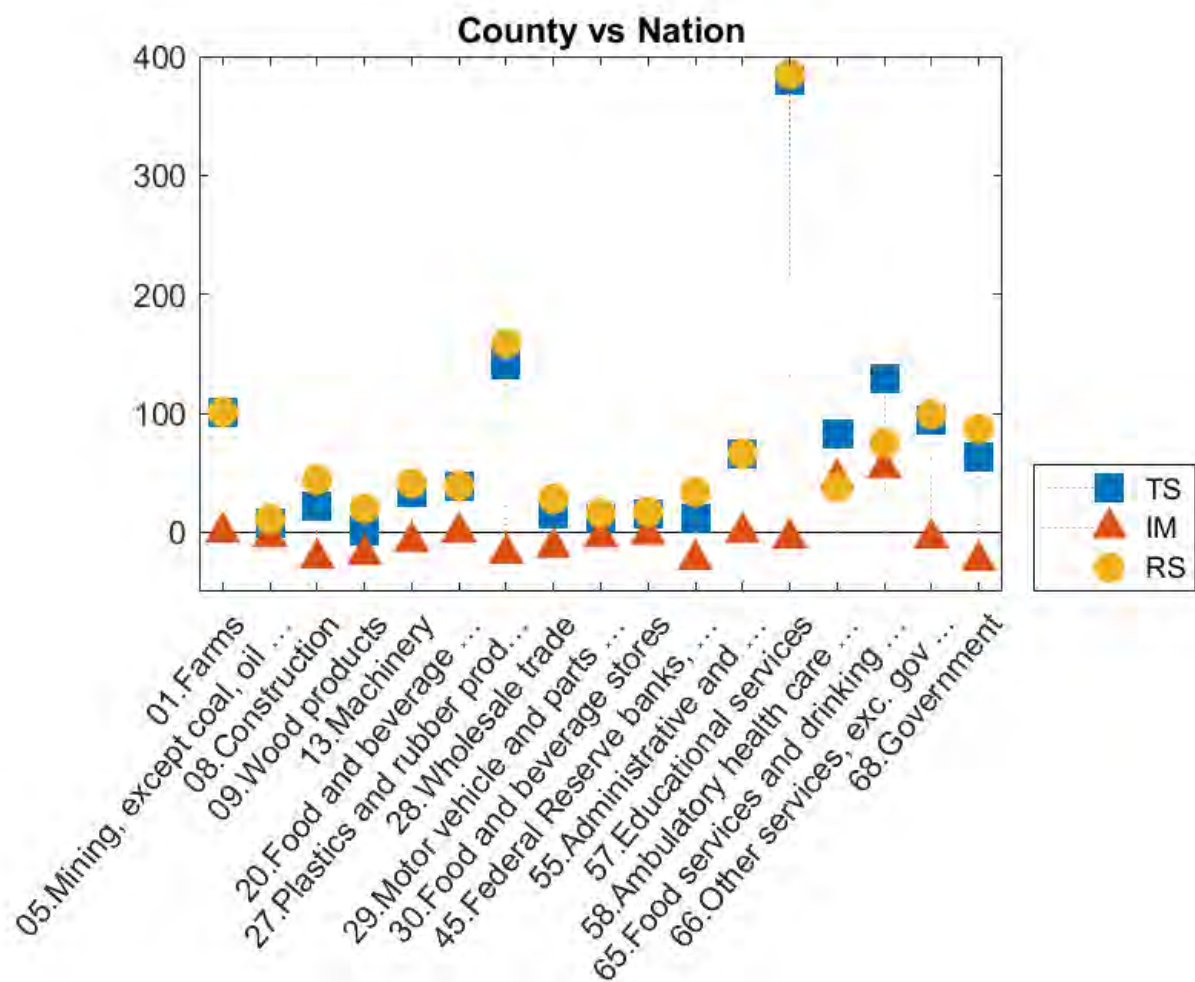
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Overton County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Overton County, Tennessee vs the U.S.

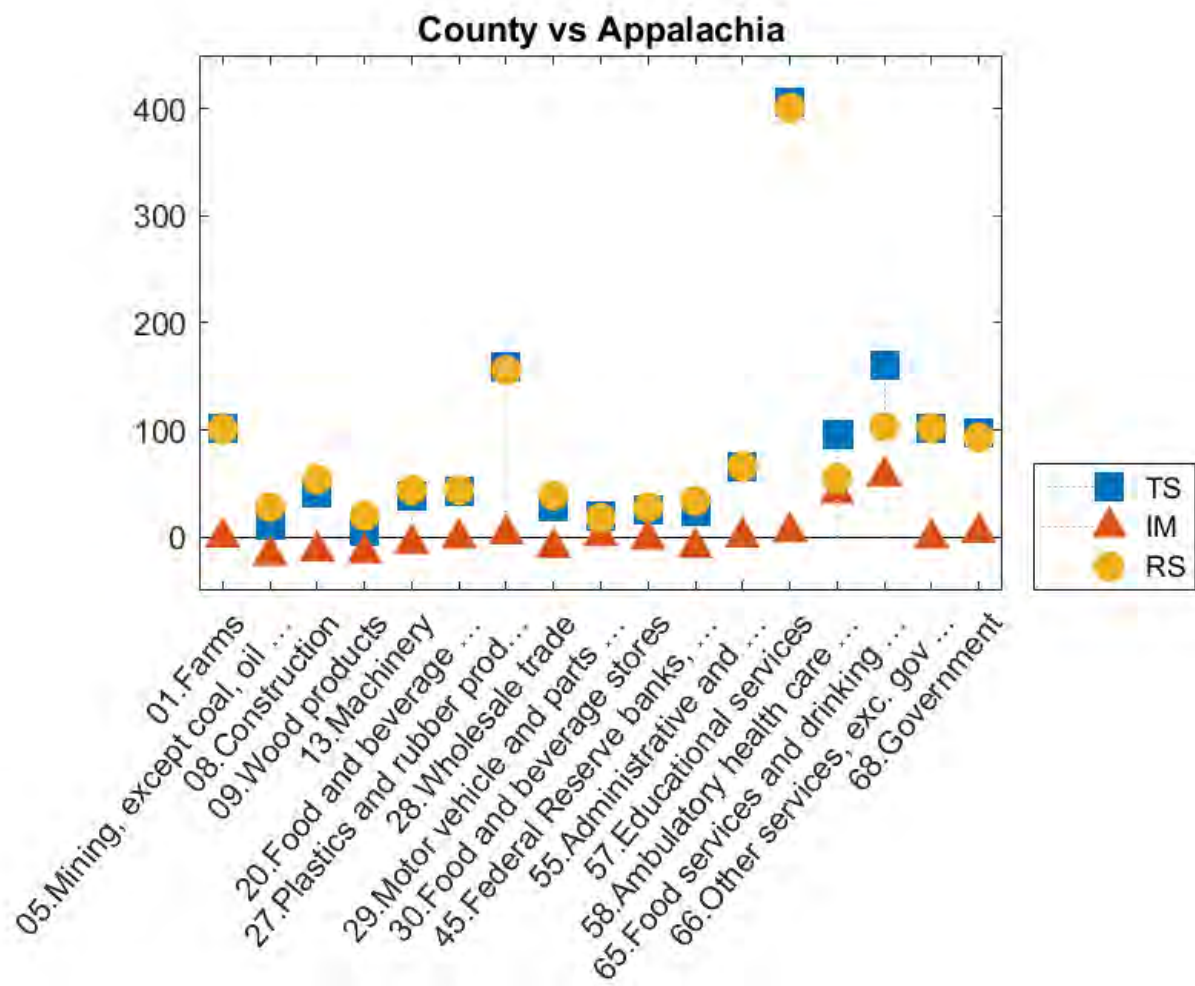


Chapter 36. Overton County, Tennessee

Overton County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	101	-0	101	108
05	Mining, except coal, oil ...	5	7	-4	11	53
08	Construction	20	22	-22	44	221
09	Wood products	6	1	-19	20	55
13	Machinery	5	33	-8	41	86
20	Food and beverage ...	3	39	0	39	72
27	Plastics and rubber prod...	18	141	-18	159	320
28	Wholesale trade	15	15	-13	28	163
29	Motor vehicle and parts ...	7	12	-4	16	78
30	Food and beverage stores	12	15	-2	17	128
45	Federal Reserve banks, ...	13	11	-23	34	141
55	Administrative and ...	0	66	0	66	68
57	Educational services	27	380	-5	385	648
58	Ambulatory health care ...	14	83	45	38	225
65	Food services and drinking ...	32	129	54	75	444
66	Other services, exc. gov ...	7	94	-5	99	165
68	Government	36	63	-24	87	420

Selected SSA Components for Overton County, Tennessee vs the Appalachian Region

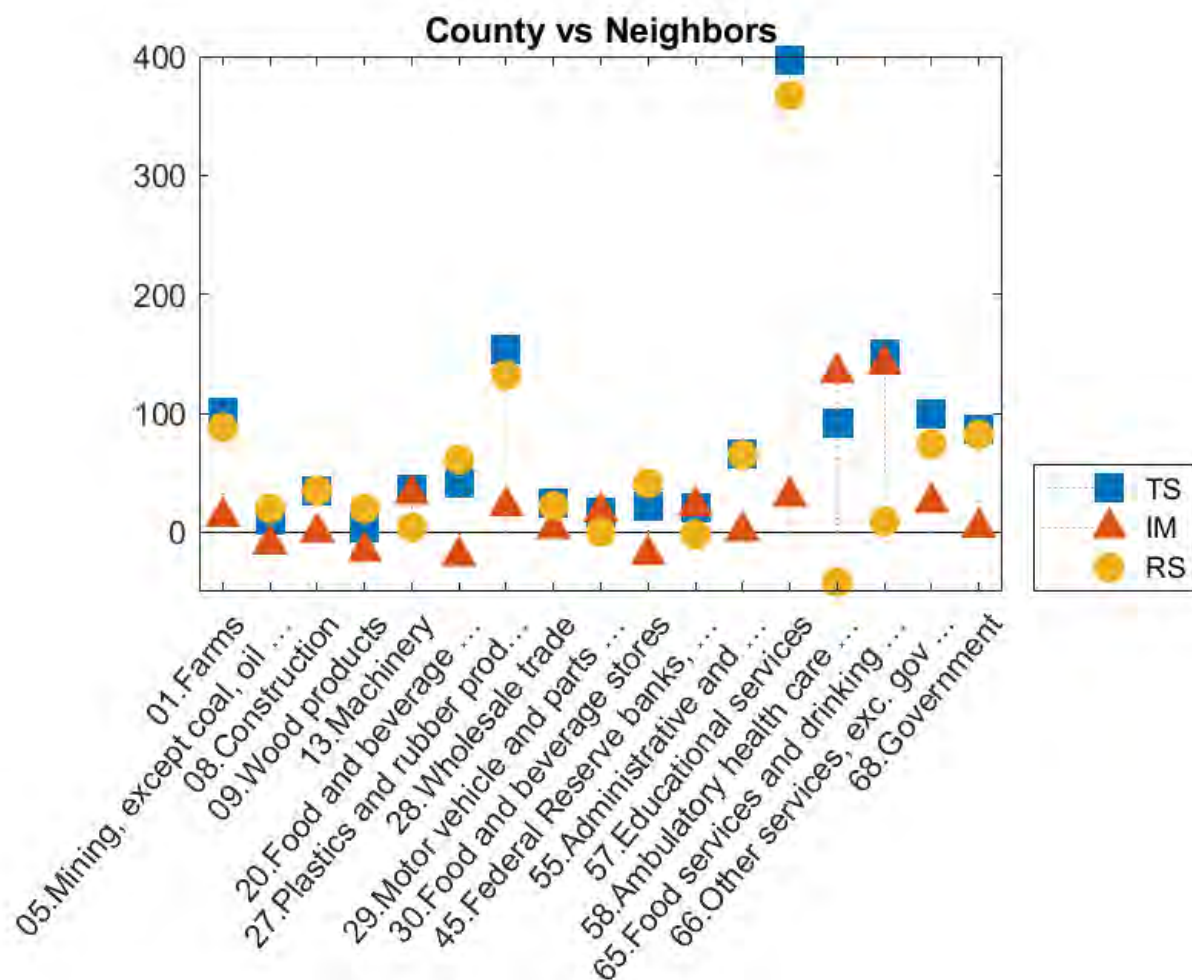


Chapter 36. Overton County, Tennessee

Selected SSA Components for Overton County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	101	0	101	108
05	Mining, except coal, oil ...	0	11	-17	28	53
08	Construction	1	41	-13	54	221
09	Wood products	0	5	-15	20	55
13	Machinery	0	38	-6	44	86
20	Food and beverage ...	0	43	-1	44	72
27	Plastics and rubber prod...	1	159	3	156	320
28	Wholesale trade	0	29	-10	39	163
29	Motor vehicle and parts ...	0	19	1	18	78
30	Food and beverage stores	0	26	-2	28	128
45	Federal Reserve banks, ...	0	24	-10	34	141
55	Administrative and ...	0	66	0	66	68
57	Educational services	1	406	5	401	648
58	Ambulatory health care ...	0	96	41	55	225
65	Food services and drinking ...	1	160	57	103	444
66	Other services, exc. gov ...	0	101	-1	102	165
68	Government	1	97	4	93	420

Selected SSA Components for Overton County, Tennessee vs Neighbors



Chapter 36. Overton County, Tennessee

Selected SSA Components for Overton County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	101	13	88	108
05	Mining, except coal, oil ...	2	10	-10	20	53
08	Construction	7	35	0	35	221
09	Wood products	2	4	-16	20	55
13	Machinery	2	36	32	4	86
20	Food and beverage ...	1	41	-20	61	72
27	Plastics and rubber prod...	6	154	22	132	320
28	Wholesale trade	5	25	3	22	163
29	Motor vehicle and parts ...	2	17	17	-0	78
30	Food and beverage stores	4	22	-19	41	128
45	Federal Reserve banks, ...	5	20	22	-2	141
55	Administrative and ...	0	66	1	65	68
57	Educational services	9	397	30	367	648
58	Ambulatory health care ...	5	92	134	-42	225
65	Food services and drinking ...	11	150	141	9	444
66	Other services, exc. gov ...	2	99	25	74	165
68	Government	12	86	4	82	420

Chapter 37. Pickett County, Tennessee

Employment in Pickett County, Tennessee, declined from 1,816 in 2005 to 1,118 in 2018, for a change of -698, or -38.44%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Pickett County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	206	-905	-118	-787
vs. Appalachia	4	-704	-18	-686
vs. Neighbors	-174	-522	83	-605

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Pickett County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 37. Pickett County, Tennessee

Industry Group Membership for Pickett County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
13	Machinery	F III c i	no	yes	yes	yes
28	Wholesale trade	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
60	Nursing and residential ...	E II a iii	no	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Pickett County, Tennessee vs. the United States

Groups a, b, and c are from Pickett County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Pickett County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Pickett County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Pickett County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Pickett County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Pickett County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

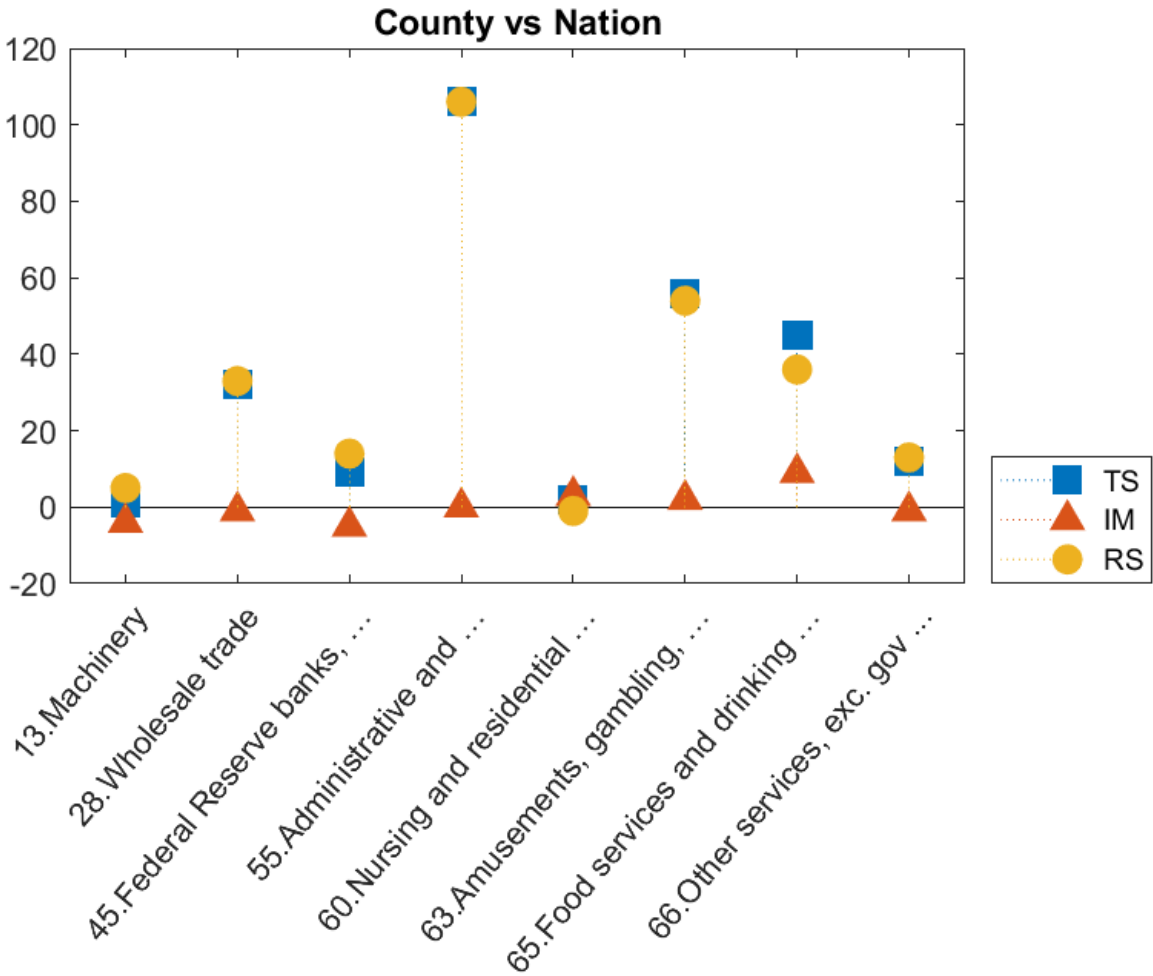
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Pickett County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Pickett County, Tennessee vs the U.S.

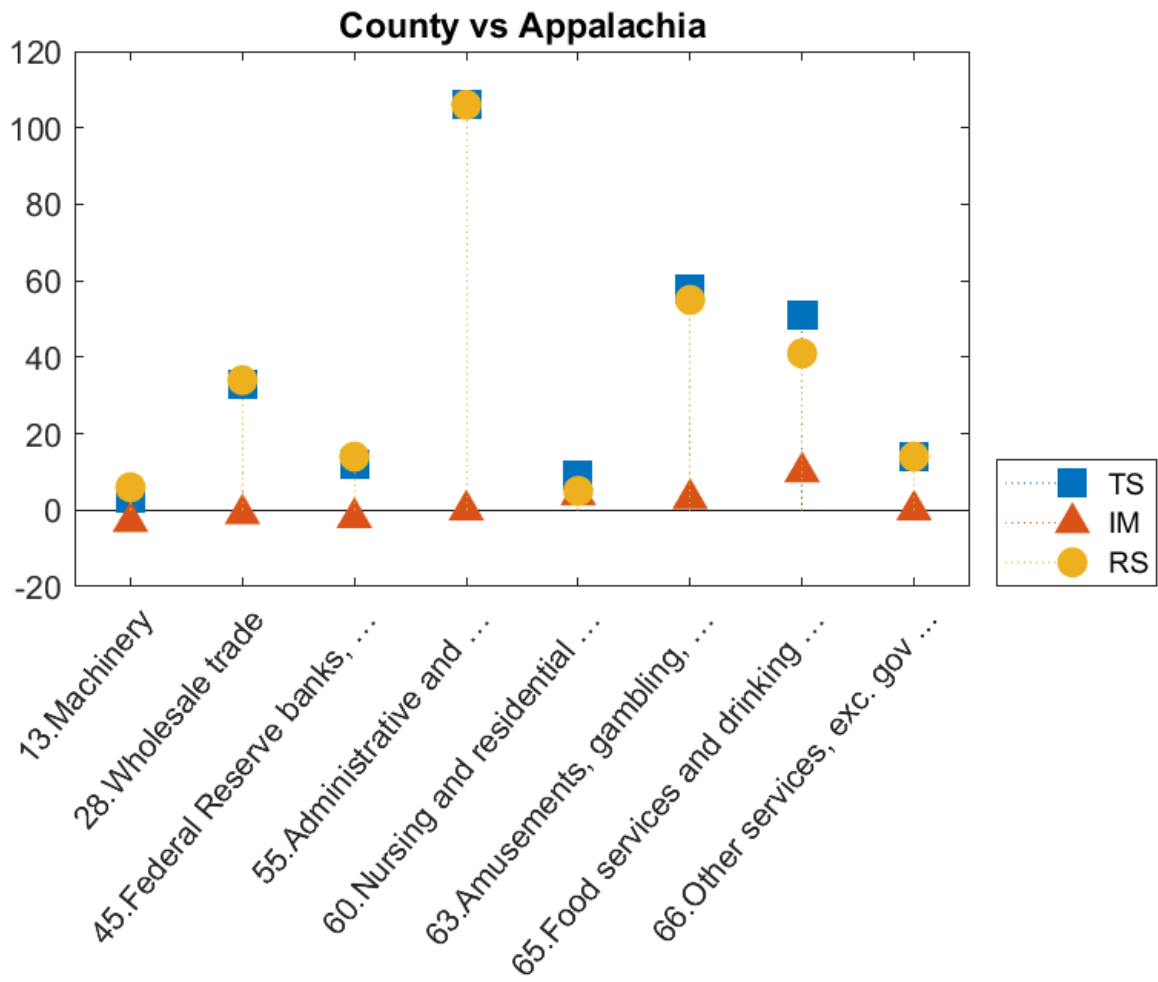


Chapter 37. Pickett County, Tennessee

Pickett County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	3	1	-4	5	27
28	Wholesale trade	2	32	-1	33	47
45	Federal Reserve banks, ...	3	9	-5	14	38
55	Administrative and ...	0	106	0	106	106
60	Nursing and residential ...	7	2	3	-1	71
63	Amusements, gambling, ...	3	56	2	54	81
65	Food services and drinking ...	6	45	9	36	100
66	Other services, exc. gov ...	2	12	-1	13	27

Selected SSA Components for Pickett County, Tennessee vs the Appalachian Region

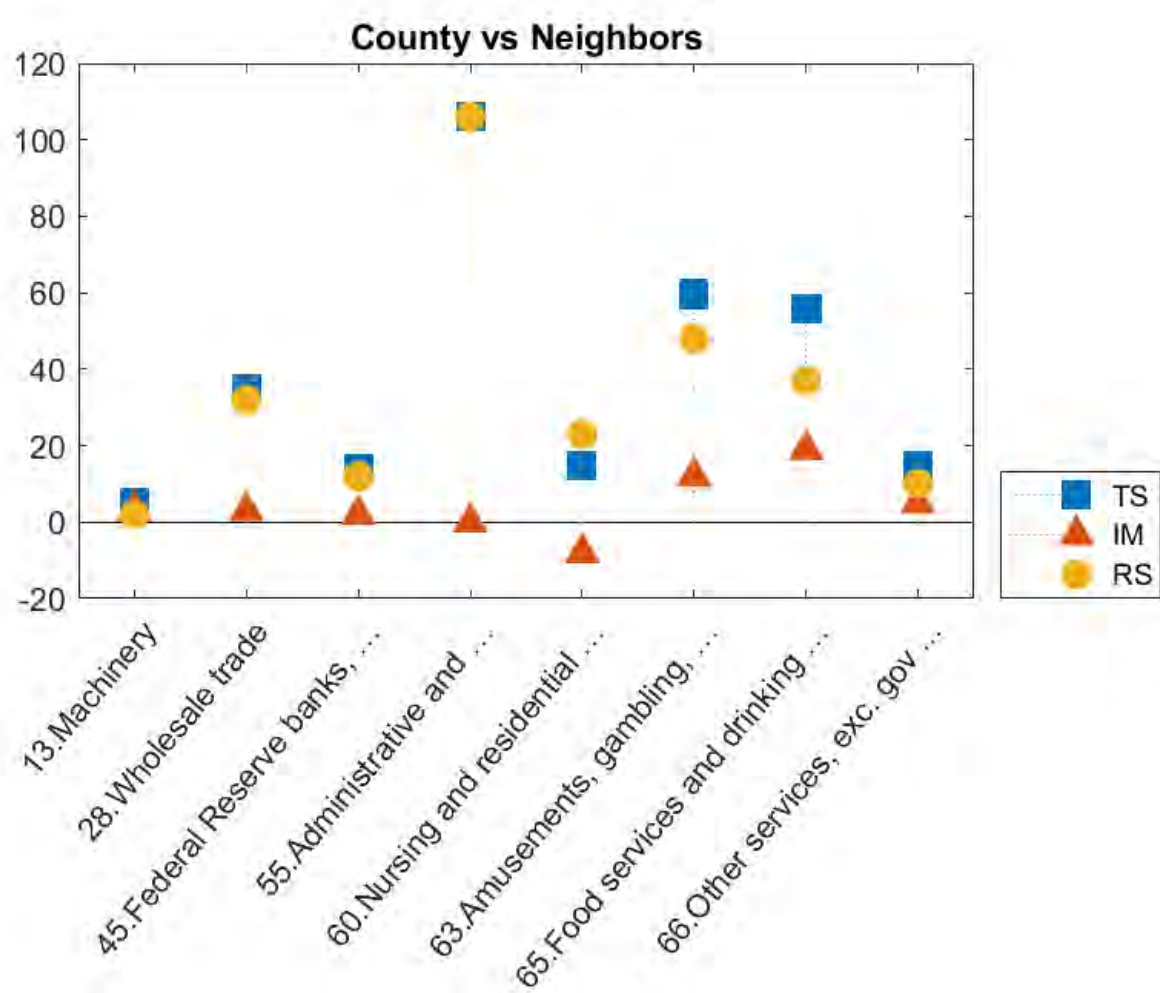


Chapter 37. Pickett County, Tennessee

Selected SSA Components for Pickett County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	0	3	-3	6	27
28	Wholesale trade	0	33	-1	34	47
45	Federal Reserve banks, ...	0	12	-2	14	38
55	Administrative and ...	0	106	0	106	106
60	Nursing and residential ...	0	9	4	5	71
63	Amusements, gambling, ...	0	58	3	55	81
65	Food services and drinking ...	0	51	10	41	100
66	Other services, exc. gov ...	0	14	-0	14	27

Selected SSA Components for Pickett County, Tennessee vs Neighbors



Chapter 37. Pickett County, Tennessee

Selected SSA Components for Pickett County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	-2	5	3	2	27
28	Wholesale trade	-1	35	3	32	47
45	Federal Reserve banks, ...	-3	14	2	12	38
55	Administrative and ...	-0	106	0	106	106
60	Nursing and residential ...	-6	15	-8	23	71
63	Amusements, gambling, ...	-2	60	12	48	81
65	Food services and drinking ...	-5	56	19	37	100
66	Other services, exc. gov ...	-1	15	5	10	27

Chapter 38. Polk County, Tennessee

Employment in Polk County, Tennessee, declined from 2,844 in 2005 to 2,307 in 2018, for a change of -537, or -18.88%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Polk County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	322	-856	-47	-809
vs. Appalachia	6	-542	49	-591
vs. Neighbors	-27	-500	157	-657

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Polk County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 38. Polk County, Tennessee

Industry Group Membership for Polk County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
19	Miscellaneous manufac ...	F III c iii	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Polk County, Tennessee vs. the United States

Groups a, b, and c are from Polk County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Polk County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Polk County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Polk County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Polk County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Polk County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

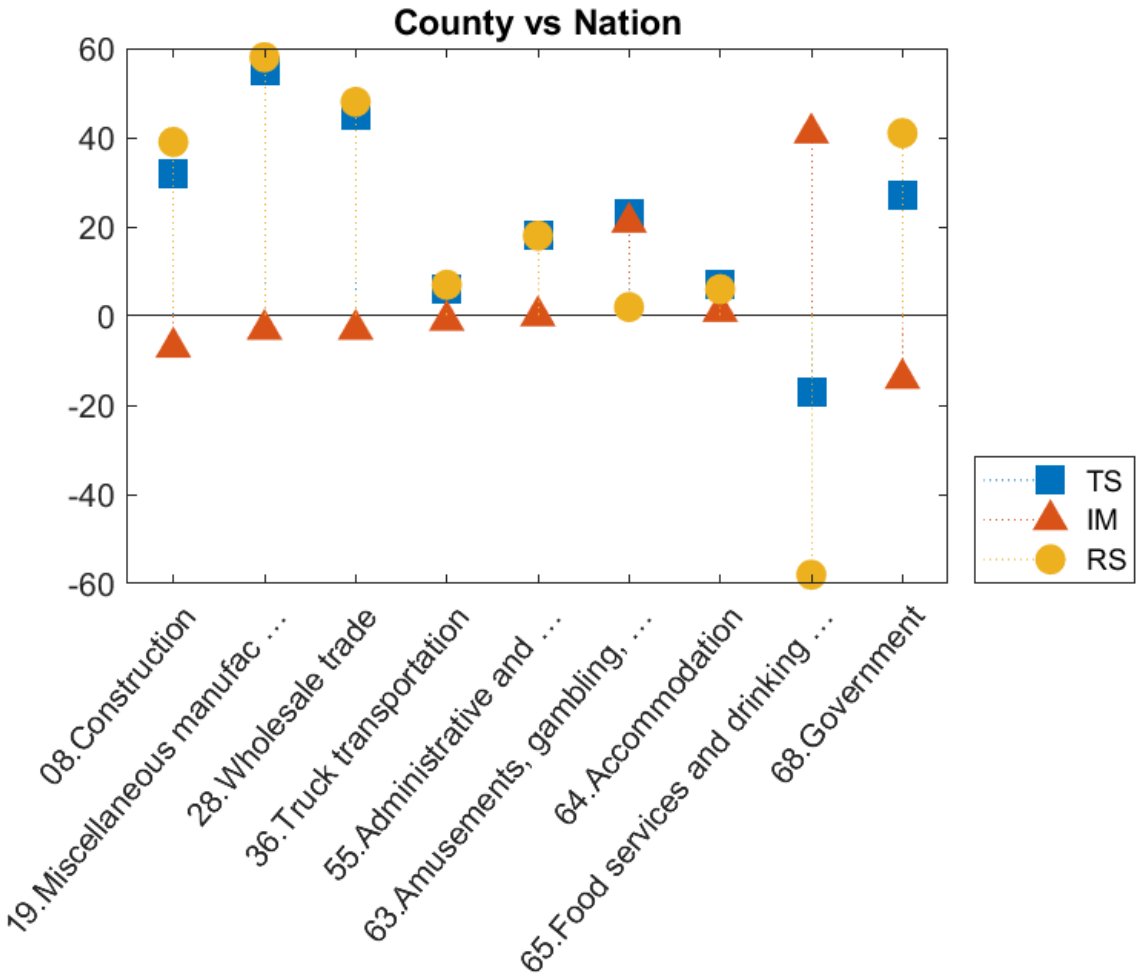
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Polk County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Polk County, Tennessee vs the U.S.

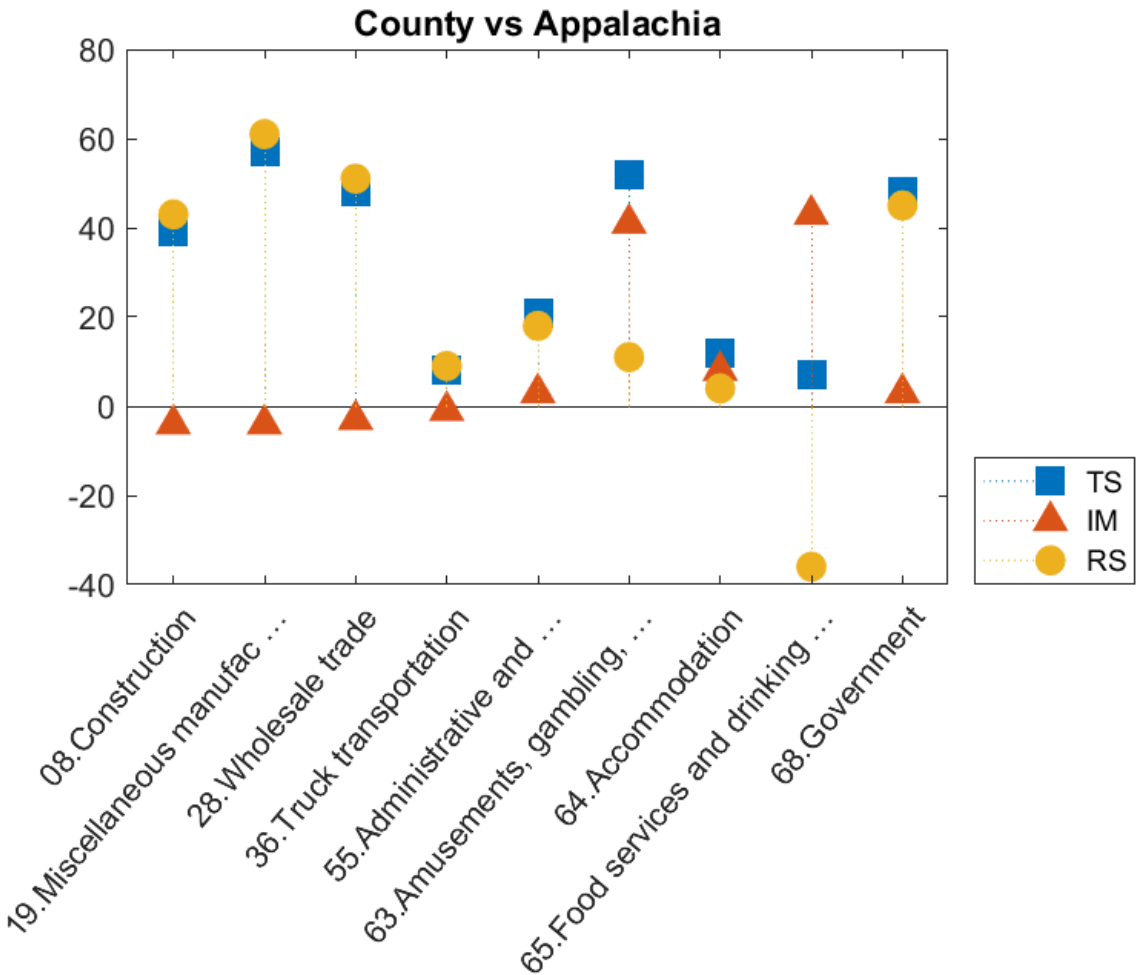


Chapter 38. Polk County, Tennessee

Polk County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	6	32	-7	39	96
19	Miscellaneous manufac ...	2	55	-3	58	78
28	Wholesale trade	4	45	-3	48	85
36	Truck transportation	2	6	-1	7	24
55	Administrative and ...	3	18	0	18	44
63	Amusements, gambling, ...	30	23	21	2	321
64	Accommodation	5	7	1	6	53
65	Food services and drinking ...	24	-17	41	-58	221
68	Government	21	27	-14	41	237

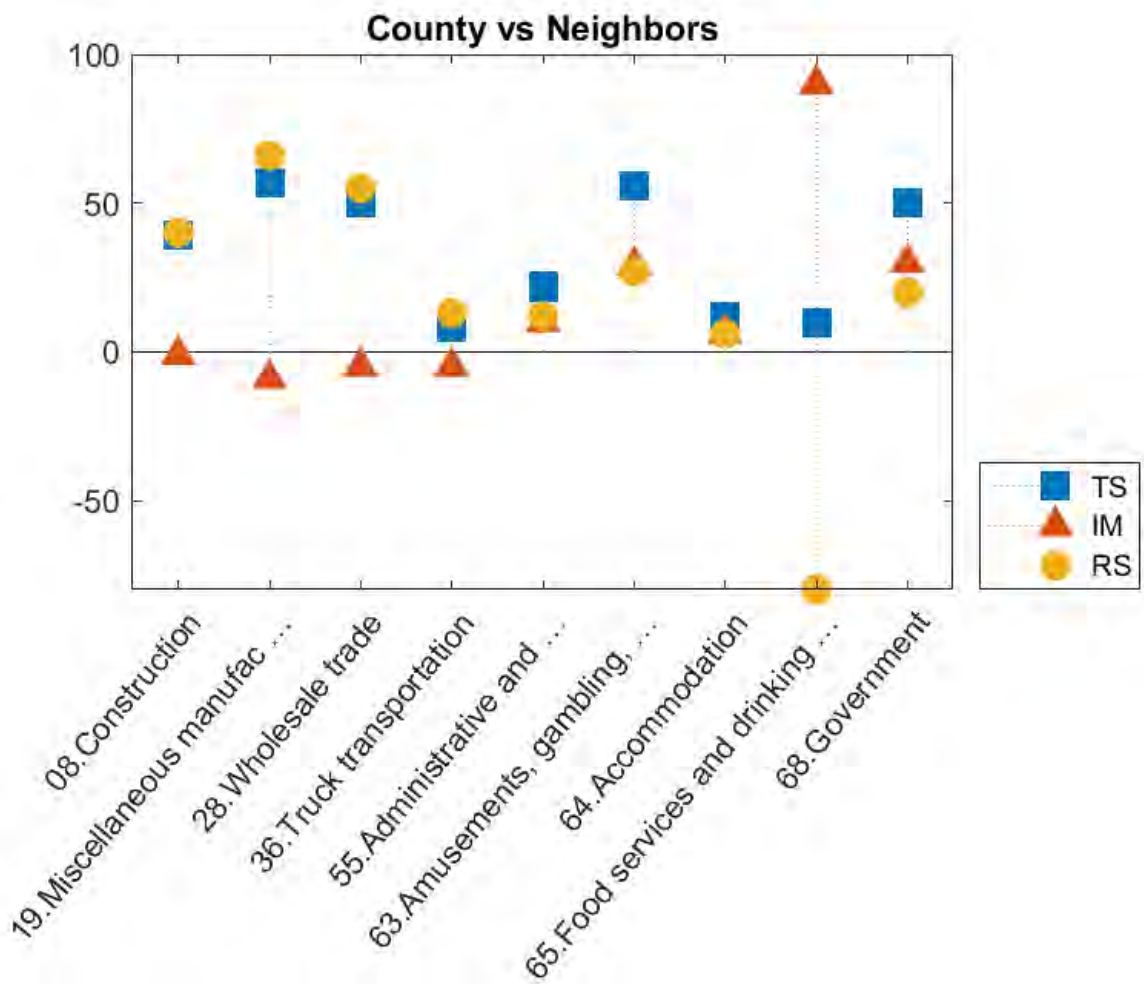
Selected SSA Components for Polk County, Tennessee vs the Appalachian Region



Selected SSA Components for Polk County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	0	39	-4	43	96
19	Miscellaneous manufac ...	0	57	-4	61	78
28	Wholesale trade	0	48	-3	51	85
36	Truck transportation	0	8	-1	9	24
55	Administrative and ...	0	21	3	18	44
63	Amusements, gambling, ...	1	52	41	11	321
64	Accommodation	0	12	8	4	53
65	Food services and drinking ...	1	7	43	-36	221
68	Government	1	48	3	45	237

Selected SSA Components for Polk County, Tennessee vs Neighbors



**Selected SSA Components for Polk County, Tennessee vs Neighbors for
Selected Industries**

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-1	39	-1	40	96
19	Miscellaneous manufac ...	-0	57	-9	66	78
28	Wholesale trade	-0	50	-5	55	85
36	Truck transportation	-0	8	-5	13	24
55	Administrative and ...	-0	22	10	12	44
63	Amusements, gambling, ...	-3	56	29	27	321
64	Accommodation	-0	12	6	6	53
65	Food services and drinking ...	-2	10	90	-80	221
68	Government	-2	50	30	20	237

Chapter 39. Putnam County, Tennessee

Employment in Putnam County, Tennessee, grew from 32,857 in 2005 to 36,676 in 2018, for a change of 3,819, or 11.62%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Putnam County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	3,708	118	619	-501
vs. Appalachia	107	3,705	839	2,866
vs. Neighbors	572	3,248	24	3,224

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Putnam County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 39. Putnam County, Tennessee

Industry Group Membership for Putnam County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
13	Machinery	F III c i	no	yes	yes	yes
15	Electrical equipment, ...	D III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B V b iii	yes	no	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a ii	yes	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
61	Social assistance	B II a iii	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c ii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Putnam County, Tennessee vs. the United States

Groups a, b, and c are from Putnam County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Putnam County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Putnam County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Putnam County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Putnam County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Putnam County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

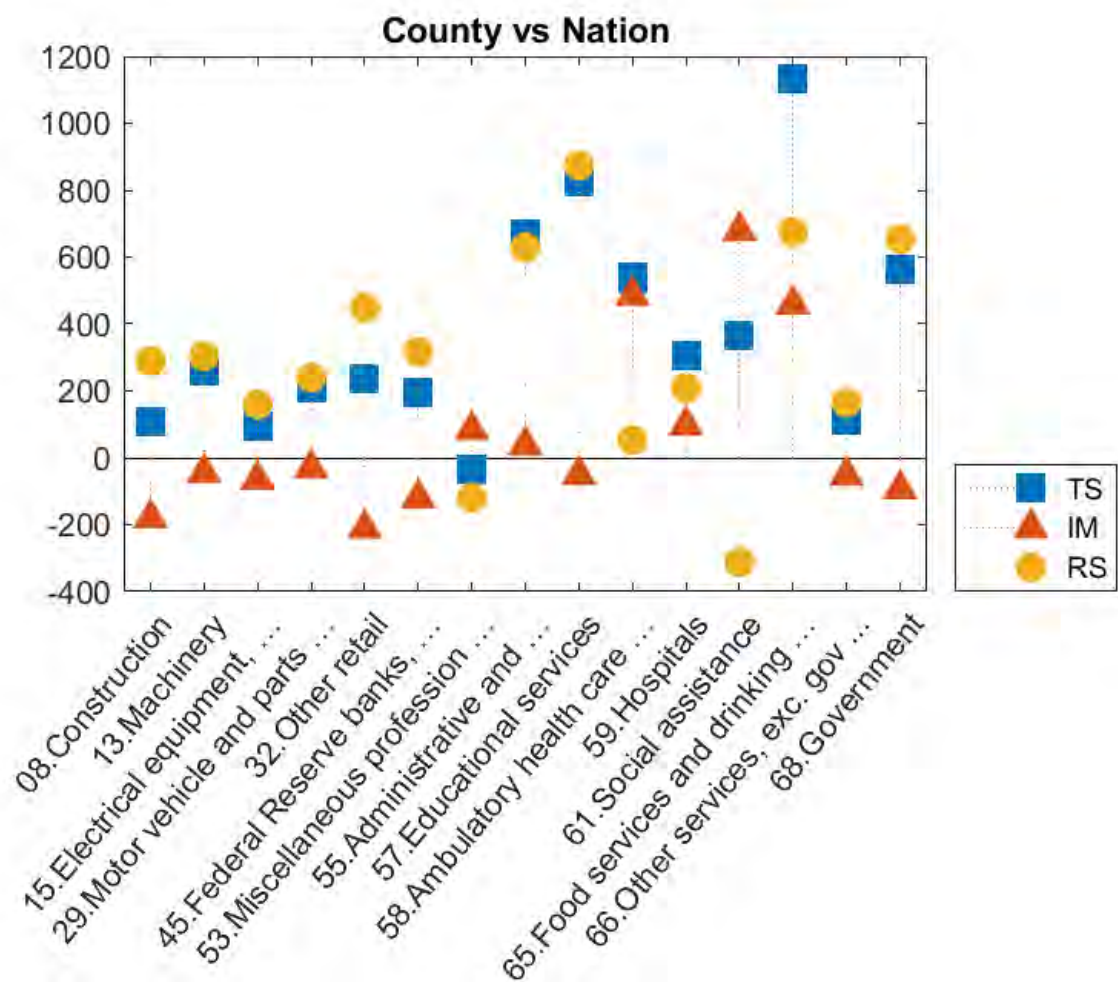
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Putnam County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Putnam County, Tennessee vs the U.S.

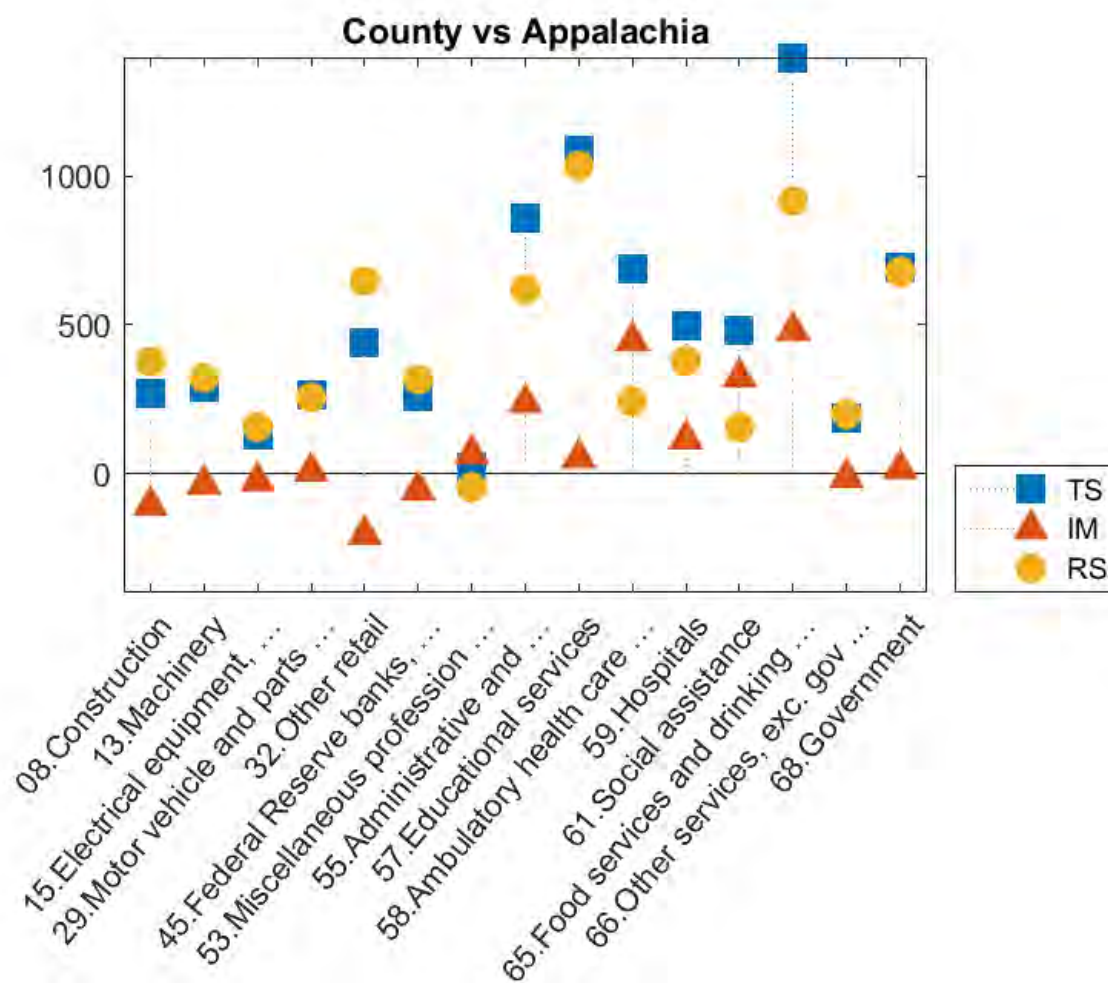


Chapter 39. Putnam County, Tennessee

Putnam County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	167	109	-180	289	1,761
13	Machinery	31	259	-45	304	561
15	Electrical equipment, ...	37	95	-65	160	461
29	Motor vehicle and parts ...	56	209	-31	240	762
32	Other retail	212	237	-211	448	2,328
45	Federal Reserve banks, ...	70	195	-121	316	886
53	Miscellaneous profession ...	56	-35	84	-119	521
55	Administrative and ...	198	667	38	629	2,616
57	Educational services	275	823	-51	874	3,536
58	Ambulatory health care ...	156	538	485	53	2,076
59	Hospitals	196	306	97	209	2,241
61	Social assistance	117	367	679	-312	1,520
65	Food services and drinking ...	271	1,135	459	676	3,813
66	Other services, exc. gov ...	77	112	-53	165	876
68	Government	138	561	-93	654	1,926

Selected SSA Components for Putnam County, Tennessee vs the Appalachian Region

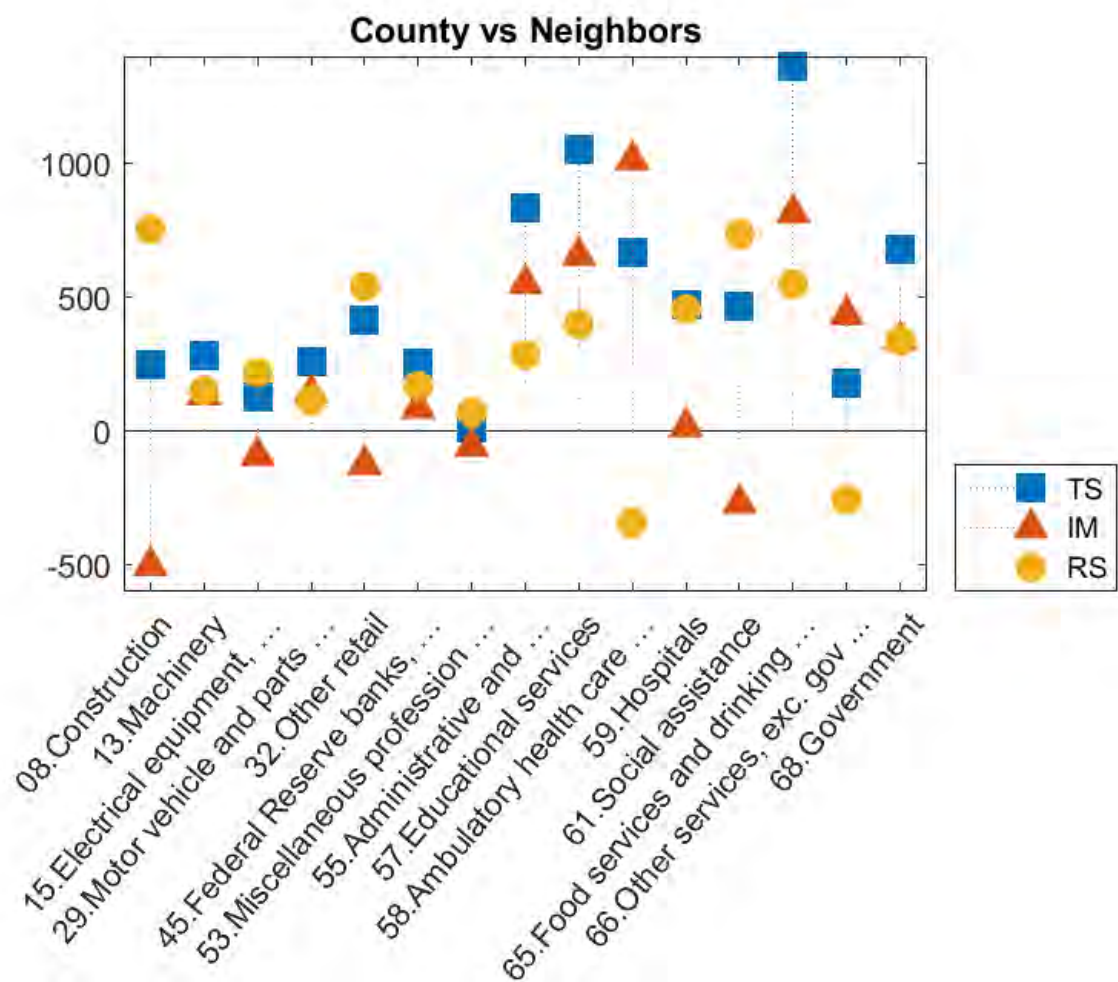


Chapter 39. Putnam County, Tennessee

Selected SSA Components for Putnam County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	5	271	-107	378	1,761
13	Machinery	1	288	-35	323	561
15	Electrical equipment, ...	1	132	-25	157	461
29	Motor vehicle and parts ...	2	264	8	256	762
32	Other retail	6	442	-205	647	2,328
45	Federal Reserve banks, ...	2	262	-55	317	886
53	Miscellaneous profession ...	2	21	67	-46	521
55	Administrative and ...	6	858	238	620	2,616
57	Educational services	8	1,089	53	1,036	3,536
58	Ambulatory health care ...	5	689	446	243	2,076
59	Hospitals	6	496	116	380	2,241
61	Social assistance	4	480	324	156	1,520
65	Food services and drinking ...	8	1,398	481	917	3,813
66	Other services, exc. gov ...	2	187	-13	200	876
68	Government	4	695	16	679	1,926

Selected SSA Components for Putnam County, Tennessee vs Neighbors



Chapter 39. Putnam County, Tennessee

Selected SSA Components for Putnam County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	26	250	-503	753	1,761
13	Machinery	5	284	134	150	561
15	Electrical equipment, ...	6	127	-92	219	461
29	Motor vehicle and parts ...	9	257	140	117	762
32	Other retail	33	416	-125	541	2,328
45	Federal Reserve banks, ...	11	254	85	169	886
53	Miscellaneous profession ...	9	13	-57	70	521
55	Administrative and ...	30	834	550	284	2,616
57	Educational services	42	1,055	656	399	3,536
58	Ambulatory health care ...	24	670	1,013	-343	2,076
59	Hospitals	30	471	16	455	2,241
61	Social assistance	18	466	-270	736	1,520
65	Food services and drinking ...	42	1,364	815	549	3,813
66	Other services, exc. gov ...	12	177	434	-257	876
68	Government	21	678	340	338	1,926

Chapter 40. Rhea County, Tennessee

Employment in Rhea County, Tennessee, declined from 11,176 in 2005 to 10,512 in 2018, for a change of -664, or -5.94%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Rhea County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,258	-1,925	-1,574	-351
vs. Appalachia	37	-705	-1,428	723
vs. Neighbors	65	-733	-975	242

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Rhea County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 40. Rhea County, Tennessee

Industry Group Membership for Rhea County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C I a i	yes	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B II a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B II a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
68	Government	F III a ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Rhea County, Tennessee vs. the United States

Groups a, b, and c are from Rhea County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Rhea County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Rhea County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Rhea County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Rhea County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Rhea County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

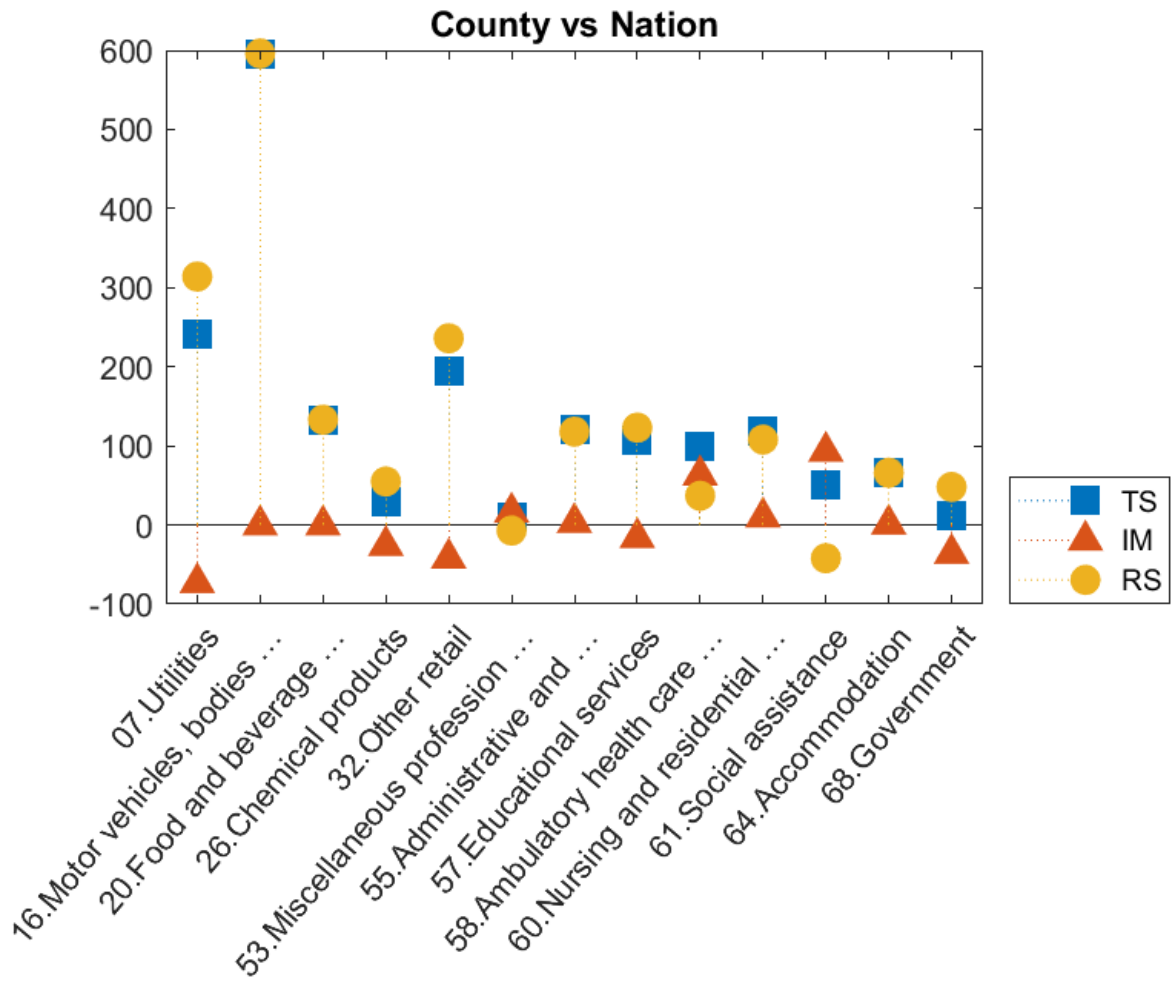
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Rhea County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Rhea County, Tennessee vs the U.S.

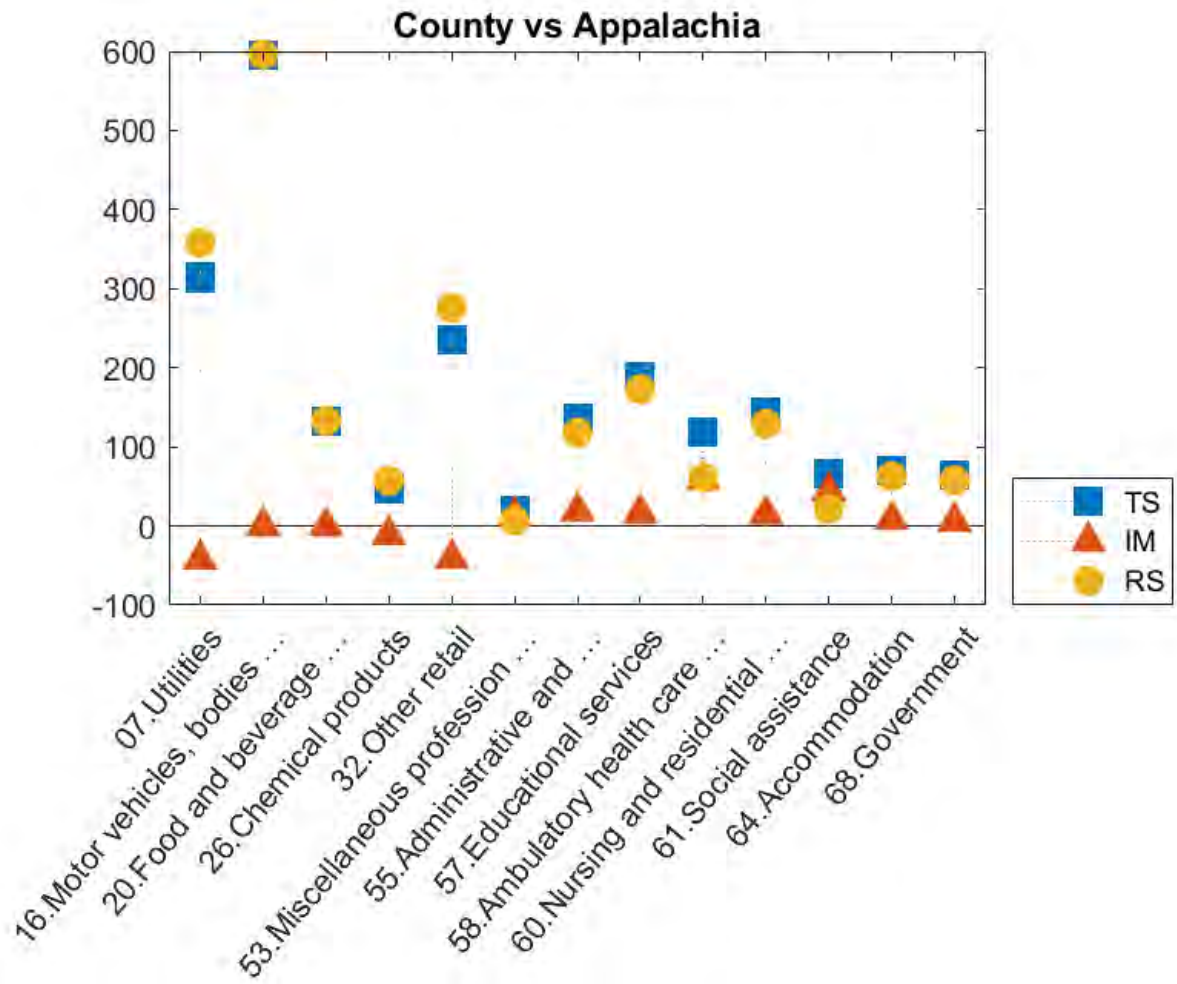


Chapter 40. Rhea County, Tennessee

Rhea County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	77	241	-73	314	1,005
16	Motor vehicles, bodies ...	0	596	0	596	596
20	Food and beverage ...	0	133	0	133	133
26	Chemical products	18	29	-26	55	211
32	Other retail	42	194	-42	236	611
53	Miscellaneous profession ...	11	9	16	-7	117
55	Administrative and ...	16	121	3	118	277
57	Educational services	84	107	-16	123	936
58	Ambulatory health care ...	20	100	63	37	300
60	Nursing and residential ...	26	118	10	108	379
61	Social assistance	16	51	93	-42	209
64	Accommodation	5	67	1	66	111
68	Government	54	12	-36	48	544

Selected SSA Components for Rhea County, Tennessee vs the Appalachian Region

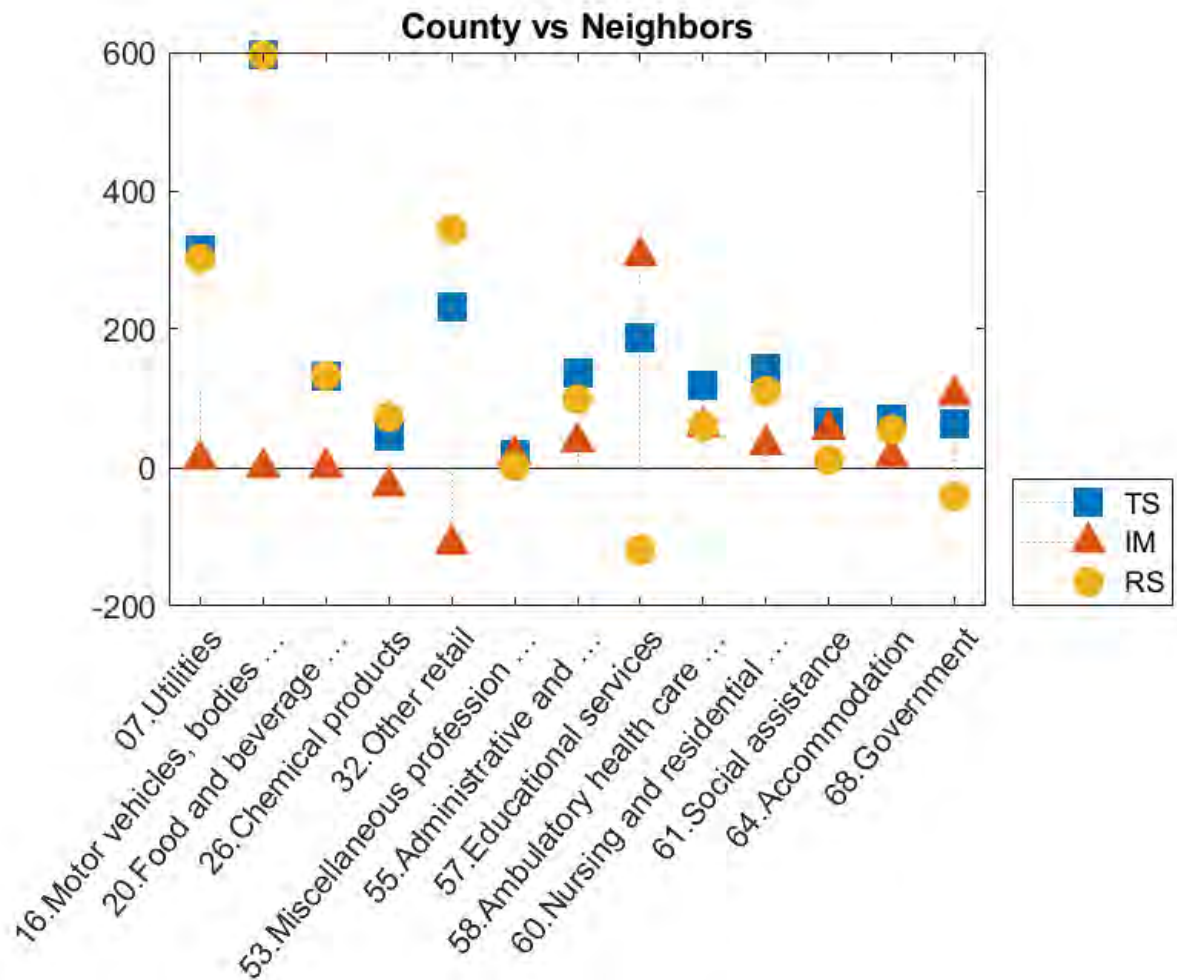


Chapter 40. Rhea County, Tennessee

Selected SSA Components for Rhea County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	2	316	-42	358	1,005
16	Motor vehicles, bodies ...	0	596	0	596	596
20	Food and beverage ...	0	133	0	133	133
26	Chemical products	1	46	-11	57	211
32	Other retail	1	235	-41	276	611
53	Miscellaneous profession ...	0	20	13	7	117
55	Administrative and ...	0	137	19	118	277
57	Educational services	3	189	16	173	936
58	Ambulatory health care ...	1	119	58	61	300
60	Nursing and residential ...	1	144	15	129	379
61	Social assistance	0	66	44	22	209
64	Accommodation	0	71	8	63	111
68	Government	2	64	6	58	544

Selected SSA Components for Rhea County, Tennessee vs Neighbors



Chapter 40. Rhea County, Tennessee

Selected SSA Components for Rhea County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	4	314	12	302	1,005
16	Motor vehicles, bodies ...	0	596	0	596	596
20	Food and beverage ...	0	133	0	133	133
26	Chemical products	1	46	-27	73	211
32	Other retail	2	233	-111	344	611
53	Miscellaneous profession ...	1	20	18	2	117
55	Administrative and ...	1	136	37	99	277
57	Educational services	4	187	306	-119	936
58	Ambulatory health care ...	1	119	59	60	300
60	Nursing and residential ...	1	144	33	111	379
61	Social assistance	1	66	55	11	209
64	Accommodation	0	71	16	55	111
68	Government	3	63	105	-42	544

Chapter 41. Roane County, Tennessee

Employment in Roane County, Tennessee, grew from 17,855 in 2005 to 18,165 in 2018, for a change of 310, or 1.74%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Roane County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	2,014	-1,705	600	-2,305
vs. Appalachia	56	244	831	-587
vs. Neighbors	1,038	-737	499	-1,236

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Roane County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 41. Roane County, Tennessee

Industry Group Membership for Roane County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
53	Miscellaneous profession ...	B I a iii	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
61	Social assistance	B I a iii	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Roane County, Tennessee vs. the United States

Groups a, b, and c are from Roane County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Roane County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Roane County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Roane County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Roane County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Roane County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

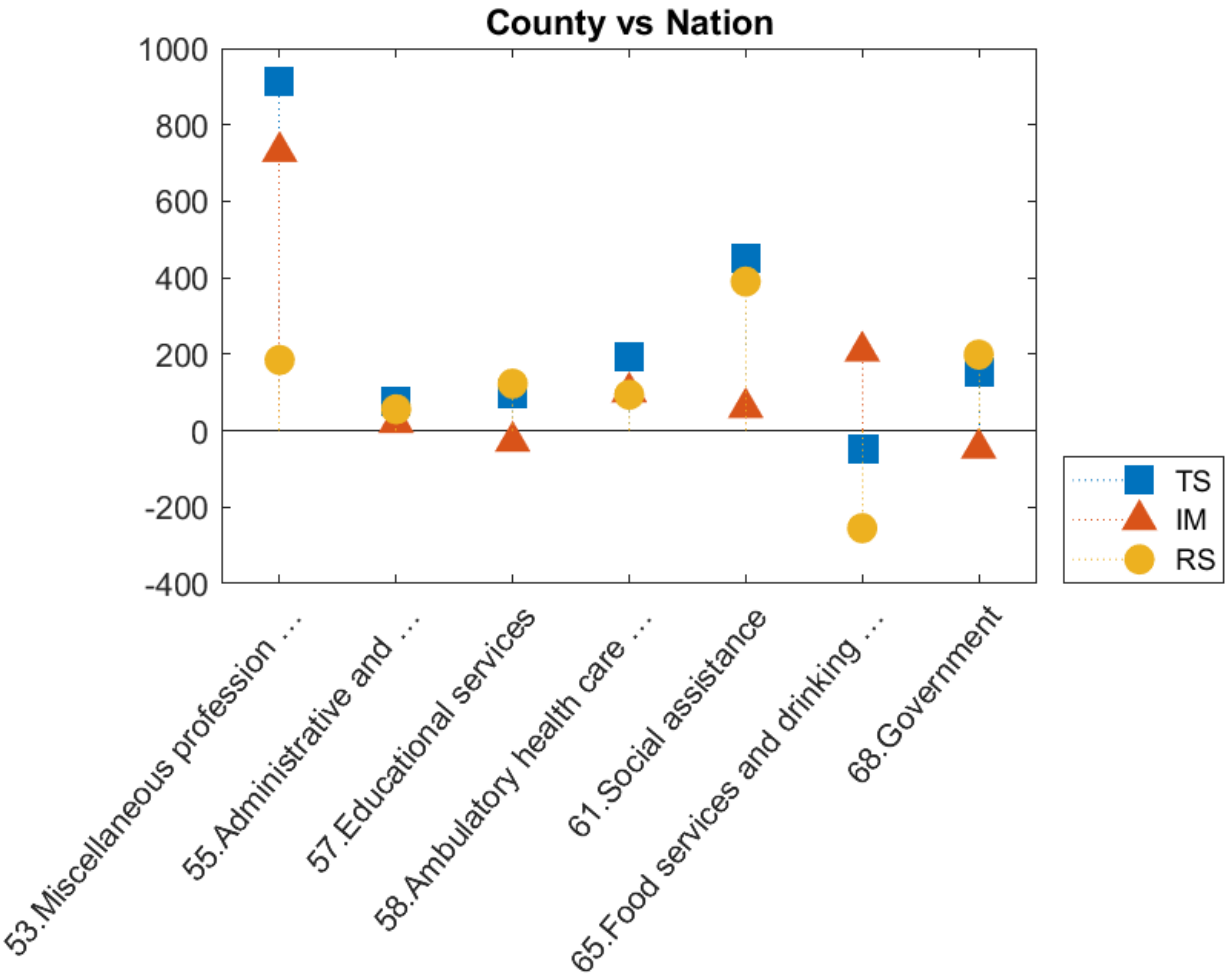
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Roane County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Roane County, Tennessee vs the U.S.

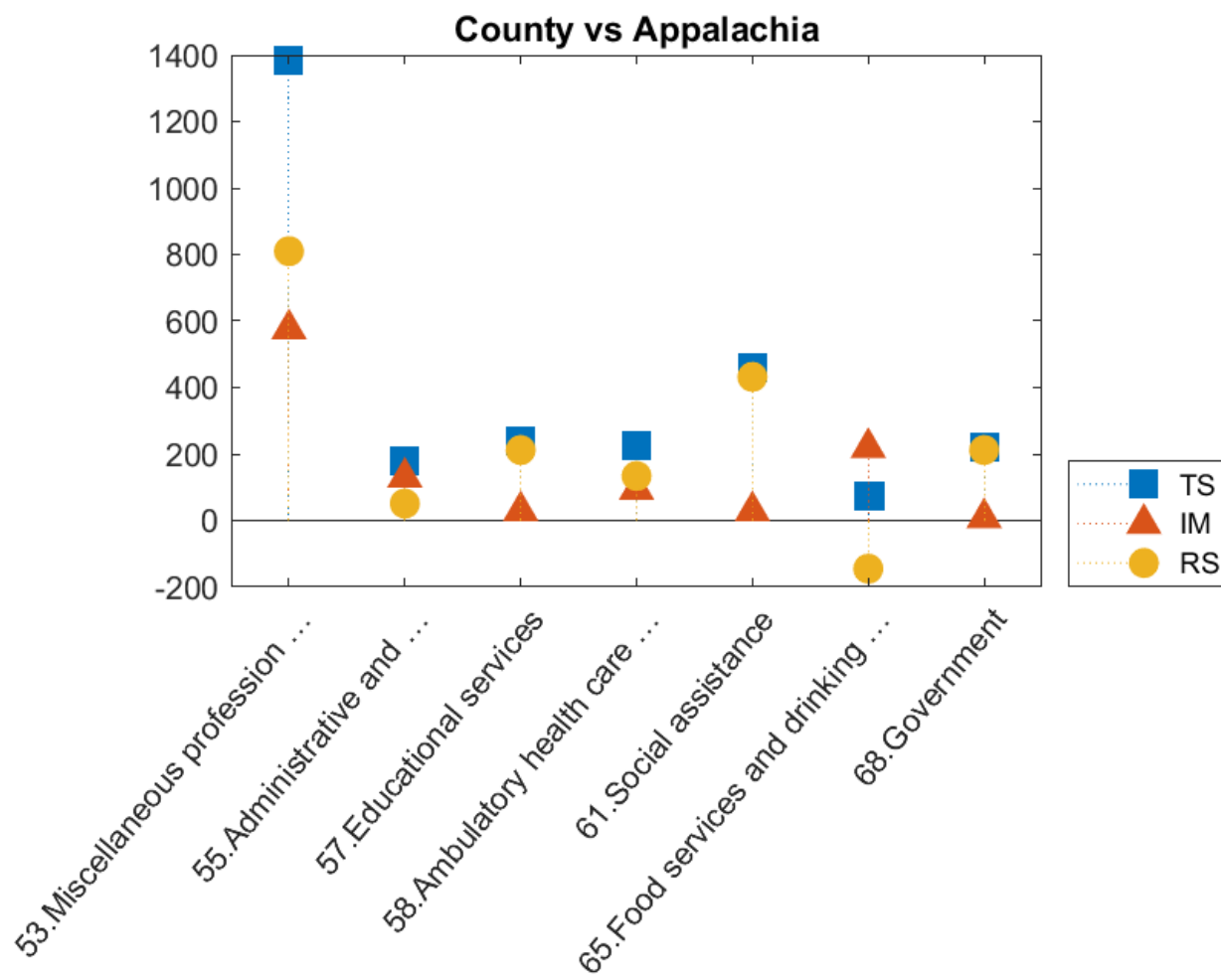


Chapter 41. Roane County, Tennessee

Roane County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
53	Miscellaneous profession ...	487	915	730	185	5,718
55	Administrative and ...	108	77	21	56	1,142
57	Educational services	151	95	-28	123	1,586
58	Ambulatory health care ...	33	195	101	94	517
61	Social assistance	10	450	60	390	553
65	Food services and drinking ...	123	-47	208	-255	1,170
68	Government	69	153	-46	199	832

Selected SSA Components for Roane County, Tennessee vs the Appalachian Region

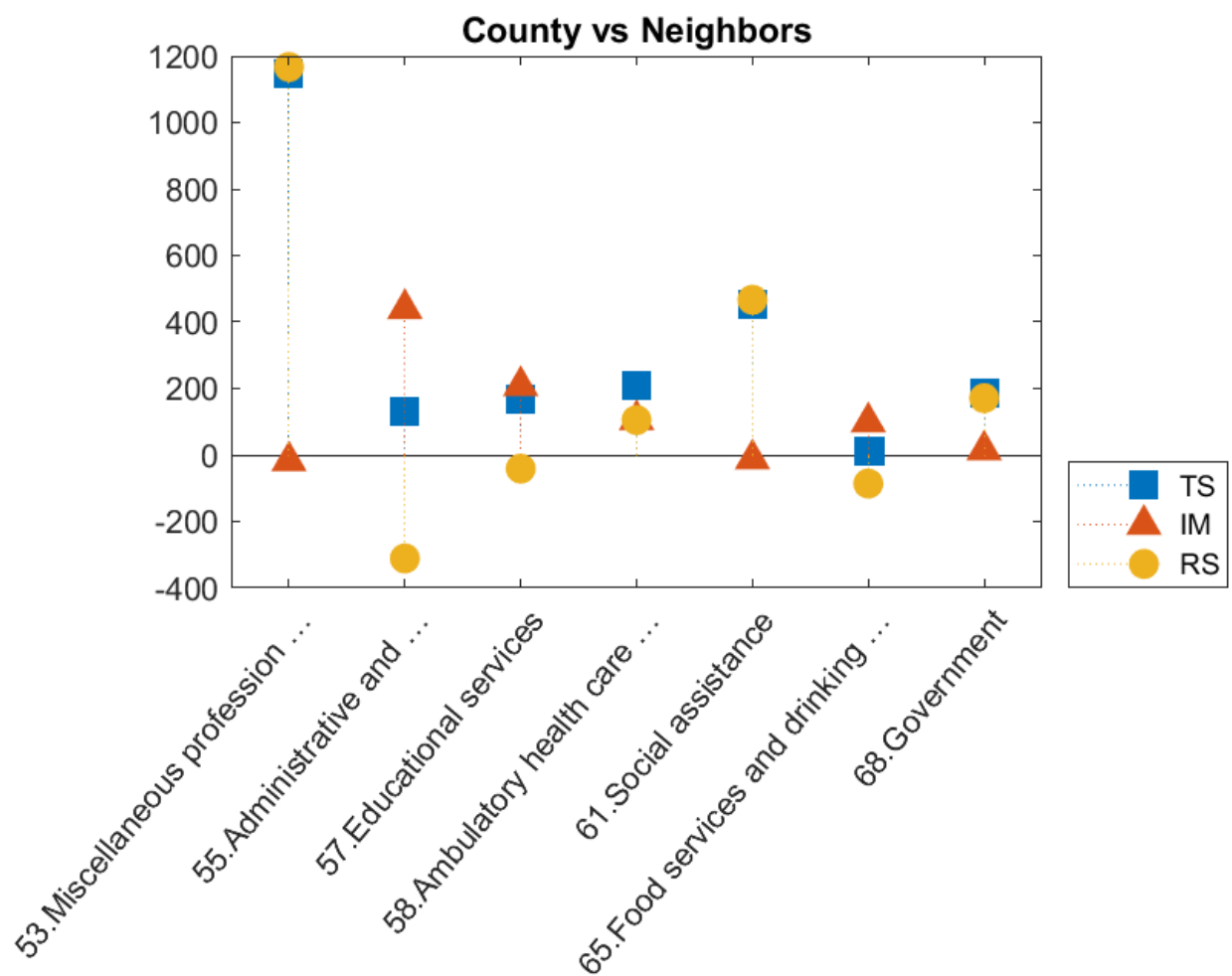


Chapter 41. Roane County, Tennessee

Selected SSA Components for Roane County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
53	Miscellaneous profession ...	15	1,386	576	810	5,718
55	Administrative and ...	3	181	130	51	1,142
57	Educational services	5	241	29	212	1,586
58	Ambulatory health care ...	1	227	93	134	517
61	Social assistance	0	461	29	432	553
65	Food services and drinking ...	4	74	219	-145	1,170
68	Government	2	220	8	212	832

Selected SSA Components for Roane County, Tennessee vs Neighbors



Chapter 41. Roane County, Tennessee

Selected SSA Components for Roane County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
53	Miscellaneous profession ...	252	1,149	-18	1,167	5,718
55	Administrative and ...	56	129	440	-311	1,142
57	Educational services	78	167	208	-41	1,586
58	Ambulatory health care ...	17	211	106	105	517
61	Social assistance	5	455	-12	467	553
65	Food services and drinking ...	64	13	99	-86	1,170
68	Government	36	186	15	171	832

Chapter 42. Scott County, Tennessee

Employment in Scott County, Tennessee, declined from 6,654 in 2005 to 5,883 in 2018, for a change of -771, or -11.59%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Scott County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	753	-1,523	-727	-796
vs. Appalachia	20	-794	-387	-407
vs. Neighbors	-364	-403	-17	-386

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Scott County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 42. Scott County, Tennessee

Industry Group Membership for Scott County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
15	Electrical equipment, ...	D I a i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a ii	yes	yes	yes	yes
20	Food and beverage ...	E I c i	no	yes	yes	yes
26	Chemical products	F I a i	no	yes	yes	yes
27	Plastics and rubber prod...	D III a iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a iii	yes	yes	yes	yes
57	Educational services	F III a iii	no	yes	yes	yes
58	Ambulatory health care ...	B II a ii	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Scott County, Tennessee vs. the United States

Groups a, b, and c are from Scott County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Scott County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Scott County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Scott County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Scott County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Scott County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

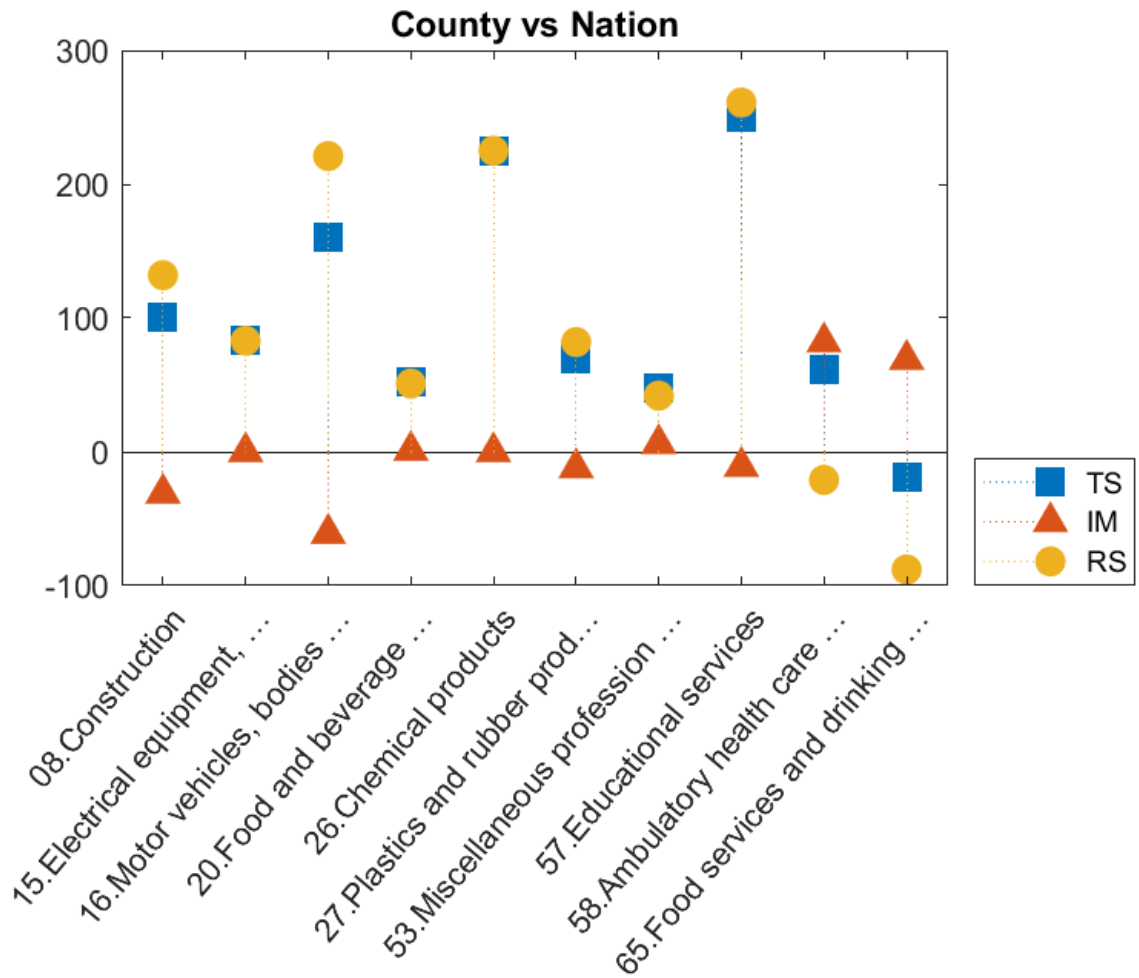
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Scott County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Scott County, Tennessee vs the U.S.

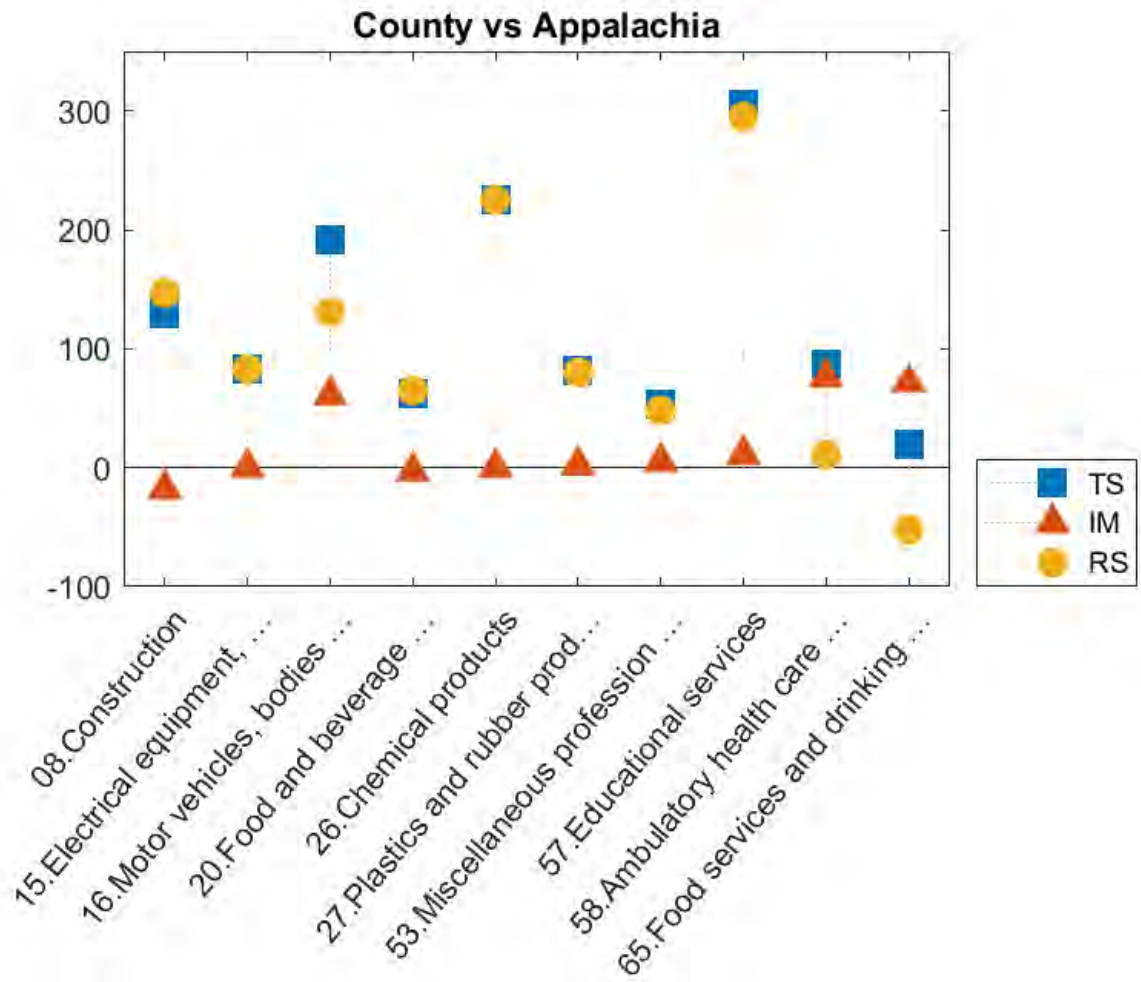


Chapter 42. Scott County, Tennessee

Scott County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	29	101	-31	132	385
15	Electrical equipment, ...	0	83	0	83	83
16	Motor vehicles, bodies ...	34	160	-61	221	496
20	Food and beverage ...	10	52	1	51	146
26	Chemical products	0	225	0	225	225
27	Plastics and rubber prod...	12	70	-12	82	190
53	Miscellaneous profession ...	4	48	6	42	89
57	Educational services	58	250	-11	261	825
58	Ambulatory health care ...	26	61	82	-21	322
65	Food services and drinking ...	41	-19	69	-88	381

Selected SSA Components for Scott County, Tennessee vs the Appalachian Region

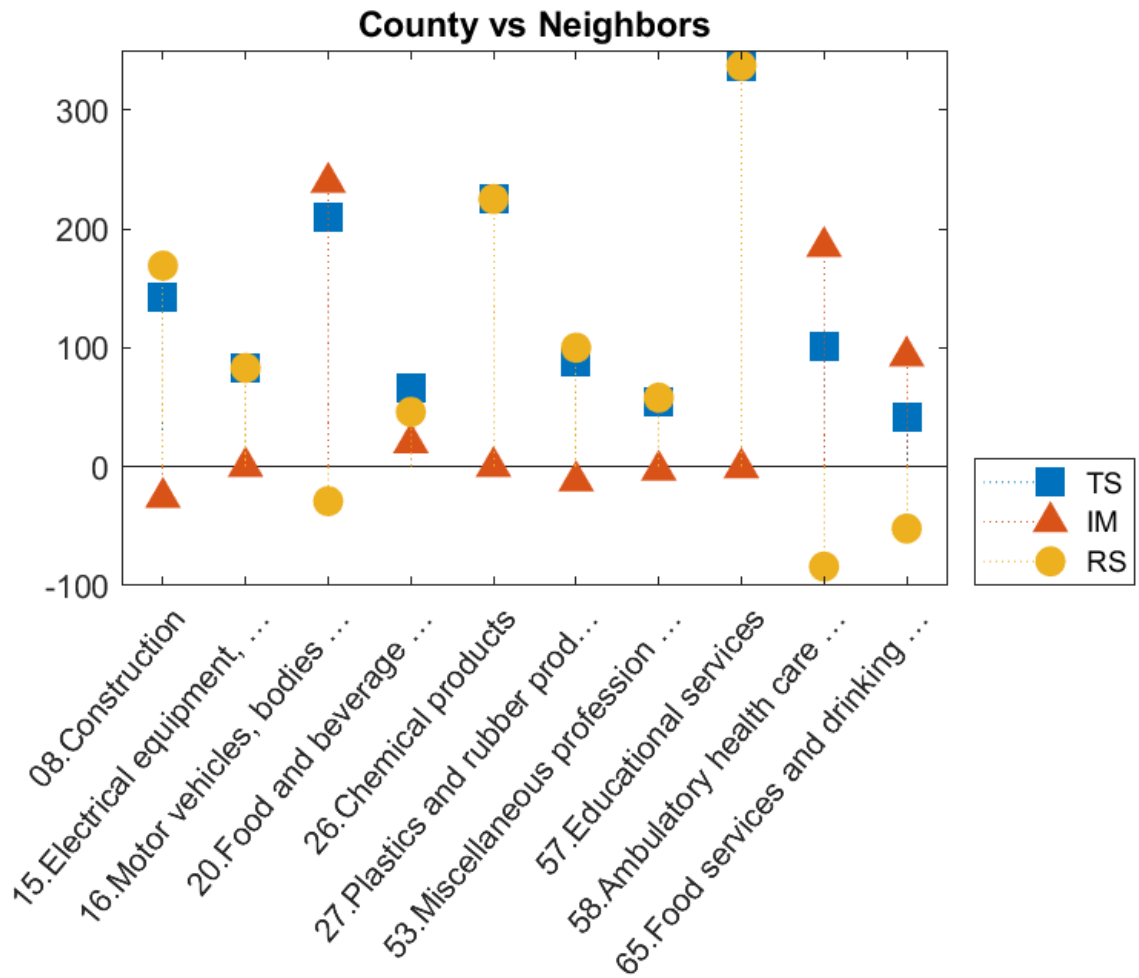


Chapter 42. Scott County, Tennessee

Selected SSA Components for Scott County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	1	129	-18	147	385
15	Electrical equipment, ...	0	83	0	83	83
16	Motor vehicles, bodies ...	1	192	61	131	496
20	Food and beverage ...	0	62	-3	65	146
26	Chemical products	0	225	0	225	225
27	Plastics and rubber prod...	0	82	2	80	190
53	Miscellaneous profession ...	0	53	5	48	89
57	Educational services	2	306	11	295	825
58	Ambulatory health care ...	1	87	76	11	322
65	Food services and drinking ...	1	20	72	-52	381

Selected SSA Components for Scott County, Tennessee vs Neighbors



Chapter 42. Scott County, Tennessee

Selected SSA Components for Scott County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-14	143	-26	169	385
15	Electrical equipment, ...	-0	83	0	83	83
16	Motor vehicles, bodies ...	-17	210	239	-29	496
20	Food and beverage ...	-5	66	20	46	146
26	Chemical products	-0	225	0	225	225
27	Plastics and rubber prod...	-6	88	-12	100	190
53	Miscellaneous profession ...	-2	55	-3	58	89
57	Educational services	-28	336	-1	337	825
58	Ambulatory health care ...	-13	101	185	-84	322
65	Food services and drinking ...	-20	41	93	-52	381

Chapter 43. Sequatchie County, Tennessee

Employment in Sequatchie County, Tennessee, grew from 2,825 in 2005 to 2,957 in 2018, for a change of 132, or 4.67%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Sequatchie County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	318	-190	-100	-90
vs. Appalachia	8	122	-56	178
vs. Neighbors	-46	178	-76	254

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Sequatchie County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 43. Sequatchie County, Tennessee

Industry Group Membership for Sequatchie County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c i	no	yes	yes	yes
15	Electrical equipment, ...	D I a i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C I a i	yes	yes	yes	yes
26	Chemical products	F III a i	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Sequatchie County, Tennessee vs. the United States

Groups a, b, and c are from Sequatchie County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Sequatchie County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Sequatchie County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Sequatchie County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Sequatchie County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Sequatchie County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

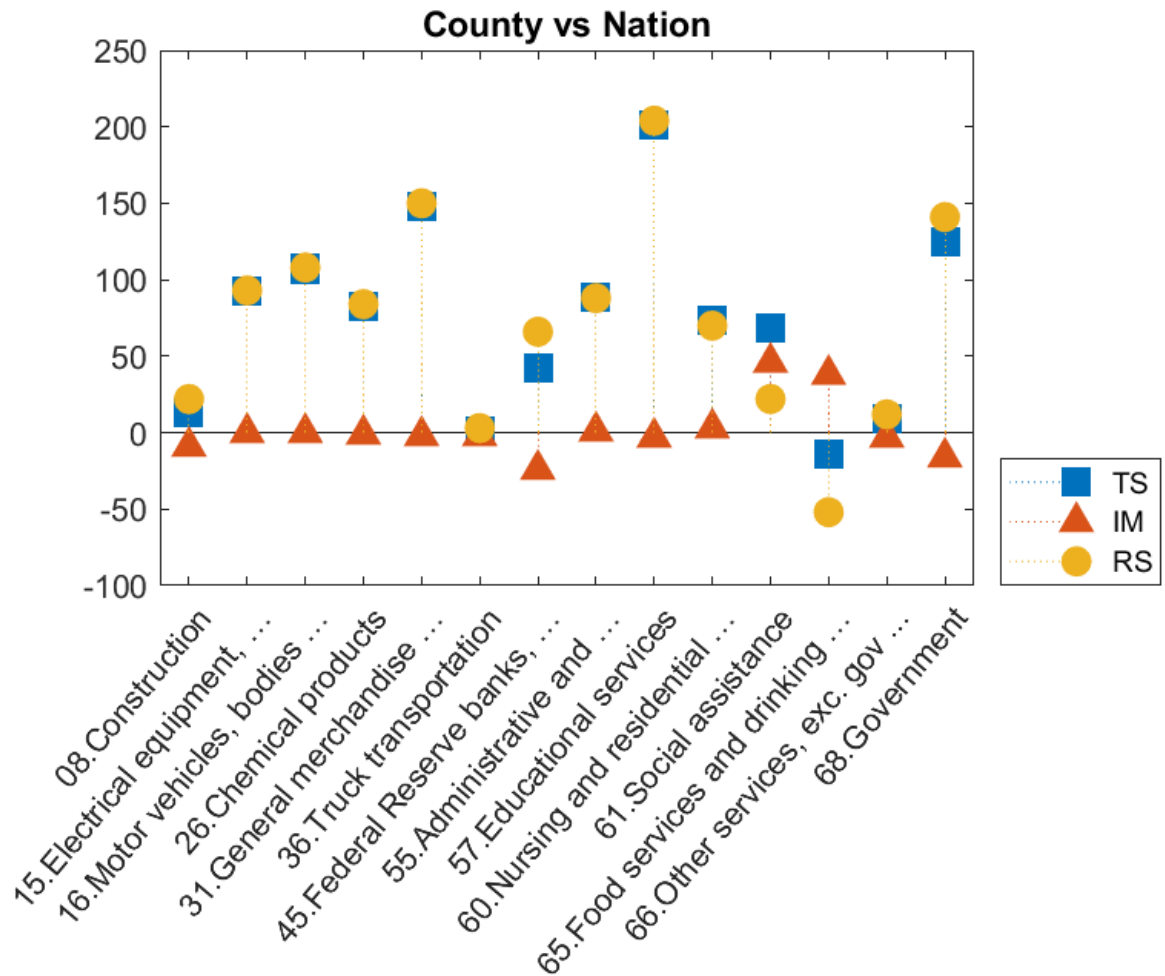
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Sequatchie County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Sequatchie County, Tennessee vs the U.S.

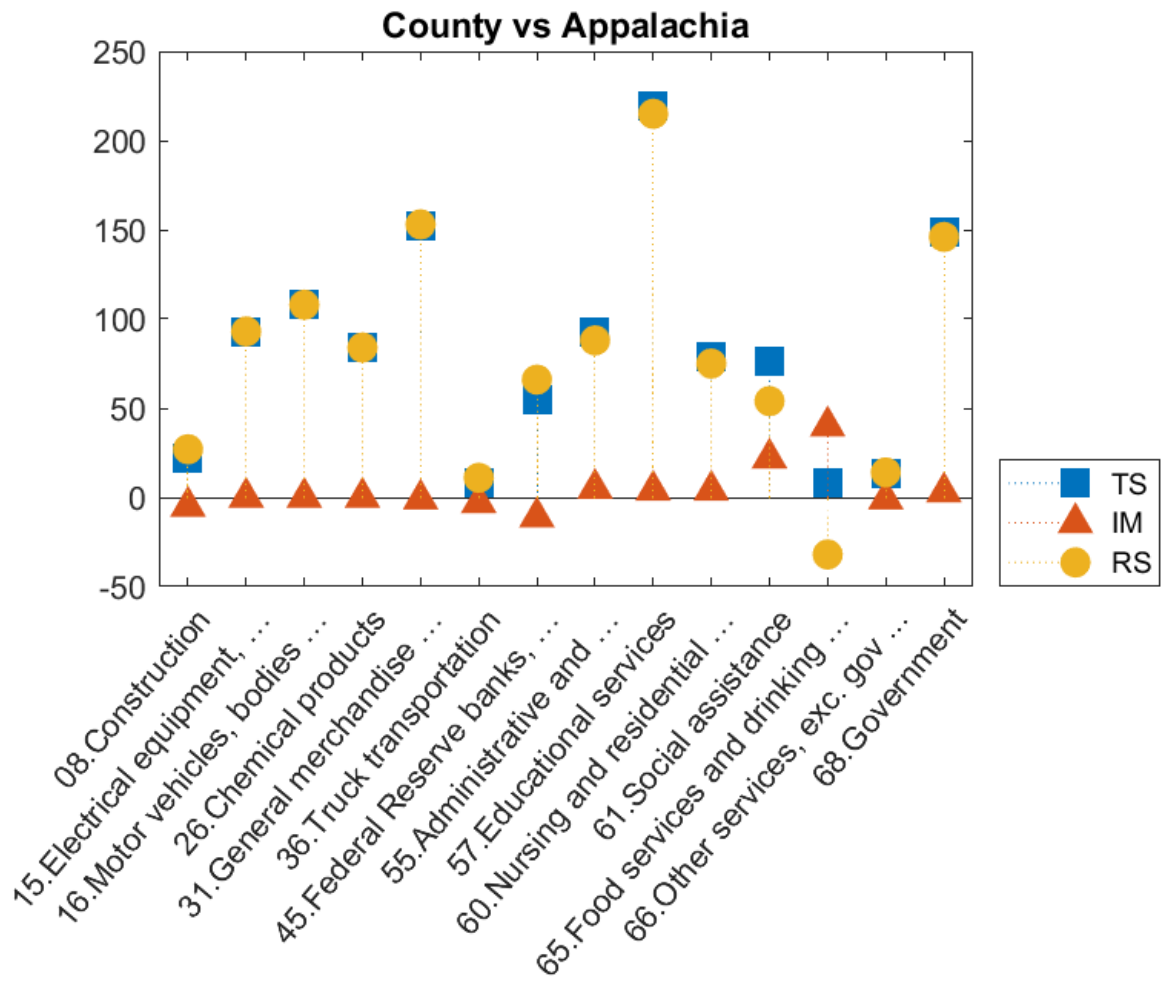


Chapter 43. Sequatchie County, Tennessee

Sequatchie County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	8	13	-9	22	93
15	Electrical equipment, ...	0	93	0	93	93
16	Motor vehicles, bodies ...	0	108	0	108	108
26	Chemical products	1	83	-1	84	89
31	General merchandise ...	4	148	-2	150	189
36	Truck transportation	6	1	-2	3	60
45	Federal Reserve banks, ...	14	42	-24	66	179
55	Administrative and ...	4	89	1	88	130
57	Educational services	19	201	-3	204	384
60	Nursing and residential ...	7	73	3	70	141
61	Social assistance	8	68	46	22	145
65	Food services and drinking ...	22	-14	38	-52	207
66	Other services, exc. gov ...	4	9	-3	12	47
68	Government	23	125	-16	141	354

Selected SSA Components for Sequatchie County, Tennessee vs the Appalachian Region

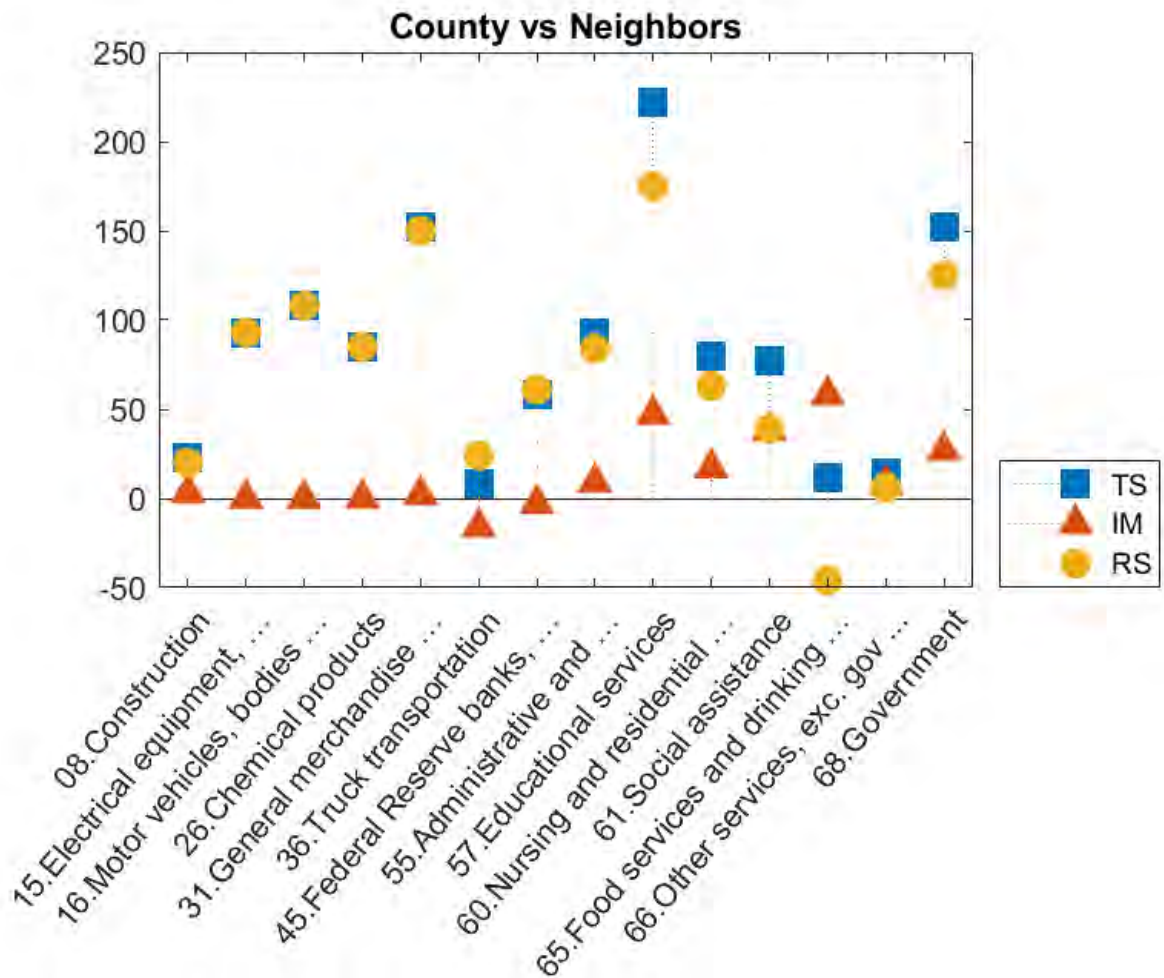


Chapter 43. Sequatchie County, Tennessee

Selected SSA Components for Sequatchie County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	0	22	-5	27	93
15	Electrical equipment, ...	0	93	0	93	93
16	Motor vehicles, bodies ...	0	108	0	108	108
26	Chemical products	0	84	-0	84	89
31	General merchandise ...	0	152	-1	153	189
36	Truck transportation	0	8	-3	11	60
45	Federal Reserve banks, ...	0	55	-11	66	179
55	Administrative and ...	0	93	5	88	130
57	Educational services	1	219	4	215	384
60	Nursing and residential ...	0	79	4	75	141
61	Social assistance	0	76	22	54	145
65	Food services and drinking ...	1	8	40	-32	207
66	Other services, exc. gov ...	0	13	-1	14	47
68	Government	1	149	3	146	354

Selected SSA Components for Sequatchie County, Tennessee vs Neighbors



Chapter 43. Sequatchie County, Tennessee

Selected SSA Components for Sequatchie County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-1	23	3	20	93
15	Electrical equipment, ...	-0	93	0	93	93
16	Motor vehicles, bodies ...	-0	108	0	108	108
26	Chemical products	-0	85	-0	85	89
31	General merchandise ...	-1	152	2	150	189
36	Truck transportation	-1	8	-16	24	60
45	Federal Reserve banks, ...	-2	58	-3	61	179
55	Administrative and ...	-1	93	9	84	130
57	Educational services	-3	222	47	175	384
60	Nursing and residential ...	-1	80	17	63	141
61	Social assistance	-1	77	38	39	145
65	Food services and drinking ...	-3	12	58	-46	207
66	Other services, exc. gov ...	-1	14	8	6	47
68	Government	-3	152	27	125	354

Chapter 44. Sevier County, Tennessee

Employment in Sevier County, Tennessee, grew from 38,666 in 2005 to 47,389 in 2018, for a change of 8,723, or 22.56%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Sevier County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	4,358	4,368	337	4,031
vs. Appalachia	129	8,593	2,199	6,394
vs. Neighbors	4,274	4,454	1,330	3,124

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Sevier County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 44. Sevier County, Tennessee

Industry Group Membership for Sevier County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
20	Food and beverage ...	E I c i	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a iii	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
49	Real estate	F III a i	no	yes	yes	yes
53	Miscellaneous profession ...	B II a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
62	Performing arts, spectator ...	B I a i	yes	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
64	Accommodation	A V b v	yes	no	yes	no
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Sevier County, Tennessee vs. the United States

Groups a, b, and c are from Sevier County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Sevier County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Sevier County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Sevier County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Sevier County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Sevier County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

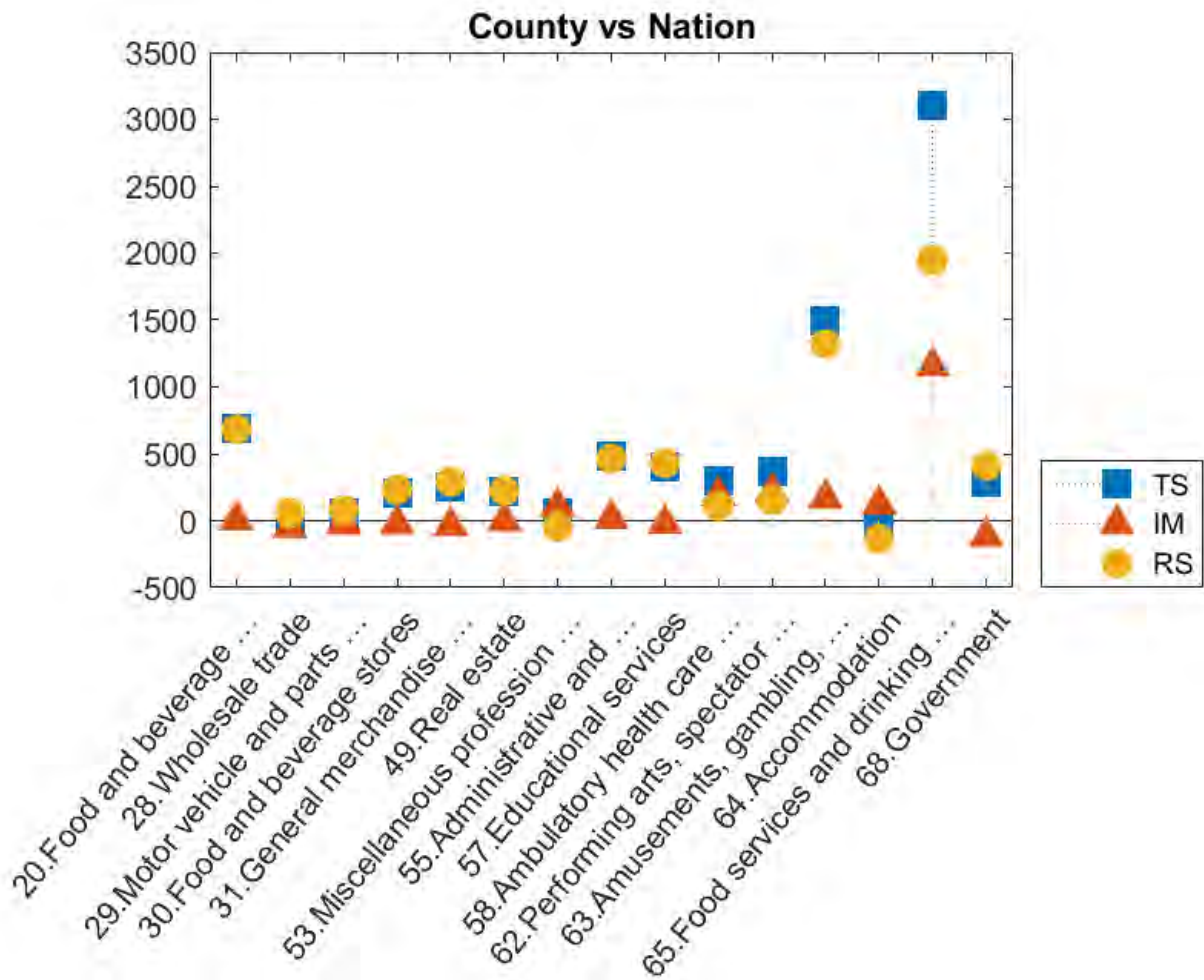
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Sevier County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Sevier County, Tennessee vs the U.S.

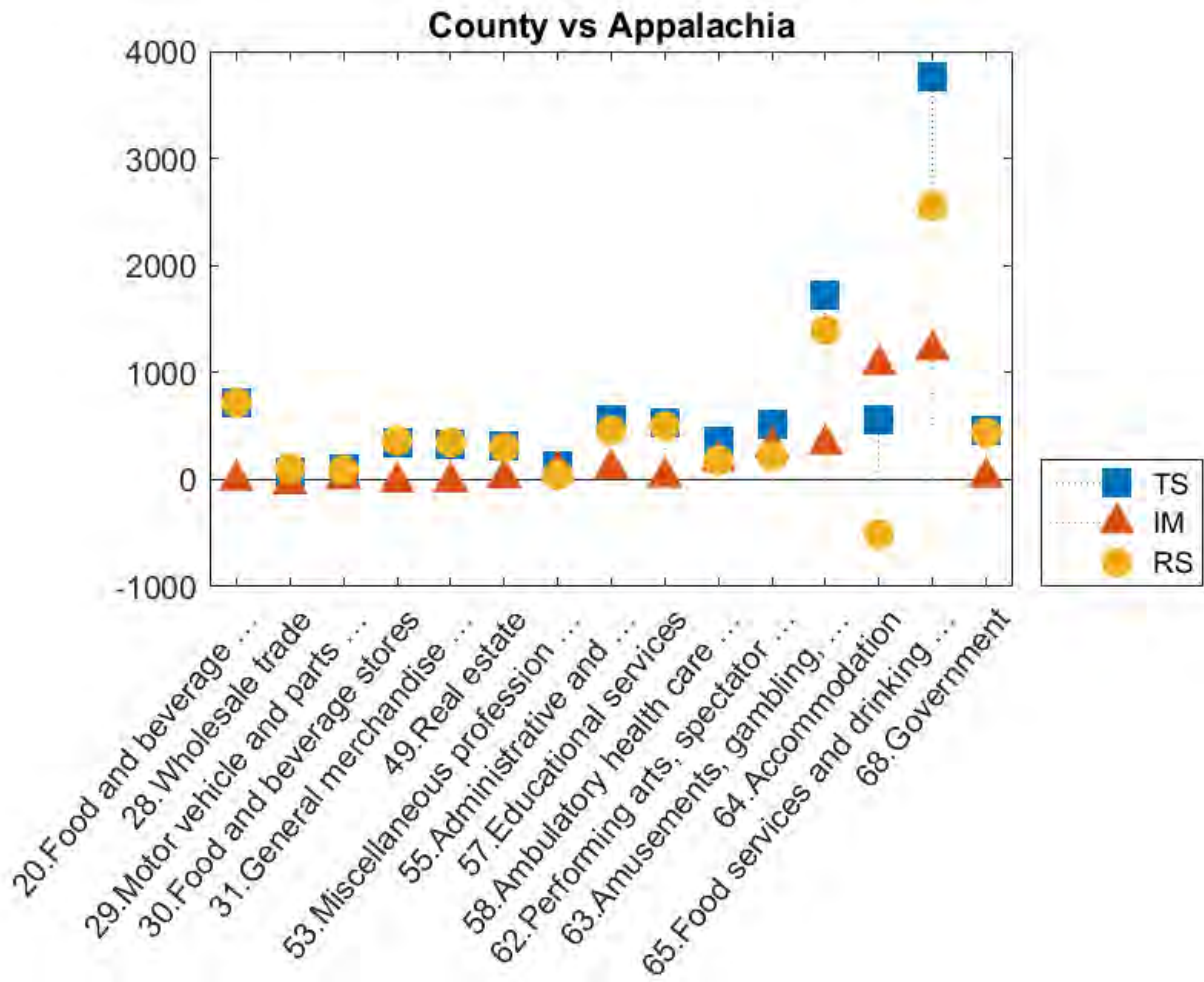


Chapter 44. Sevier County, Tennessee

Sevier County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	26	686	4	682	939
28	Wholesale trade	61	5	-52	57	611
29	Motor vehicle and parts ...	44	56	-24	80	494
30	Food and beverage stores	134	209	-24	233	1,531
31	General merchandise ...	71	254	-37	291	957
49	Real estate	98	221	-2	223	1,184
53	Miscellaneous profession ...	69	59	104	-45	742
55	Administrative and ...	84	480	16	464	1,312
57	Educational services	117	408	-22	430	1,568
58	Ambulatory health care ...	60	296	187	109	888
62	Performing arts, spectator ...	160	366	214	152	1,945
63	Amusements, gambling, ...	242	1,489	168	1,321	3,876
64	Accommodation	596	-15	121	-136	5,869
65	Food services and drinking ...	683	3,102	1,155	1,947	9,842
68	Government	175	291	-117	408	2,013

Selected SSA Components for Sevier County, Tennessee vs the Appalachian Region

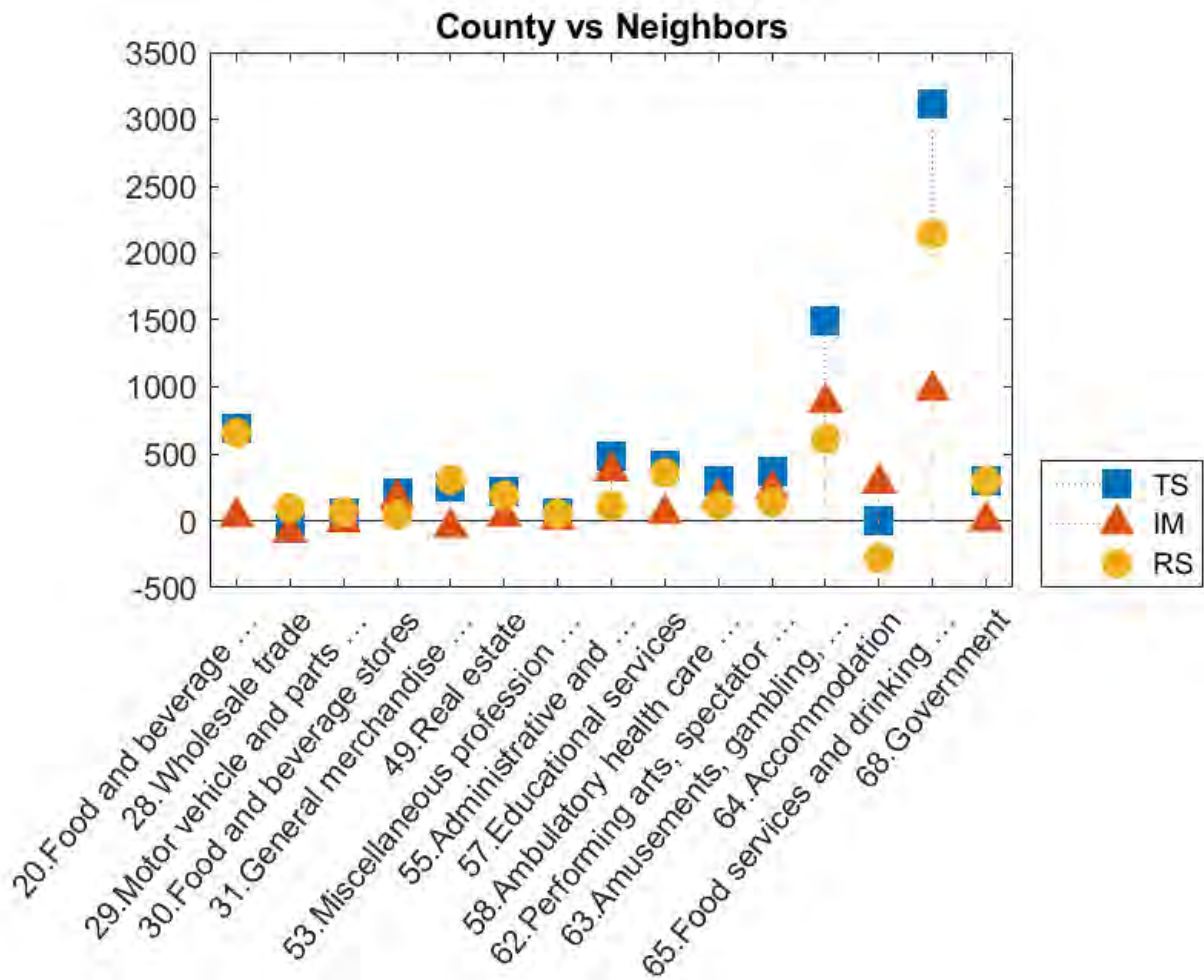


Chapter 44. Sevier County, Tennessee

Selected SSA Components for Sevier County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	1	710	-9	719	939
28	Wholesale trade	2	64	-40	104	611
29	Motor vehicle and parts ...	1	98	6	92	494
30	Food and beverage stores	4	339	-25	364	1,531
31	General merchandise ...	2	324	-22	346	957
49	Real estate	3	315	15	300	1,184
53	Miscellaneous profession ...	2	126	82	44	742
55	Administrative and ...	3	562	102	460	1,312
57	Educational services	4	523	23	500	1,568
58	Ambulatory health care ...	2	354	172	182	888
62	Performing arts, spectator ...	5	521	298	223	1,945
63	Amusements, gambling, ...	7	1,724	330	1,394	3,876
64	Accommodation	18	564	1,074	-510	5,869
65	Food services and drinking ...	21	3,764	1,211	2,553	9,842
68	Government	5	460	21	439	2,013

Selected SSA Components for Sevier County, Tennessee vs Neighbors



Chapter 44. Sevier County, Tennessee

Selected SSA Components for Sevier County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
20	Food and beverage ...	25	686	30	656	939
28	Wholesale trade	60	5	-90	95	611
29	Motor vehicle and parts ...	44	56	-8	64	494
30	Food and beverage stores	131	212	167	45	1,531
31	General merchandise ...	70	256	-50	306	957
49	Real estate	96	223	35	188	1,184
53	Miscellaneous profession ...	68	61	9	52	742
55	Administrative and ...	83	482	371	111	1,312
57	Educational services	115	411	53	358	1,568
58	Ambulatory health care ...	59	297	177	120	888
62	Performing arts, spectator ...	157	370	232	138	1,945
63	Amusements, gambling, ...	237	1,494	883	611	3,876
64	Accommodation	584	-2	279	-281	5,869
65	Food services and drinking ...	669	3,116	974	2,142	9,842
68	Government	171	294	-3	297	2,013

Chapter 45. Smith County, Tennessee

Employment in Smith County, Tennessee, declined from 5,345 in 2005 to 5,340 in 2018, for a change of -5, or -0.09%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Smith County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	604	-608	-132	-476
vs. Appalachia	14	-25	67	-92
vs. Neighbors	939	-942	160	-1,102

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Smith County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 45. Smith County, Tennessee

Industry Group Membership for Smith County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
05	Mining, except coal, oil ...	F III c i	no	yes	yes	yes
11	Primary metals	F III c i	no	yes	yes	yes
13	Machinery	F III c n	no	yes	yes	no
16	Motor vehicles, bodies ...	C IV b iv	yes	no	yes	no
23	Paper products	D III c iii	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
65	Food services and drinking ...	B II b v	yes	yes	yes	no
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Smith County, Tennessee vs. the United States

Groups a, b, and c are from Smith County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Smith County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Smith County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Smith County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Smith County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Smith County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

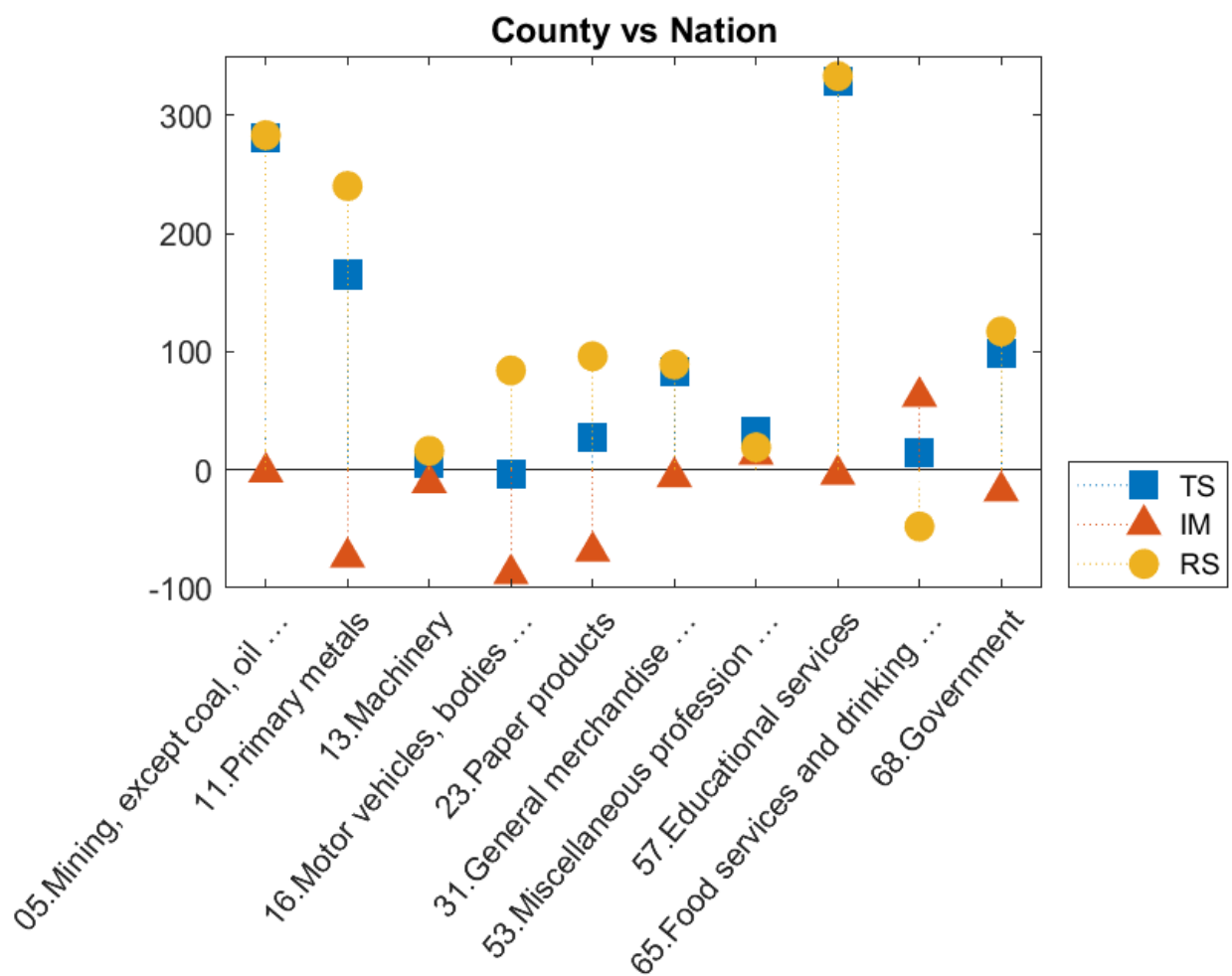
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Smith County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Smith County, Tennessee vs the U.S.

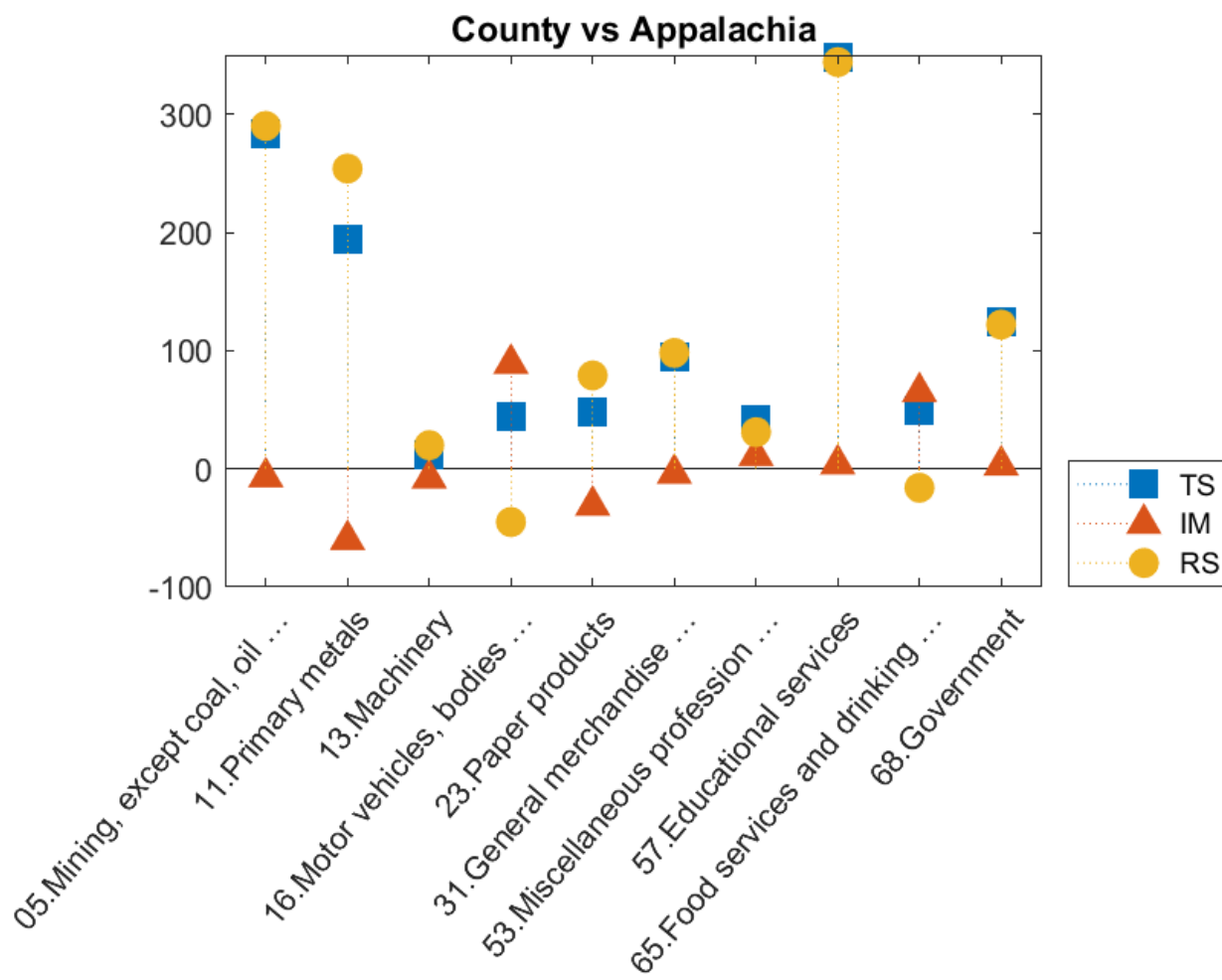


Chapter 45. Smith County, Tennessee

Smith County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	2	281	-2	283	300
11	Primary metals	28	166	-74	240	445
13	Machinery	7	5	-11	16	77
16	Motor vehicles, bodies ...	49	-4	-88	84	481
23	Paper products	22	27	-69	96	241
31	General merchandise ...	12	83	-6	89	198
53	Miscellaneous profession ...	9	32	13	19	120
57	Educational services	20	329	-4	333	527
65	Food services and drinking ...	37	14	62	-48	374
68	Government	26	99	-18	117	358

Selected SSA Components for Smith County, Tennessee vs the Appalachian Region

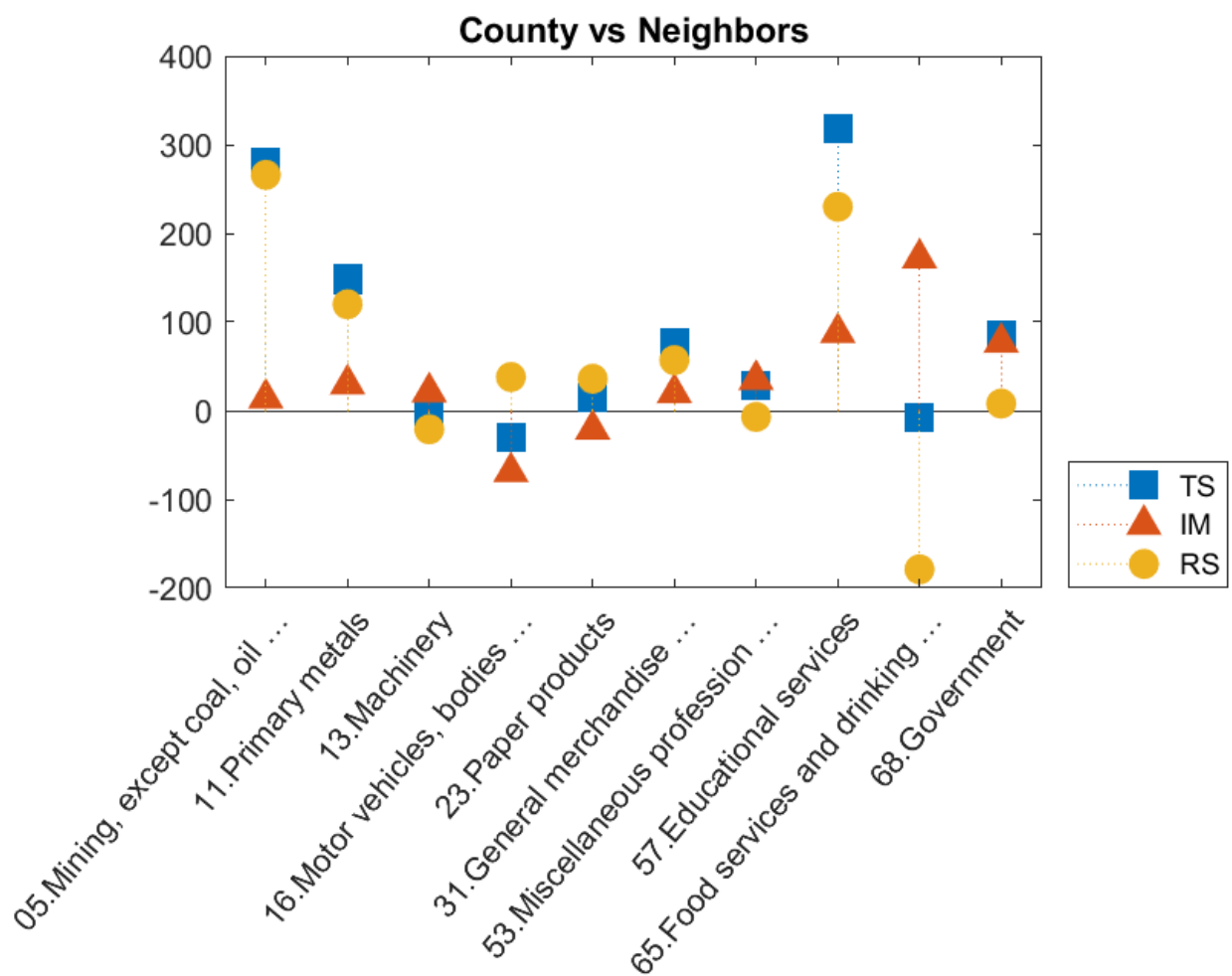


Chapter 45. Smith County, Tennessee

Selected SSA Components for Smith County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	0	283	-7	290	300
11	Primary metals	1	194	-60	254	445
13	Machinery	0	12	-8	20	77
16	Motor vehicles, bodies ...	1	44	89	-45	481
23	Paper products	1	48	-31	79	241
31	General merchandise ...	0	94	-4	98	198
53	Miscellaneous profession ...	0	42	11	31	120
57	Educational services	1	348	4	344	527
65	Food services and drinking ...	1	49	65	-16	374
68	Government	1	125	3	122	358

Selected SSA Components for Smith County, Tennessee vs Neighbors



Chapter 45. Smith County, Tennessee

Selected SSA Components for Smith County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
05	Mining, except coal, oil ...	3	280	14	266	300
11	Primary metals	44	150	30	120	445
13	Machinery	11	0	21	-21	77
16	Motor vehicles, bodies ...	76	-31	-69	38	481
23	Paper products	34	15	-21	36	241
31	General merchandise ...	18	77	20	57	198
53	Miscellaneous profession ...	14	28	35	-7	120
57	Educational services	31	318	88	230	527
65	Food services and drinking ...	57	-7	172	-179	374
68	Government	41	85	77	8	358

Chapter 46. Sullivan County, Tennessee

Employment in Sullivan County, Tennessee, grew from 68,224 in 2005 to 68,417 in 2018, for a change of 193, or 0.28%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Sullivan County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	7,697	-7,504	-422	-7,082
vs. Appalachia	234	-33	170	-203
vs. Neighbors	-1,025	1,221	-20	1,241

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Sullivan County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 46. Sullivan County, Tennessee

Industry Group Membership for Sullivan County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
30	Food and beverage stores	F III c i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a ii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Sullivan County, Tennessee vs. the United States

Groups a, b, and c are from Sullivan County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Sullivan County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Sullivan County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Sullivan County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Sullivan County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Sullivan County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

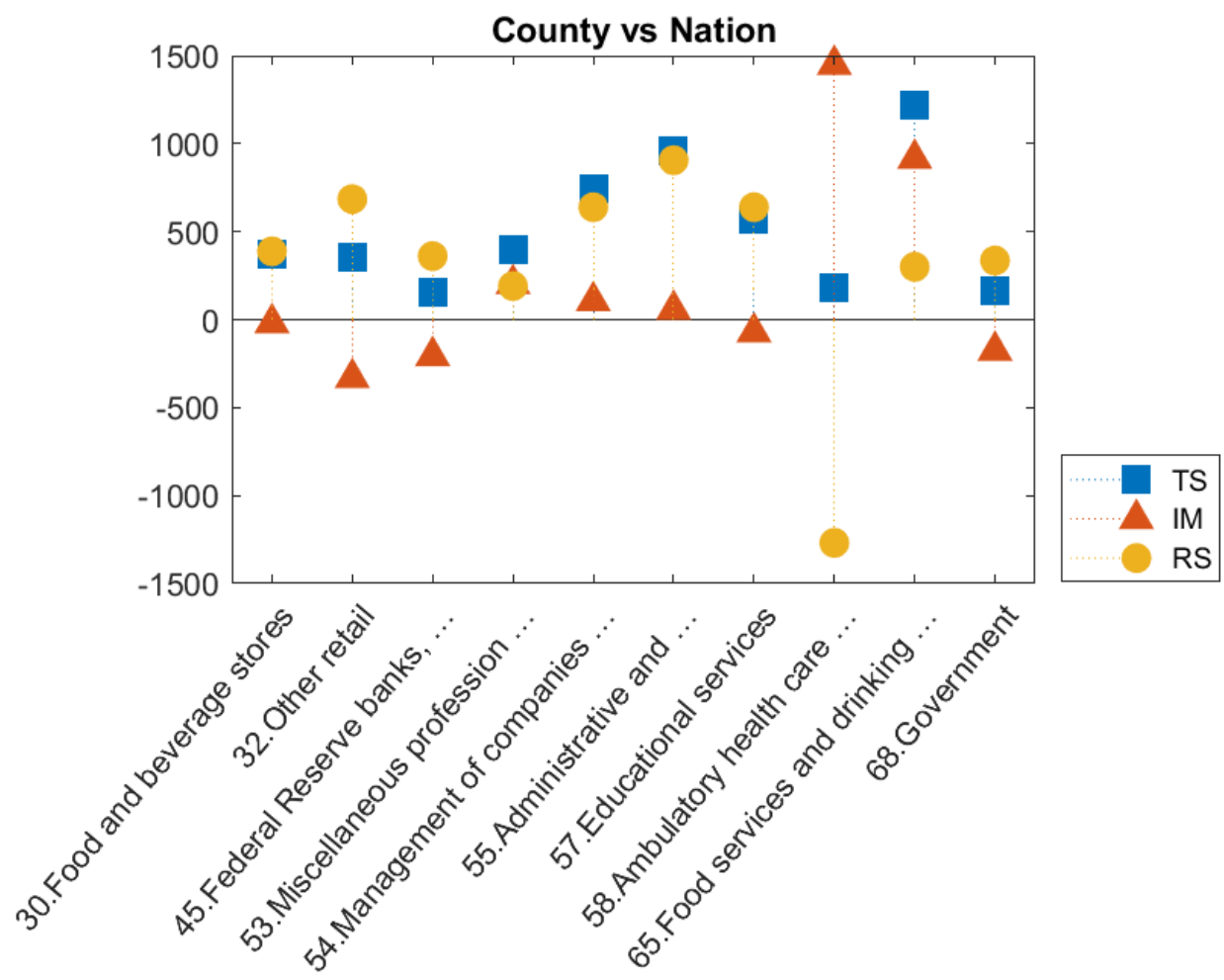
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Sullivan County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Sullivan County, Tennessee vs the U.S.

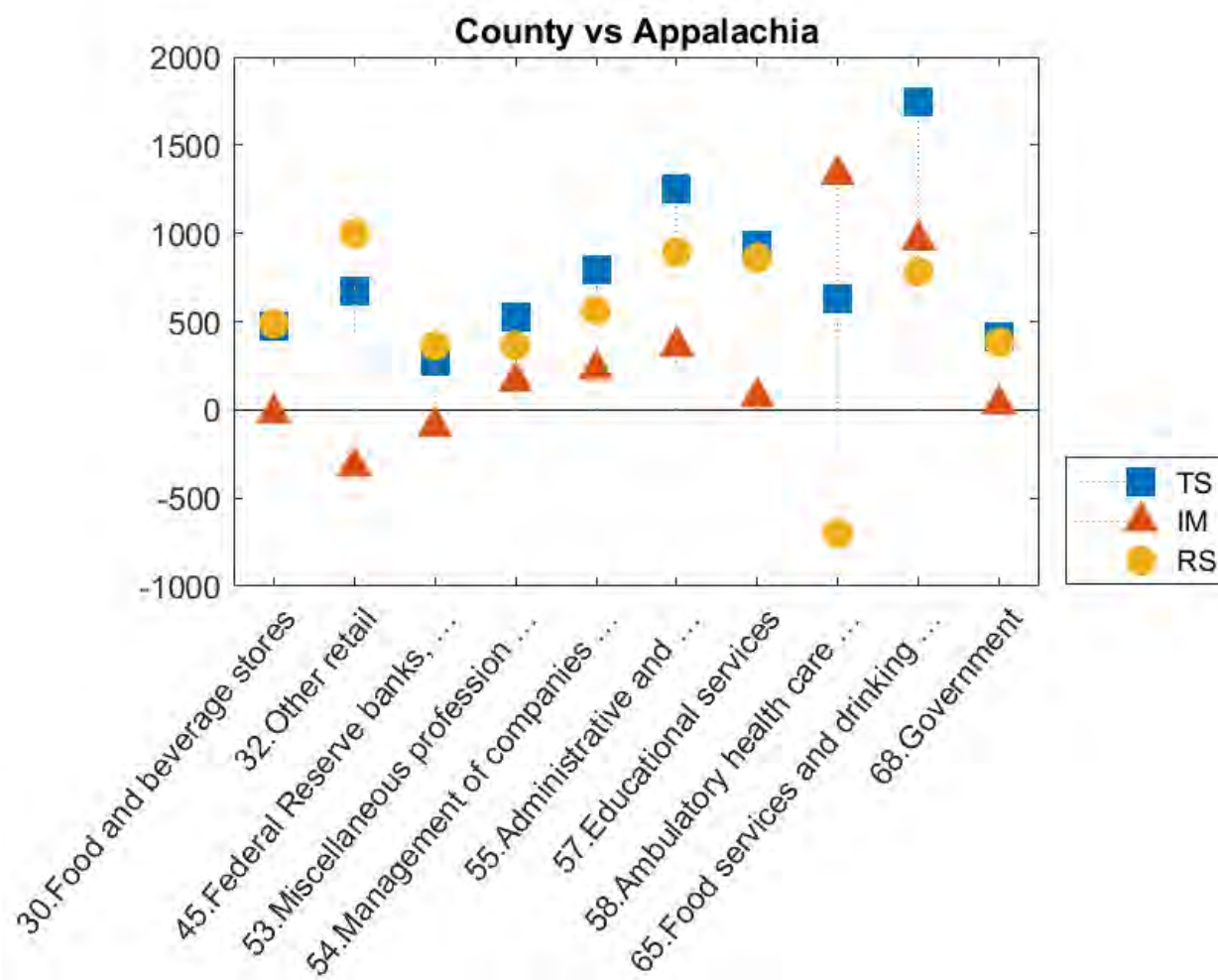


Chapter 46. Sullivan County, Tennessee

Sullivan County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	104	369	-19	388	1,395
32	Other retail	333	354	-331	685	3,636
45	Federal Reserve banks, ...	120	155	-206	361	1,334
53	Miscellaneous profession ...	136	394	203	191	1,734
54	Management of companies ...	51	745	106	639	1,247
55	Administrative and ...	299	963	57	906	3,911
57	Educational services	378	568	-71	639	4,302
58	Ambulatory health care ...	466	180	1,449	-1,269	4,776
65	Food services and drinking ...	542	1,215	915	300	6,559
68	Government	261	160	-176	336	2,734

Selected SSA Components for Sullivan County, Tennessee vs the Appalachian Region

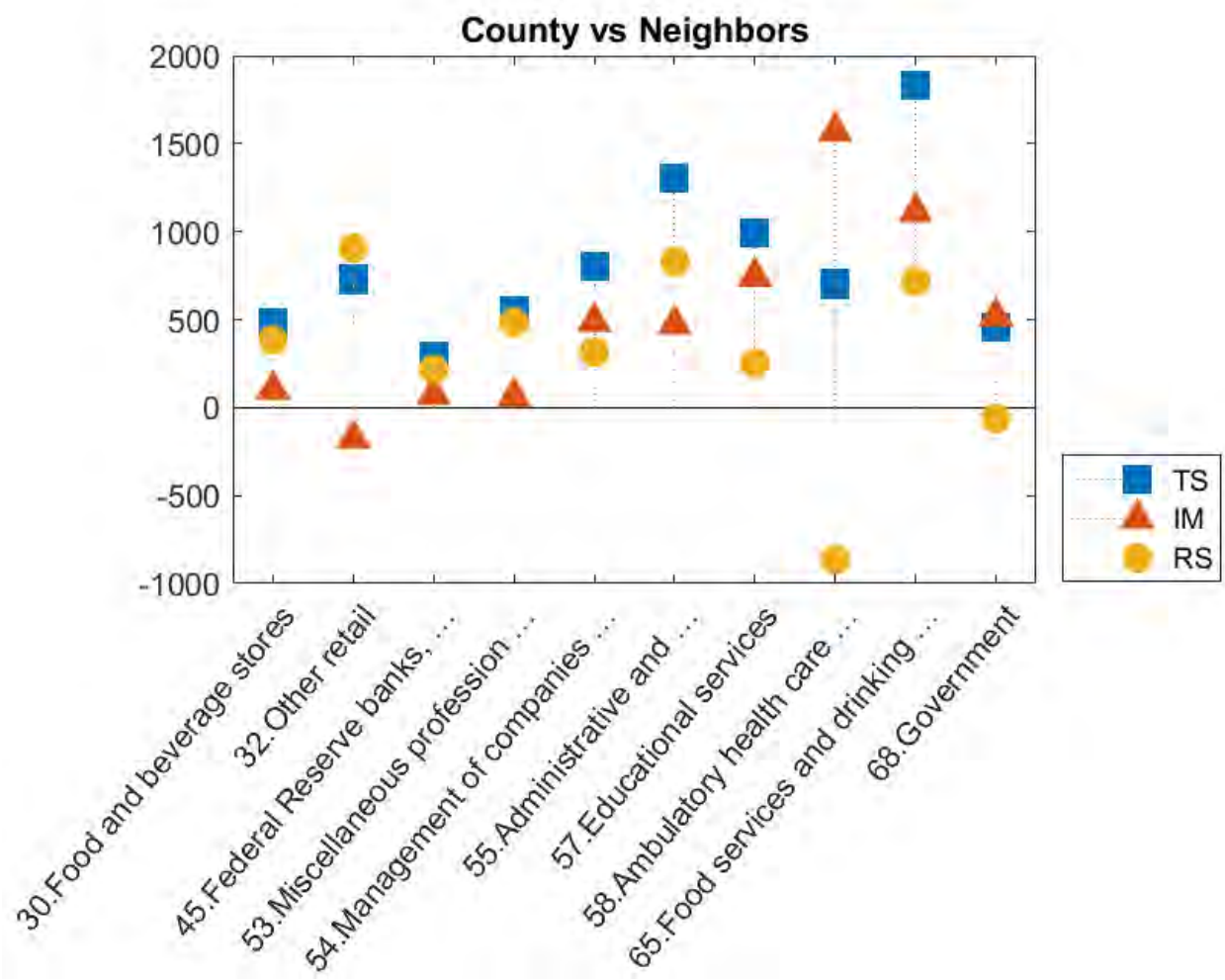


Chapter 46. Sullivan County, Tennessee

Selected SSA Components for Sullivan County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	3	470	-19	489	1,395
32	Other retail	10	677	-321	998	3,636
45	Federal Reserve banks, ...	4	271	-93	364	1,334
53	Miscellaneous profession ...	4	526	161	365	1,734
54	Management of companies ...	2	794	231	563	1,247
55	Administrative and ...	9	1,253	360	893	3,911
57	Educational services	11	935	73	862	4,302
58	Ambulatory health care ...	14	632	1,333	-701	4,776
65	Food services and drinking ...	16	1,741	960	781	6,559
68	Government	8	413	31	382	2,734

Selected SSA Components for Sullivan County, Tennessee vs Neighbors



Chapter 46. Sullivan County, Tennessee

Selected SSA Components for Sullivan County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	-14	487	103	384	1,395
32	Other retail	-44	731	-175	906	3,636
45	Federal Reserve banks, ...	-16	290	73	217	1,334
53	Miscellaneous profession ...	-18	548	63	485	1,734
54	Management of companies ...	-7	803	487	316	1,247
55	Administrative and ...	-40	1,302	473	829	3,911
57	Educational services	-50	997	744	253	4,302
58	Ambulatory health care ...	-62	708	1,571	-863	4,776
65	Food services and drinking ...	-72	1,828	1,112	716	6,559
68	Government	-35	456	519	-63	2,734

Chapter 47. Unicoi County, Tennessee

Employment in Unicoi County, Tennessee, declined from 5,995 in 2005 to 4,838 in 2018, for a change of -1,157, or -19.3%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Unicoi County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	675	-1,836	-334	-1,502
vs. Appalachia	17	-1,181	39	-1,220
vs. Neighbors	-266	-901	-93	-808

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Unicoi County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 47. Unicoi County, Tennessee

Industry Group Membership for Unicoi County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
31	General merchandise ...	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a iii	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
63	Amusements, gambling, ...	B V b iii	yes	no	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Unicoi County, Tennessee vs. the United States

Groups a, b, and c are from Unicoi County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Unicoi County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Unicoi County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Unicoi County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Unicoi County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Unicoi County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

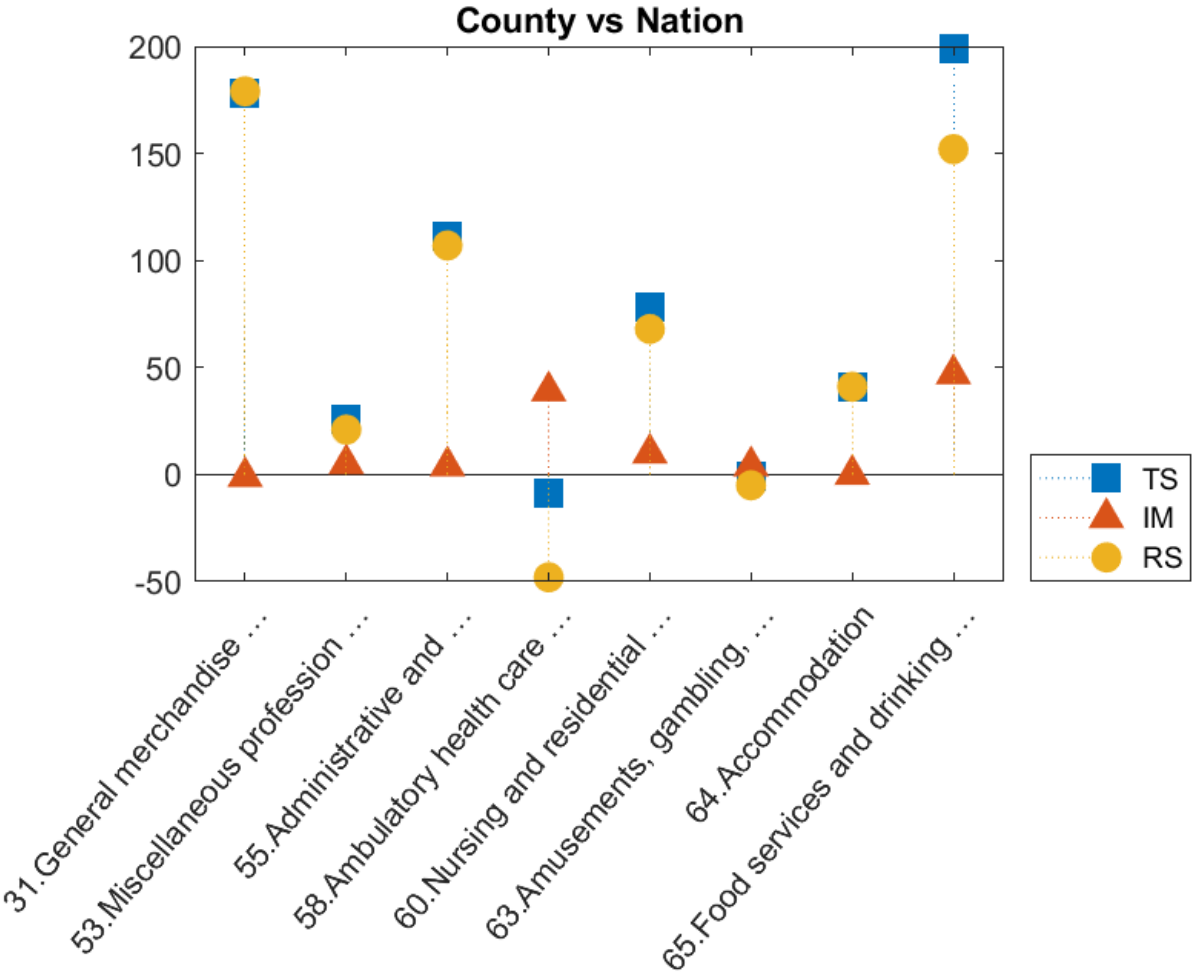
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Unicoi County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Unicoi County, Tennessee vs the U.S.

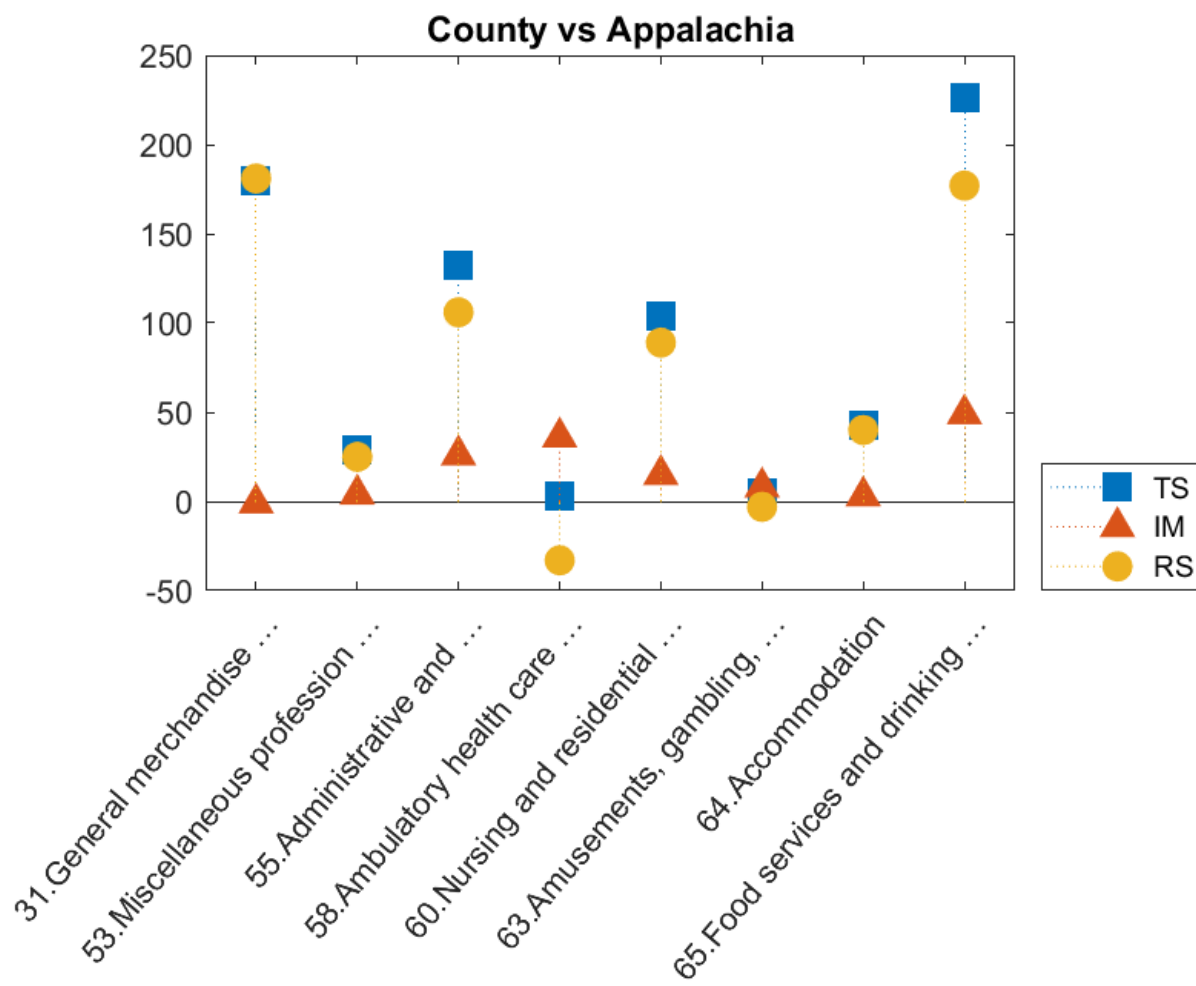


Chapter 47. Unicoi County, Tennessee

Unicoi County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	2	178	-1	179	202
53	Miscellaneous profession ...	3	26	5	21	58
55	Administrative and ...	21	111	4	107	320
58	Ambulatory health care ...	13	-9	39	-48	116
60	Nursing and residential ...	26	78	10	68	338
63	Amusements, gambling, ...	6	-1	4	-5	60
64	Accommodation	2	41	0	41	59
65	Food services and drinking ...	28	199	47	152	474

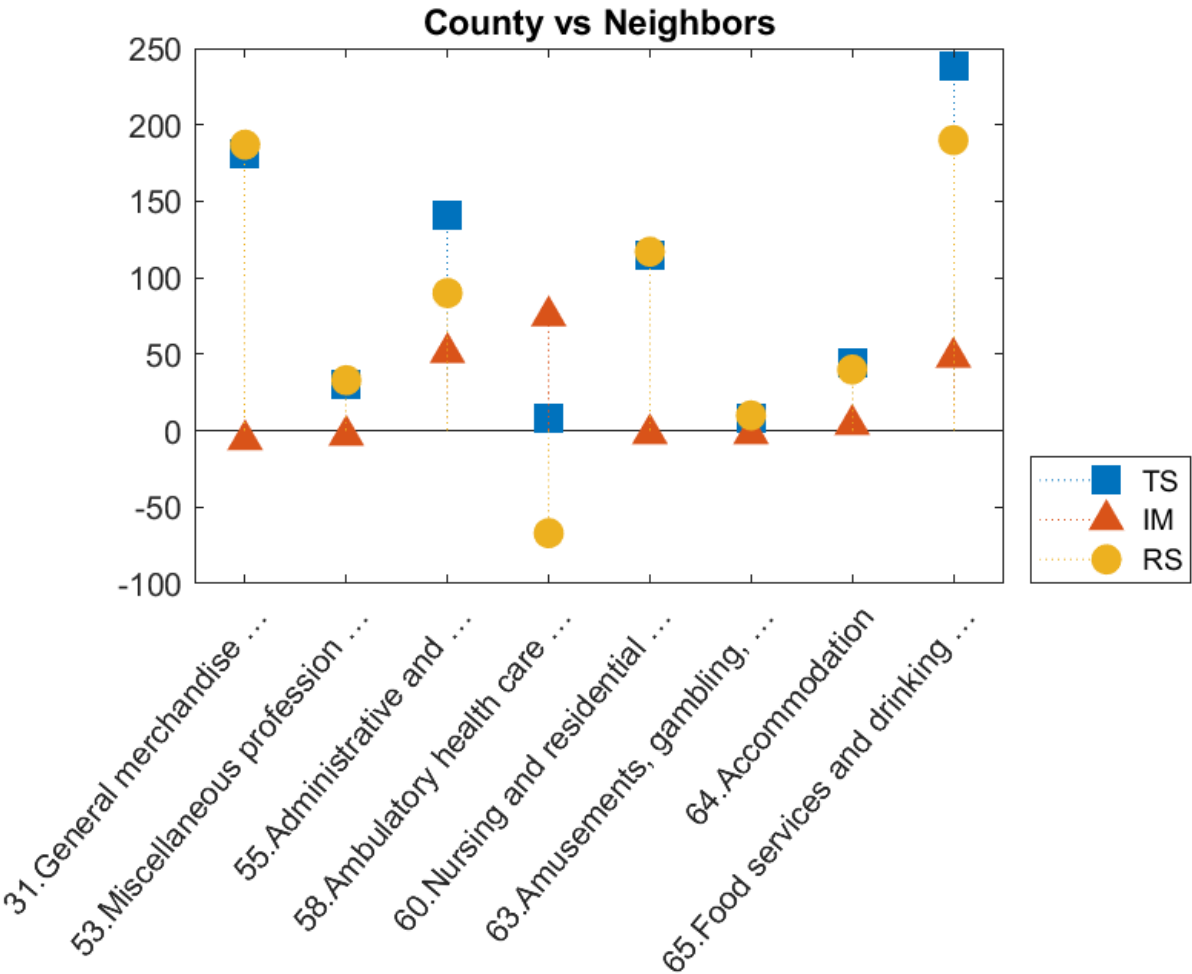
Selected SSA Components for Unicoi County, Tennessee vs the Appalachian Region



Selected SSA Components for Unicoi County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	0	180	-1	181	202
53	Miscellaneous profession ...	0	29	4	25	58
55	Administrative and ...	1	132	26	106	320
58	Ambulatory health care ...	0	3	36	-33	116
60	Nursing and residential ...	1	104	15	89	338
63	Amusements, gambling, ...	0	5	8	-3	60
64	Accommodation	0	43	3	40	59
65	Food services and drinking ...	1	226	49	177	474

Selected SSA Components for Unicoi County, Tennessee vs Neighbors



**Selected SSA Components for Unicoi County, Tennessee vs Neighbors for
Selected Industries**

Industry	Name	NS	TS	IM	RS	Employment 2018
31	General merchandise ...	-1	181	-6	187	202
53	Miscellaneous profession ...	-1	30	-3	33	58
55	Administrative and ...	-8	141	51	90	320
58	Ambulatory health care ...	-5	8	75	-67	116
60	Nursing and residential ...	-10	115	-2	117	338
63	Amusements, gambling, ...	-2	8	-2	10	60
64	Accommodation	-1	44	4	40	59
65	Food services and drinking ...	-11	238	48	190	474

Chapter 48. Union County, Tennessee

Employment in Union County, Tennessee, declined from 3,764 in 2005 to 2,476 in 2018, for a change of -1,288, or -34.22%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Union County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	424	-1,711	-160	-1,551
vs. Appalachia	9	-1,299	-38	-1,261
vs. Neighbors	198	-1,482	32	-1,514

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Union County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 48. Union County, Tennessee

Industry Group Membership for Union County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
19	Miscellaneous manufac ...	F III c iii	no	yes	yes	yes
26	Chemical products	F I a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a iii	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Union County, Tennessee vs. the United States

Groups a, b, and c are from Union County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Union County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Union County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Union County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Union County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Union County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

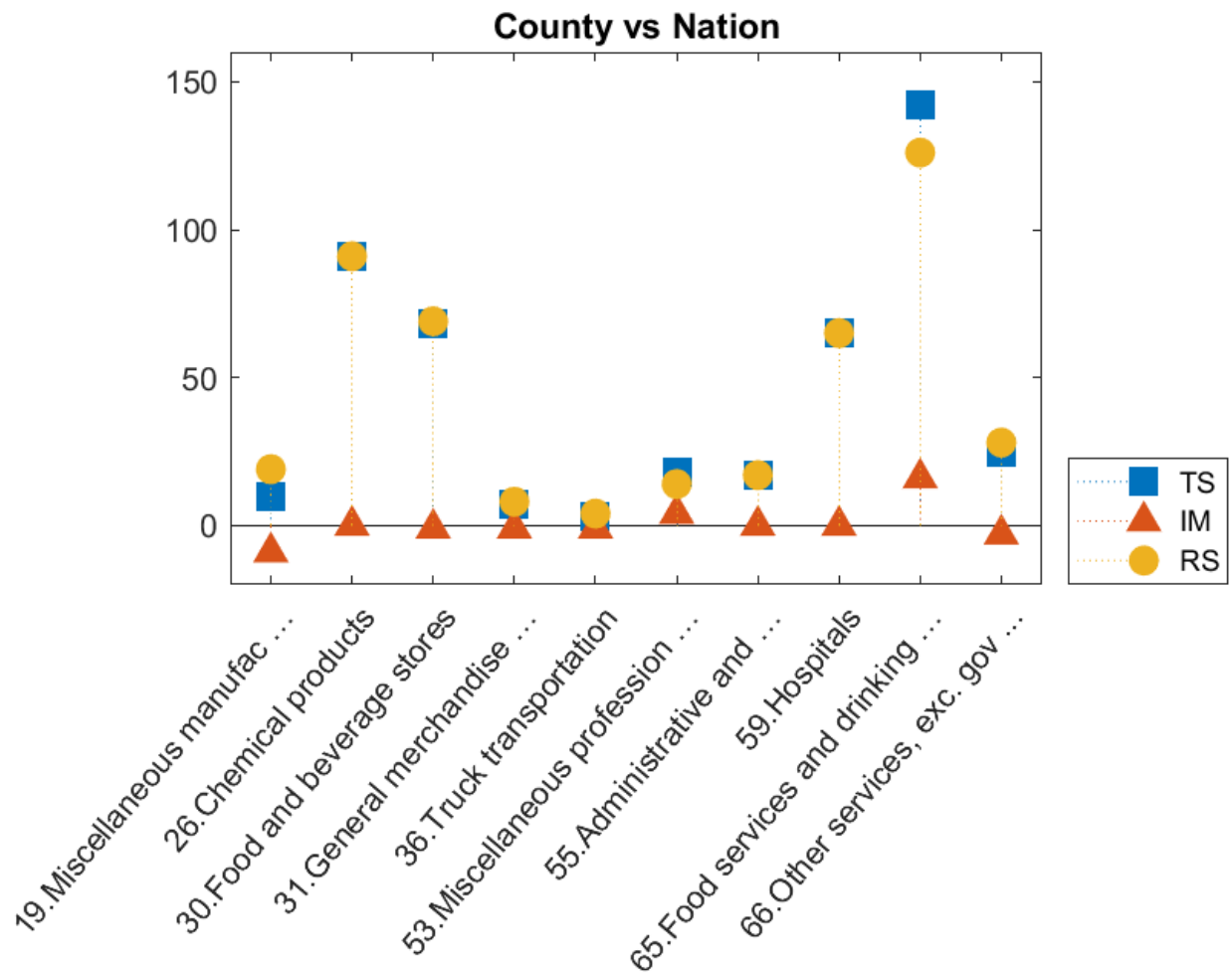
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Union County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Union County, Tennessee vs the U.S.

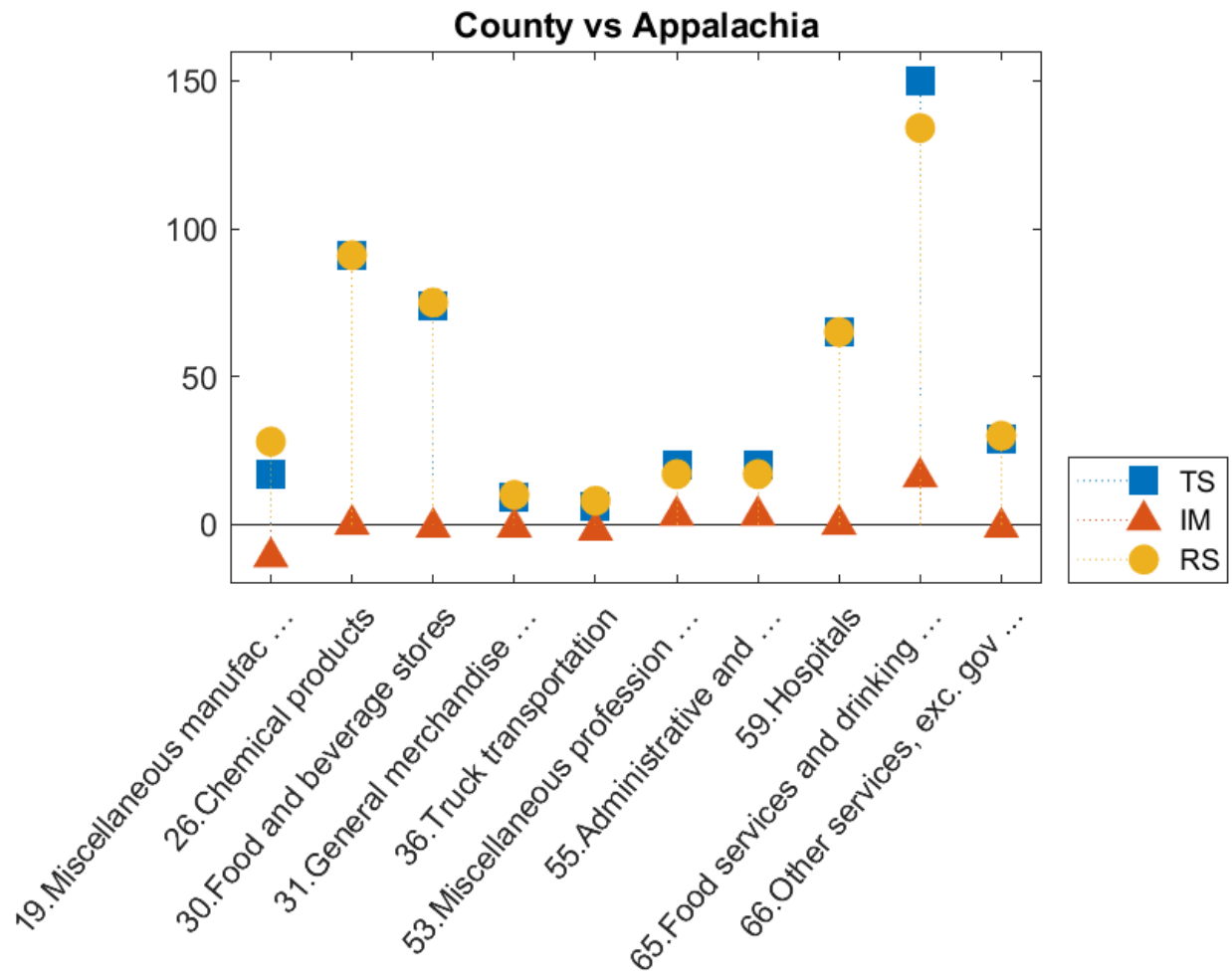


Chapter 48. Union County, Tennessee

Union County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
19	Miscellaneous manufac ...	6	10	-9	19	70
26	Chemical products	0	91	0	91	91
30	Food and beverage stores	6	68	-1	69	128
31	General merchandise ...	3	7	-1	8	33
36	Truck transportation	3	3	-1	4	31
53	Miscellaneous profession ...	2	18	4	14	41
55	Administrative and ...	2	17	0	17	41
59	Hospitals	0	65	0	65	65
65	Food services and drinking ...	9	142	16	126	232
66	Other services, exc. gov ...	4	25	-3	28	64

Selected SSA Components for Union County, Tennessee vs the Appalachian Region

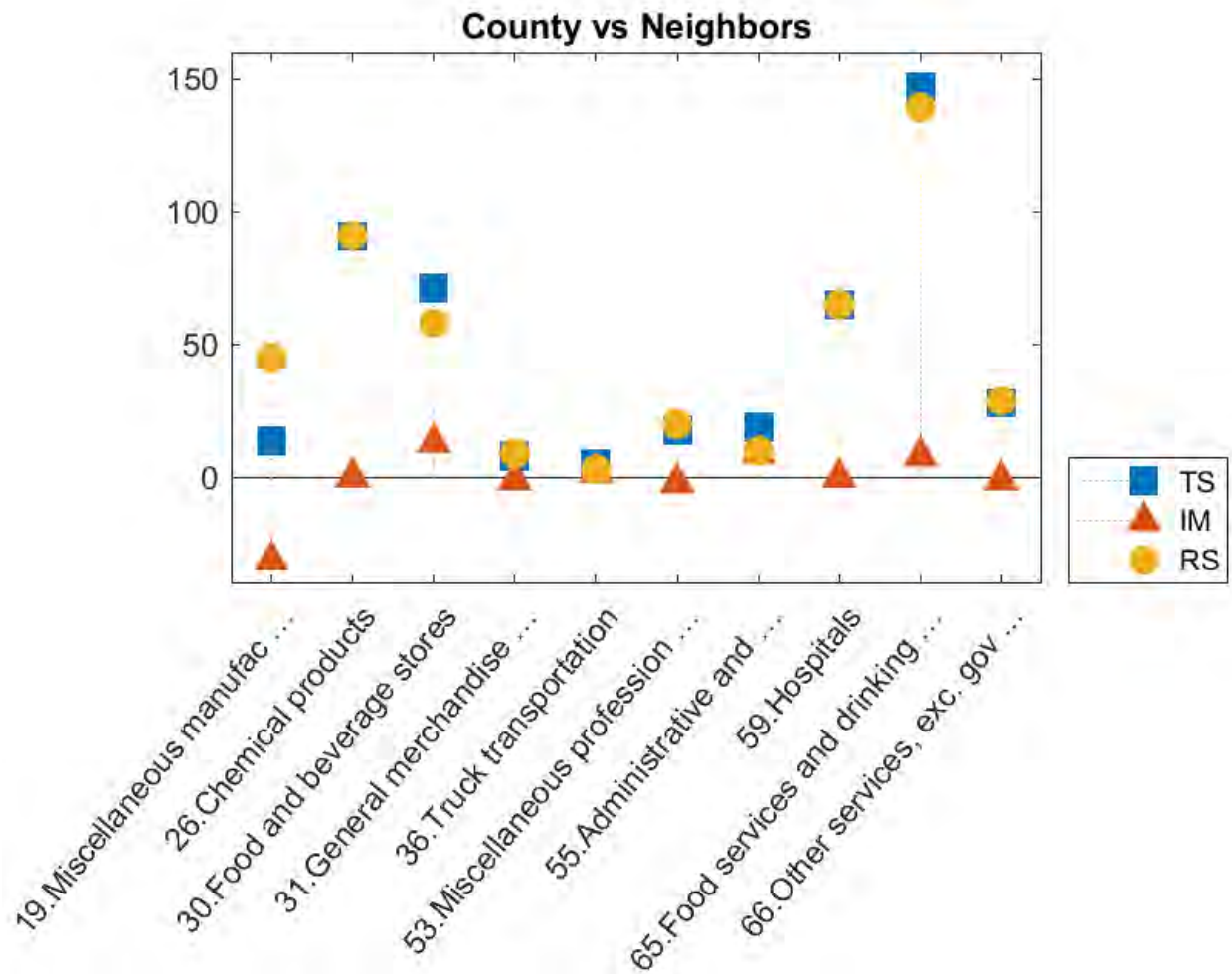


Chapter 48. Union County, Tennessee

Selected SSA Components for Union County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
19	Miscellaneous manufac ...	0	17	-11	28	70
26	Chemical products	0	91	0	91	91
30	Food and beverage stores	0	74	-1	75	128
31	General merchandise ...	0	9	-1	10	33
36	Truck transportation	0	6	-2	8	31
53	Miscellaneous profession ...	0	20	3	17	41
55	Administrative and ...	0	20	3	17	41
59	Hospitals	0	65	0	65	65
65	Food services and drinking ...	0	150	16	134	232
66	Other services, exc. gov ...	0	29	-1	30	64

Selected SSA Components for Union County, Tennessee vs Neighbors



Chapter 48. Union County, Tennessee

Selected SSA Components for Union County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
19	Miscellaneous manufac ...	3	14	-31	45	70
26	Chemical products	0	91	0	91	91
30	Food and beverage stores	3	71	13	58	128
31	General merchandise ...	1	8	-1	9	33
36	Truck transportation	1	5	2	3	31
53	Miscellaneous profession ...	1	18	-2	20	41
55	Administrative and ...	1	19	9	10	41
59	Hospitals	0	65	0	65	65
65	Food services and drinking ...	4	147	8	139	232
66	Other services, exc. gov ...	2	28	-1	29	64

Chapter 49. Van Buren County, Tennessee

Employment in Van Buren County, Tennessee, declined from 1,771 in 2005 to 812 in 2018, for a change of -959, or -54.15%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Van Buren County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	199	-1,160	-127	-1,033
vs. Appalachia	4	-963	-21	-942
vs. Neighbors	-132	-827	261	-1,088

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Van Buren County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 49. Van Buren County, Tennessee

Industry Group Membership for Van Buren County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
30	Food and beverage stores	F I a i	no	yes	yes	yes
39	Other transportation ...	E I a i	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F I a ii	no	yes	yes	yes
67	Postal service	D III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Van Buren County, Tennessee vs. the United States

Groups a, b, and c are from Van Buren County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Van Buren County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Van Buren County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Van Buren County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Van Buren County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Van Buren County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

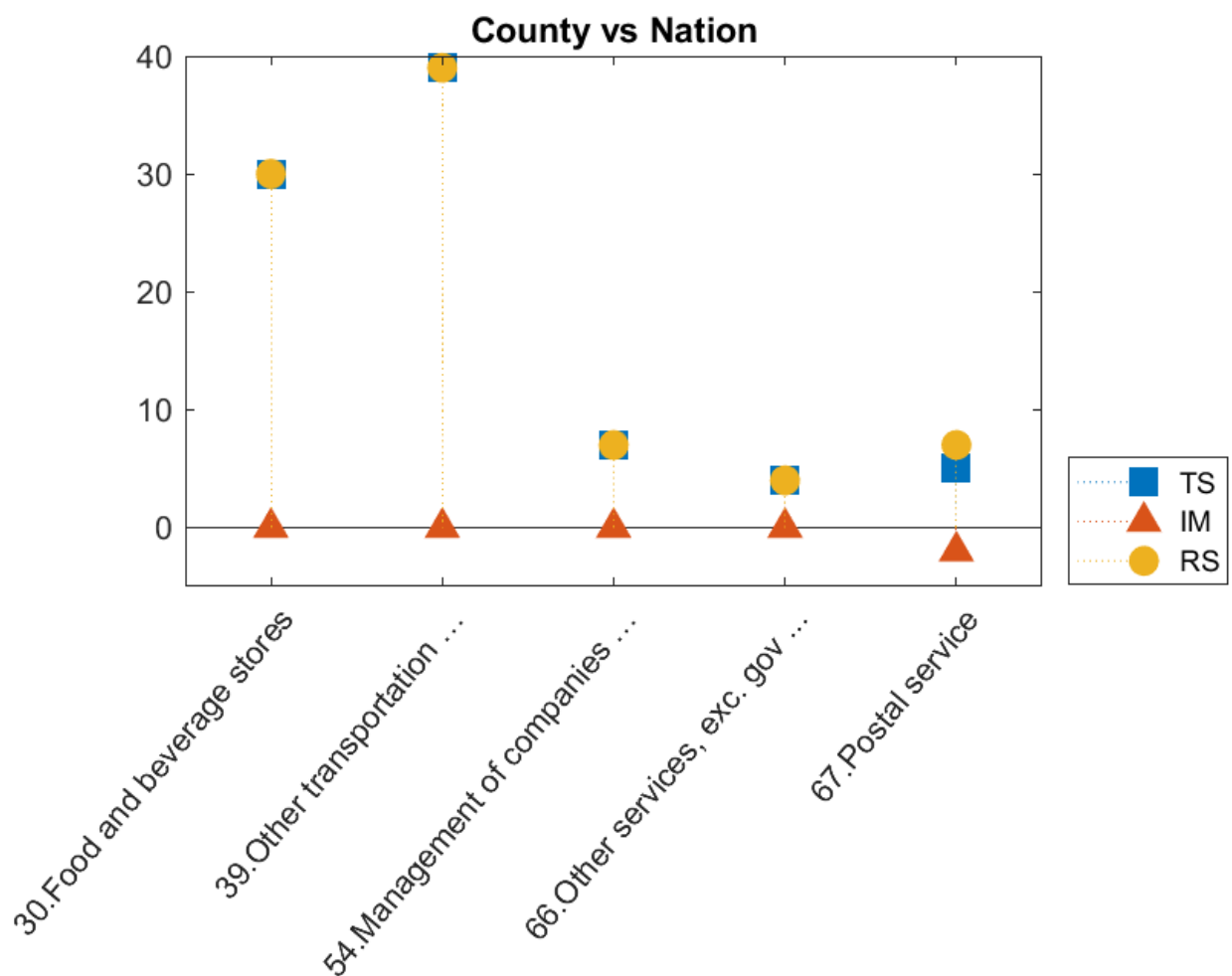
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Van Buren County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Van Buren County, Tennessee vs the U.S.

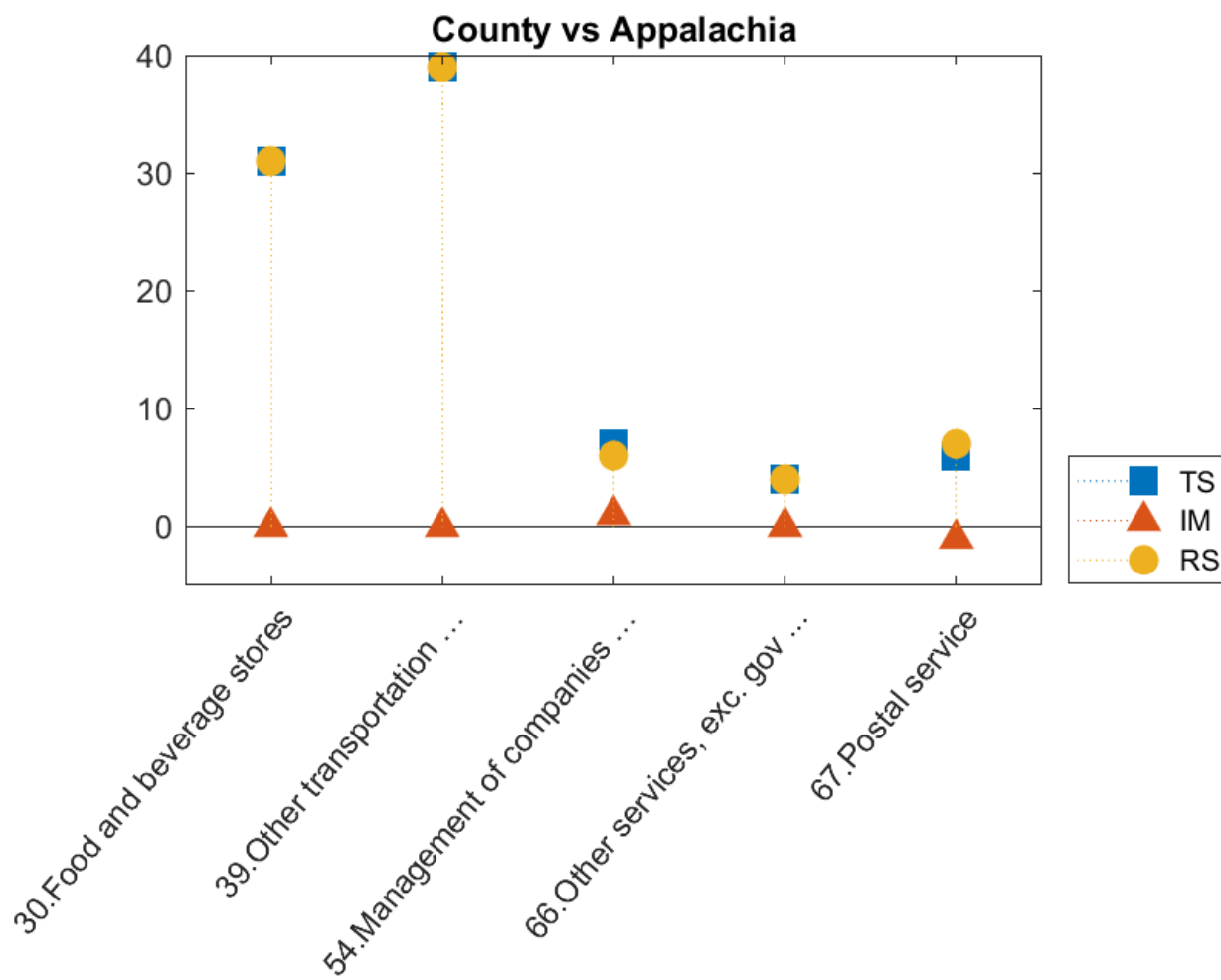


Chapter 49. Van Buren County, Tennessee

Van Buren County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	1	30	-0	30	35
39	Other transportation ...	0	39	0	39	39
54	Management of companies ...	0	7	0	7	9
66	Other services, exc. gov ...	1	4	-0	4	10
67	Postal service	1	5	-2	7	11

Selected SSA Components for Van Buren County, Tennessee vs the Appalachian Region

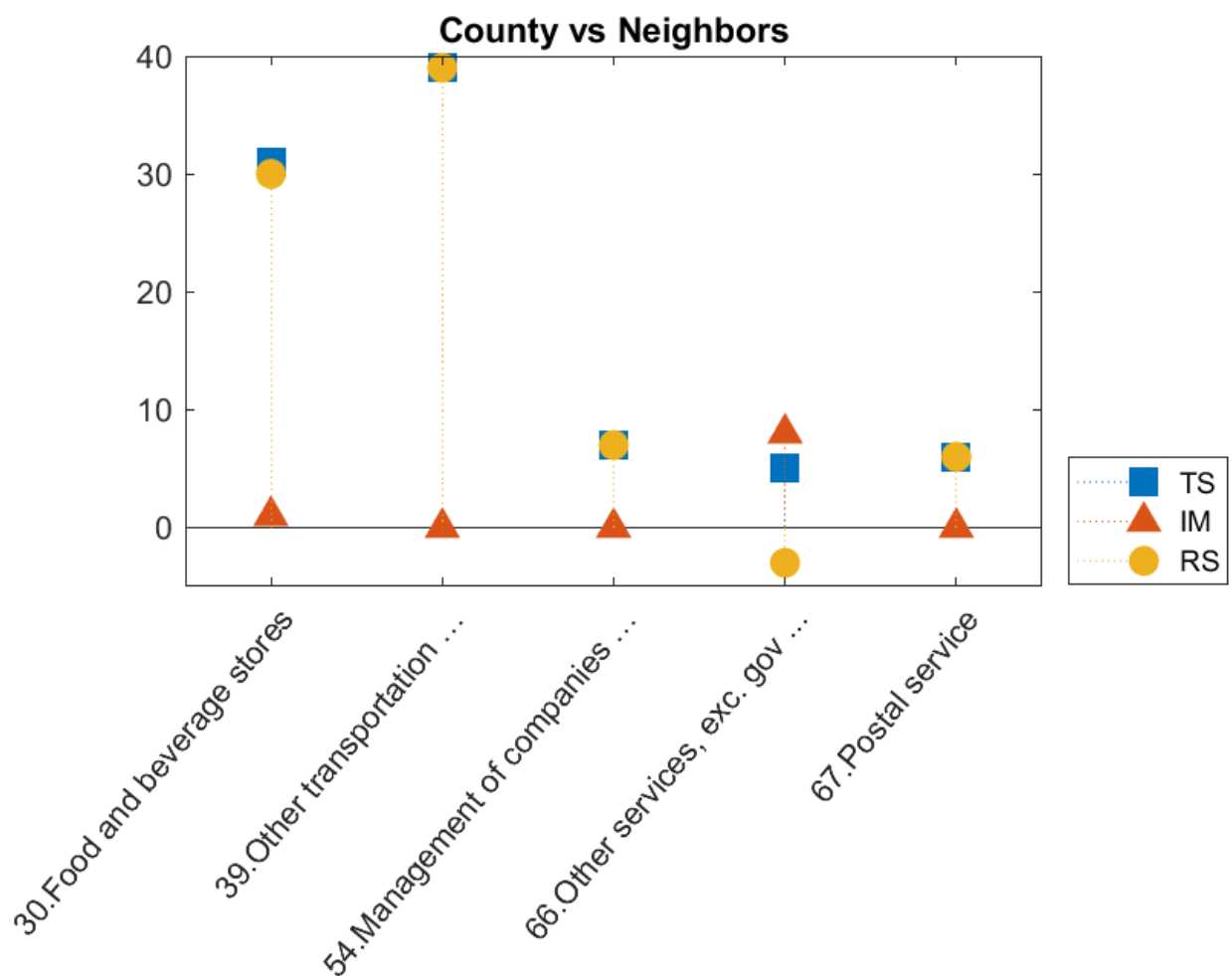


Chapter 49. Van Buren County, Tennessee

Selected SSA Components for Van Buren County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	0	31	-0	31	35
39	Other transportation ...	0	39	0	39	39
54	Management of companies ...	0	7	1	6	9
66	Other services, exc. gov ...	0	4	-0	4	10
67	Postal service	0	6	-1	7	11

Selected SSA Components for Van Buren County, Tennessee vs Neighbors



Chapter 49. Van Buren County, Tennessee

Selected SSA Components for Van Buren County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
30	Food and beverage stores	-0	31	1	30	35
39	Other transportation ...	-0	39	0	39	39
54	Management of companies ...	-0	7	0	7	9
66	Other services, exc. gov ...	-0	5	8	-3	10
67	Postal service	-0	6	0	6	11

Chapter 50. Warren County, Tennessee

Employment in Warren County, Tennessee, declined from 14,828 in 2005 to 12,689 in 2018, for a change of -2,139, or -14.43%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Warren County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,674	-3,807	-1,225	-2,582
vs. Appalachia	49	-2,186	-346	-1,840
vs. Neighbors	-1,359	-786	-905	119

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Warren County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 50. Warren County, Tennessee

Industry Group Membership for Warren County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
26	Chemical products	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B II b i	yes	yes	yes	yes
59	Hospitals	E I a iii	no	yes	yes	yes
60	Nursing and residential ...	E I a ii	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Warren County, Tennessee vs. the United States

Groups a, b, and c are from Warren County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Warren County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Warren County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Warren County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Warren County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Warren County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

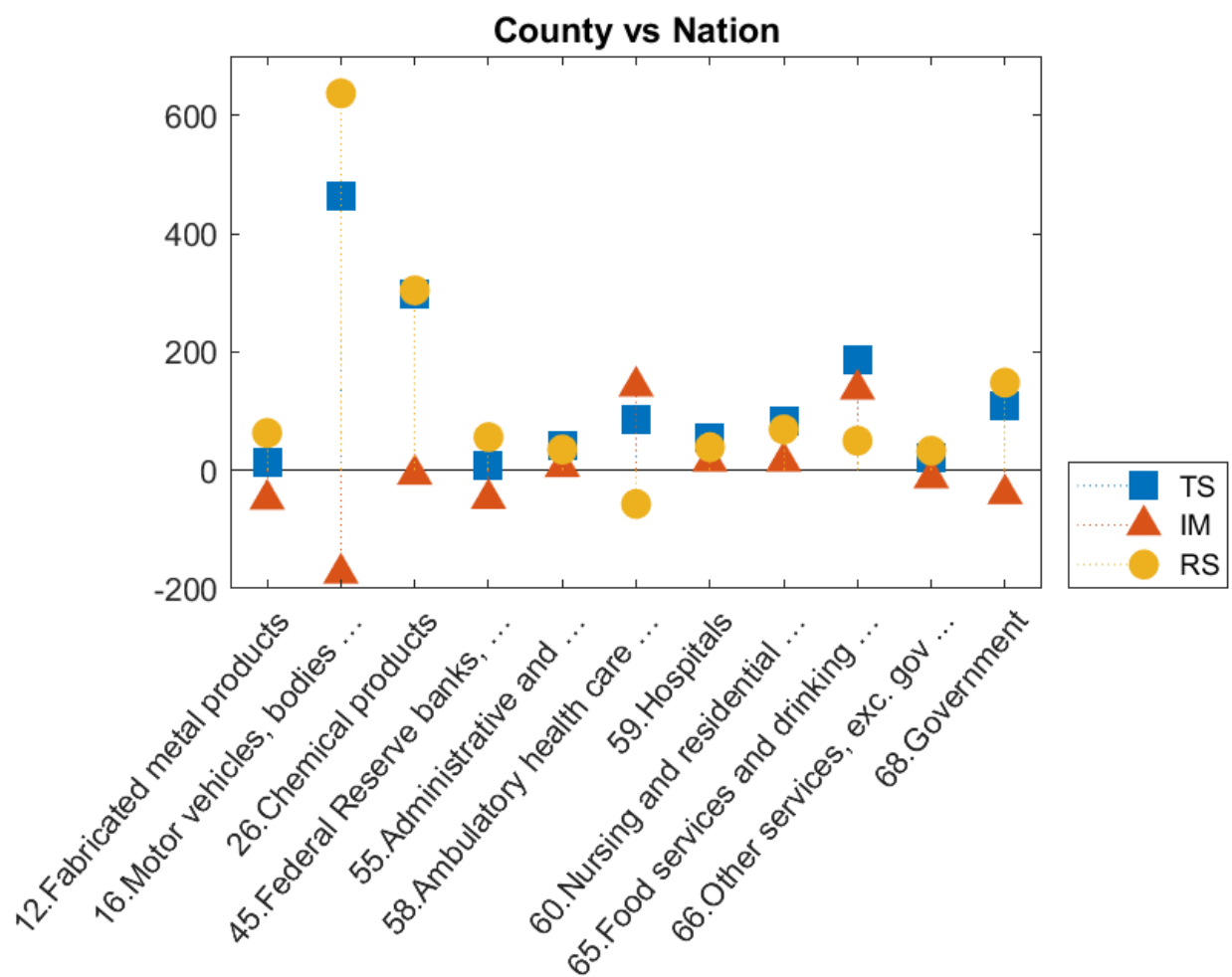
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Warren County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Warren County, Tennessee vs the U.S.

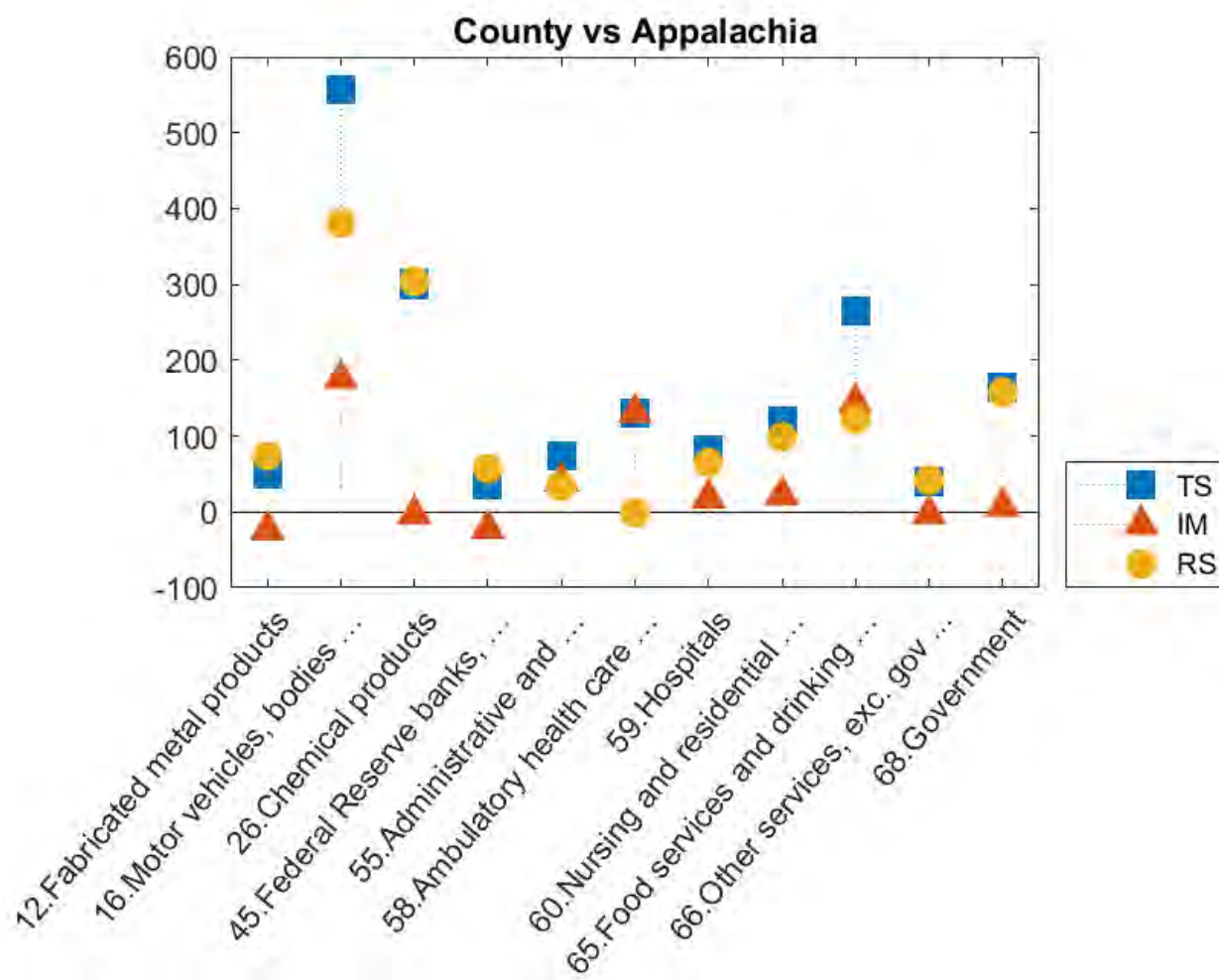


Chapter 50. Warren County, Tennessee

Warren County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	38	14	-49	63	384
16	Motor vehicles, bodies ...	97	463	-174	637	1,423
26	Chemical products	5	297	-7	304	344
45	Federal Reserve banks, ...	28	8	-48	56	284
55	Administrative and ...	33	41	6	35	366
58	Ambulatory health care ...	46	85	142	-57	537
59	Hospitals	30	54	15	39	350
60	Nursing and residential ...	38	84	15	69	460
65	Food services and drinking ...	81	187	137	50	987
66	Other services, exc. gov ...	19	20	-13	33	205
68	Government	59	108	-40	148	693

Selected SSA Components for Warren County, Tennessee vs the Appalachian Region

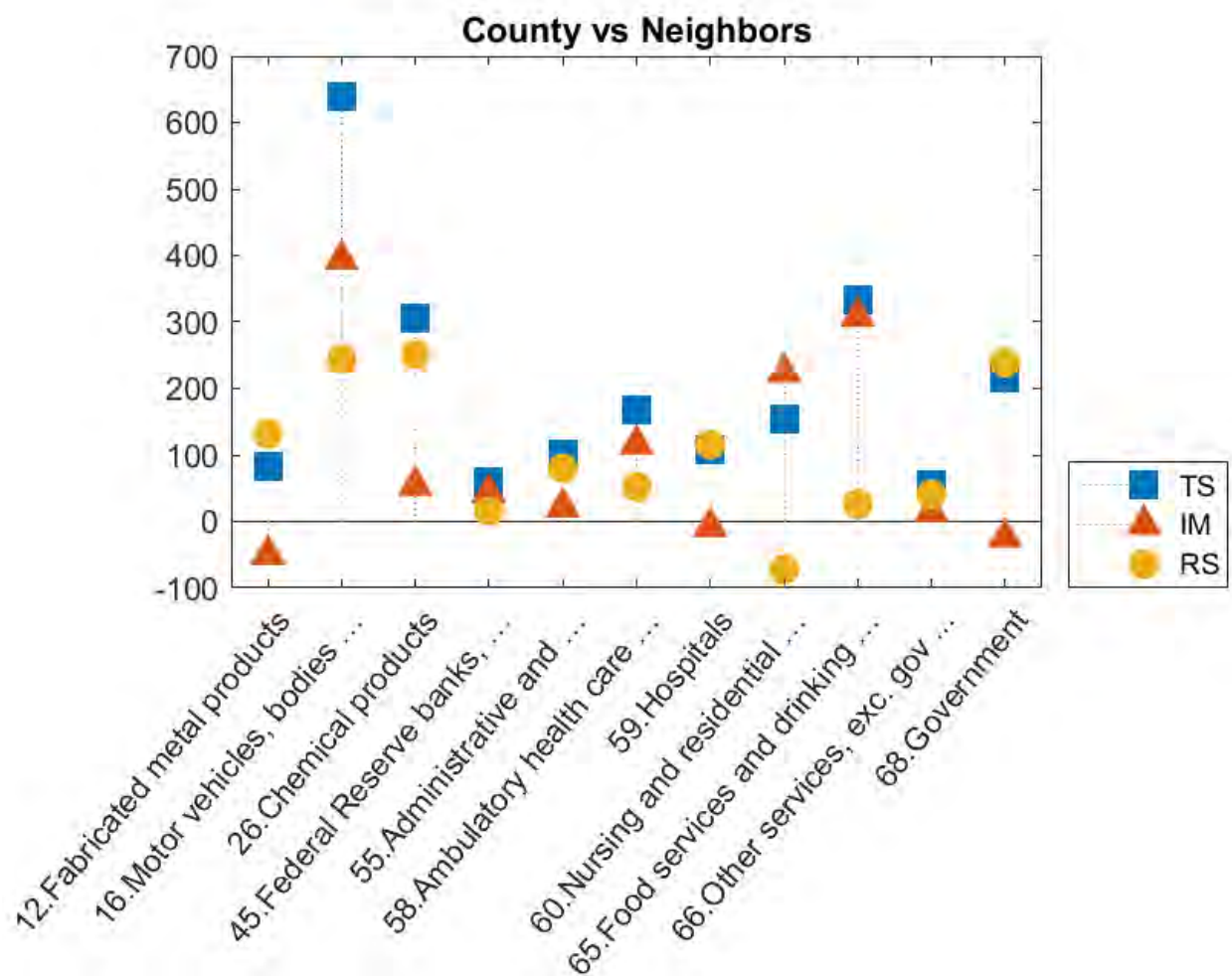


Chapter 50. Warren County, Tennessee

Selected SSA Components for Warren County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	1	50	-24	74	384
16	Motor vehicles, bodies ...	3	557	176	381	1,423
26	Chemical products	0	301	-3	304	344
45	Federal Reserve banks, ...	1	35	-22	57	284
55	Administrative and ...	1	74	40	34	366
58	Ambulatory health care ...	1	130	131	-1	537
59	Hospitals	1	83	18	65	350
60	Nursing and residential ...	1	121	22	99	460
65	Food services and drinking ...	2	266	144	122	987
66	Other services, exc. gov ...	1	39	-3	42	205
68	Government	2	165	7	158	693

Selected SSA Components for Warren County, Tennessee vs Neighbors



Chapter 50. Warren County, Tennessee

Selected SSA Components for Warren County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	-31	82	-50	132	384
16	Motor vehicles, bodies ...	-79	638	394	244	1,423
26	Chemical products	-4	305	54	251	344
45	Federal Reserve banks, ...	-23	59	43	16	284
55	Administrative and ...	-27	101	21	80	366
58	Ambulatory health care ...	-37	168	116	52	537
59	Hospitals	-24	108	-8	116	350
60	Nursing and residential ...	-31	153	225	-72	460
65	Food services and drinking ...	-66	334	308	26	987
66	Other services, exc. gov ...	-15	55	14	41	205
68	Government	-48	215	-24	239	693

Chapter 51. Washington County, Tennessee

Employment in Washington County, Tennessee, grew from 59,231 in 2005 to 61,447 in 2018, for a change of 2,216, or 3.74%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Washington County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	6,683	-4,464	-1,022	-3,442
vs. Appalachia	201	2,018	820	1,198
vs. Neighbors	-974	3,191	1,524	1,667

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Washington County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 51. Washington County, Tennessee

Industry Group Membership for Washington County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
32	Other retail	F III c i	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
61	Social assistance	B V b i	yes	no	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Washington County, Tennessee vs. the United States

Groups a, b, and c are from Washington County, Tennessee vs. Appalachia

Groups i, ii, and iii are from Washington County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Washington County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Washington County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Washington County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Washington County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

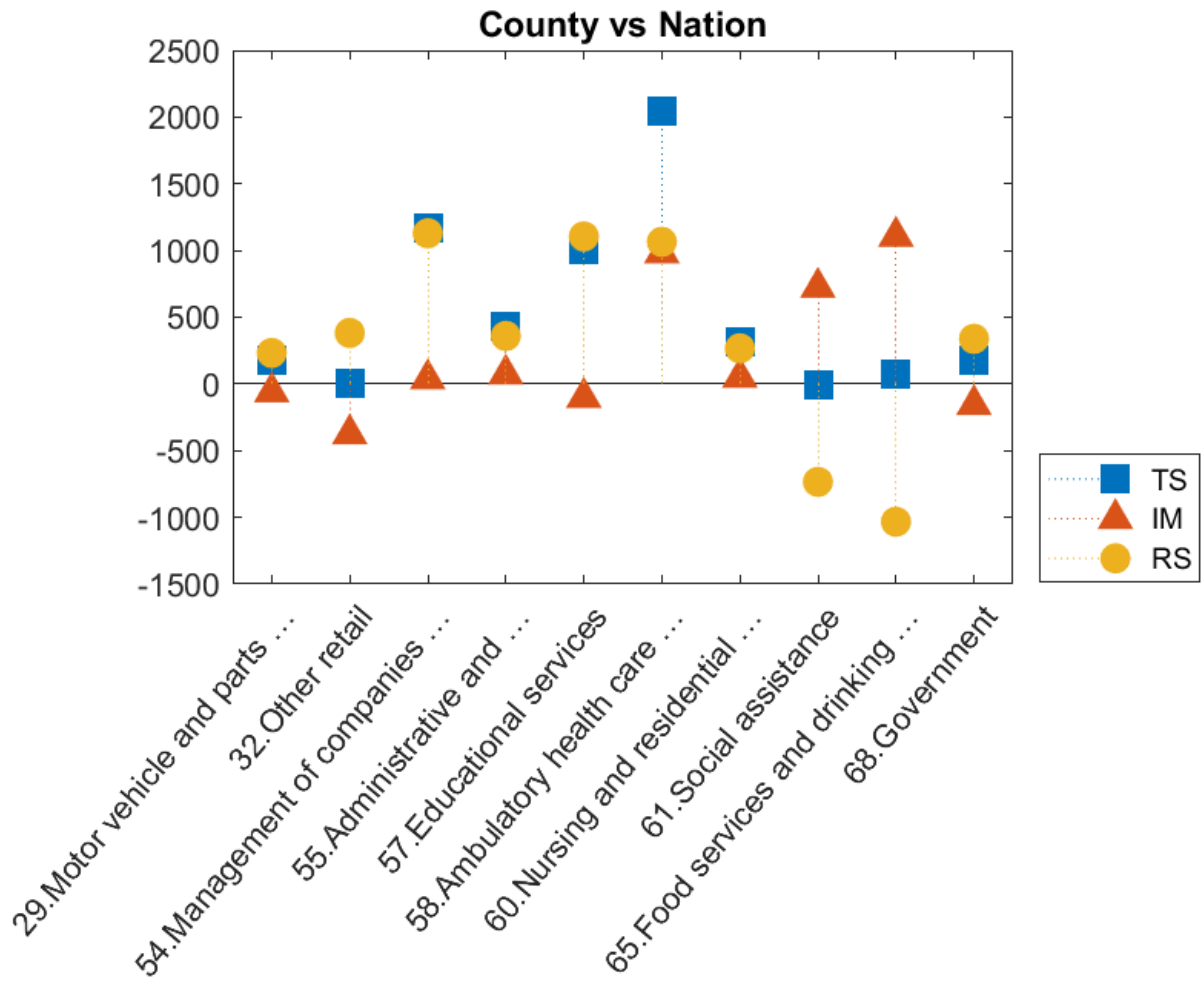
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Washington County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Washington County, Tennessee vs the U.S.

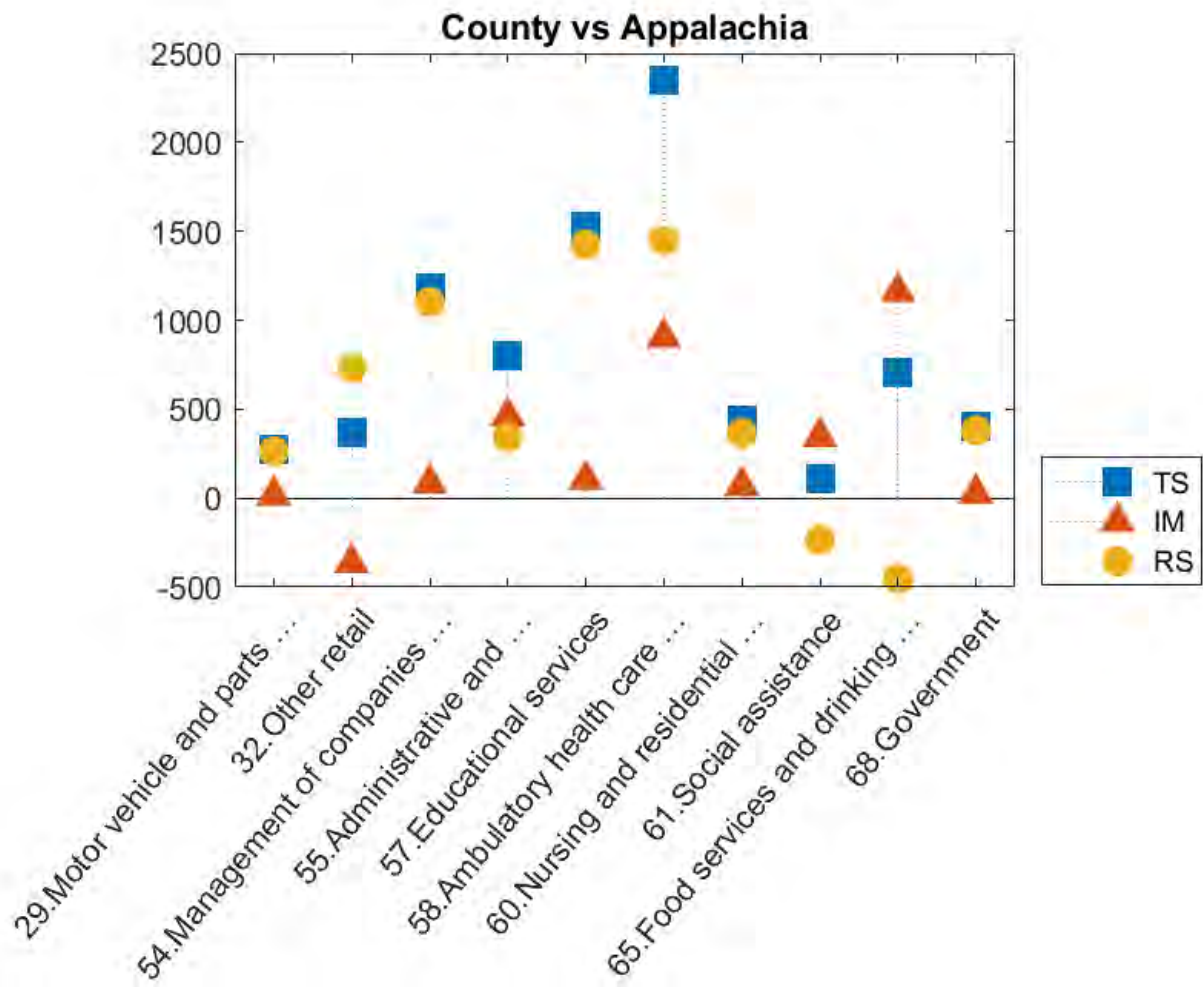


Chapter 51. Washington County, Tennessee

Washington County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
29	Motor vehicle and parts ...	110	172	-60	232	1,258
32	Other retail	377	7	-375	382	3,725
54	Management of companies ...	18	1,167	38	1,129	1,346
55	Administrative and ...	380	433	73	360	4,184
57	Educational services	544	1,003	-102	1,105	6,376
58	Ambulatory health care ...	316	2,047	982	1,065	5,161
60	Nursing and residential ...	125	316	49	267	1,545
61	Social assistance	124	-11	723	-734	1,216
65	Food services and drinking ...	654	73	1,106	-1,033	6,528
68	Government	232	182	-156	338	2,472

Selected SSA Components for Washington County, Tennessee vs the
Appalachian Region

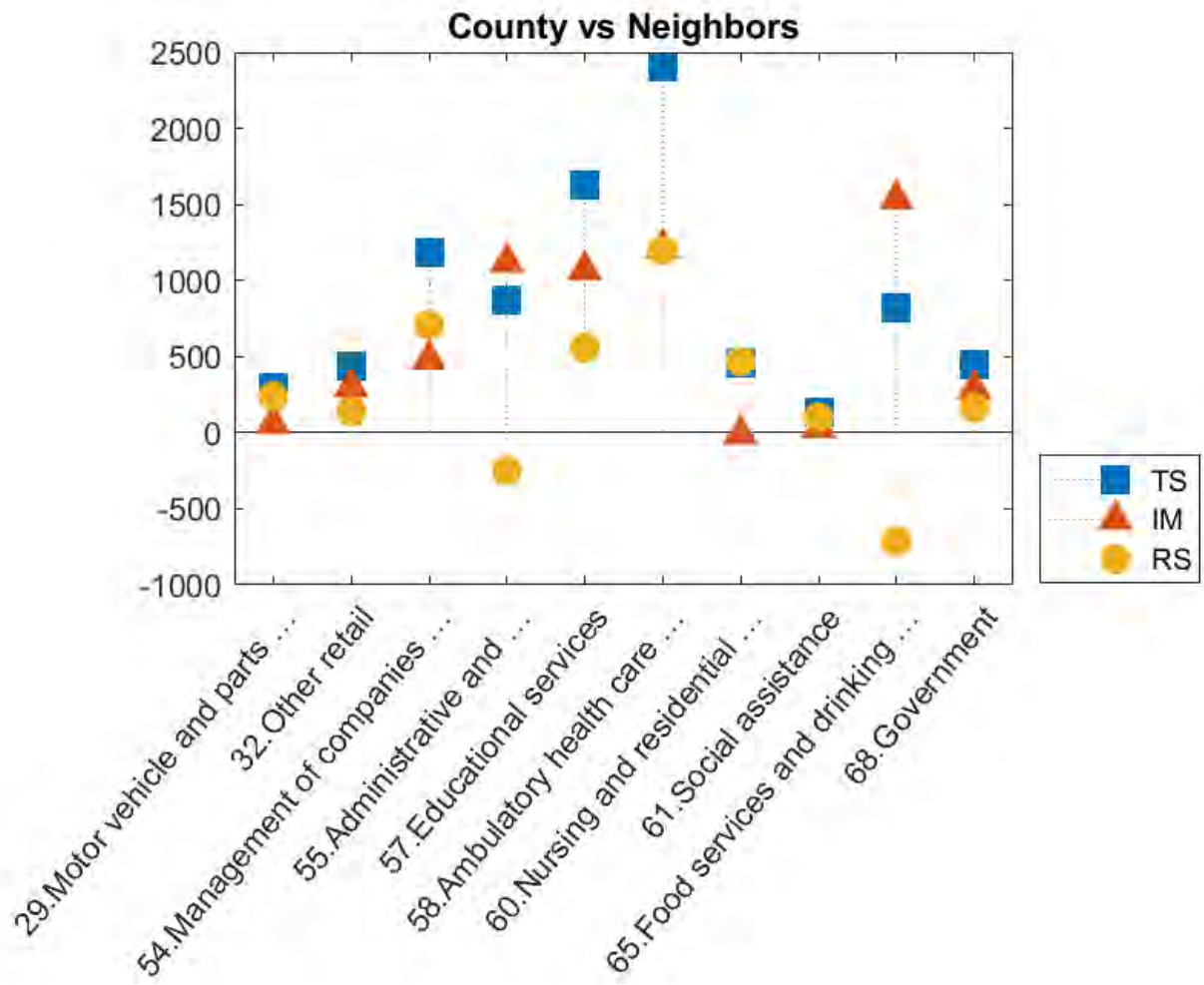


Chapter 51. Washington County, Tennessee

Selected SSA Components for Washington County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
29	Motor vehicle and parts ...	3	278	15	263	1,258
32	Other retail	11	372	-364	736	3,725
54	Management of companies ...	1	1,185	83	1,102	1,346
55	Administrative and ...	11	802	459	343	4,184
57	Educational services	16	1,531	105	1,426	6,376
58	Ambulatory health care ...	10	2,353	904	1,449	5,161
60	Nursing and residential ...	4	437	71	366	1,545
61	Social assistance	4	110	345	-235	1,216
65	Food services and drinking ...	20	707	1,160	-453	6,528
68	Government	7	407	27	380	2,472

Selected SSA Components for Washington County, Tennessee vs Neighbors



Chapter 51. Washington County, Tennessee

Selected SSA Components for Washington County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
29	Motor vehicle and parts ...	-16	298	59	239	1,258
32	Other retail	-55	439	300	139	3,725
54	Management of companies ...	-3	1,188	481	707	1,346
55	Administrative and ...	-55	868	1,119	-251	4,184
57	Educational services	-79	1,627	1,070	557	6,376
58	Ambulatory health care ...	-46	2,408	1,212	1,196	5,161
60	Nursing and residential ...	-18	458	-10	468	1,545
61	Social assistance	-18	132	31	101	1,216
65	Food services and drinking ...	-95	822	1,535	-713	6,528
68	Government	-34	447	284	163	2,472

Chapter 52. White County, Tennessee

Employment in White County, Tennessee, declined from 9,025 in 2005 to 7,128 in 2018, for a change of -1,897, or -21.02%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for White County, Tennessee

County Summary	NS	TS	IM	RS
vs. U.S.	1,018	-2,915	-670	-2,245
vs. Appalachia	28	-1,927	-381	-1,546
vs. Neighbors	-77	-1,818	-220	-1,598

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to White County, Tennessee, in comparison to at least one of the three referent regions.

Chapter 52. White County, Tennessee

Industry Group Membership for White County, Tennessee

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
17	Other transportation ...	F III c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D III a iii	no	yes	yes	yes
28	Wholesale trade	F III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
40	Warehousing and storage	E I a iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
61	Social assistance	B II b iii	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from White County, Tennessee vs. the United States

Groups a, b, and c are from White County, Tennessee vs. Appalachia

Groups i, ii, and iii are from White County, Tennessee vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing White County, Tennessee, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by White County, Tennessee, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in White County, Tennessee, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that White County, Tennessee, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

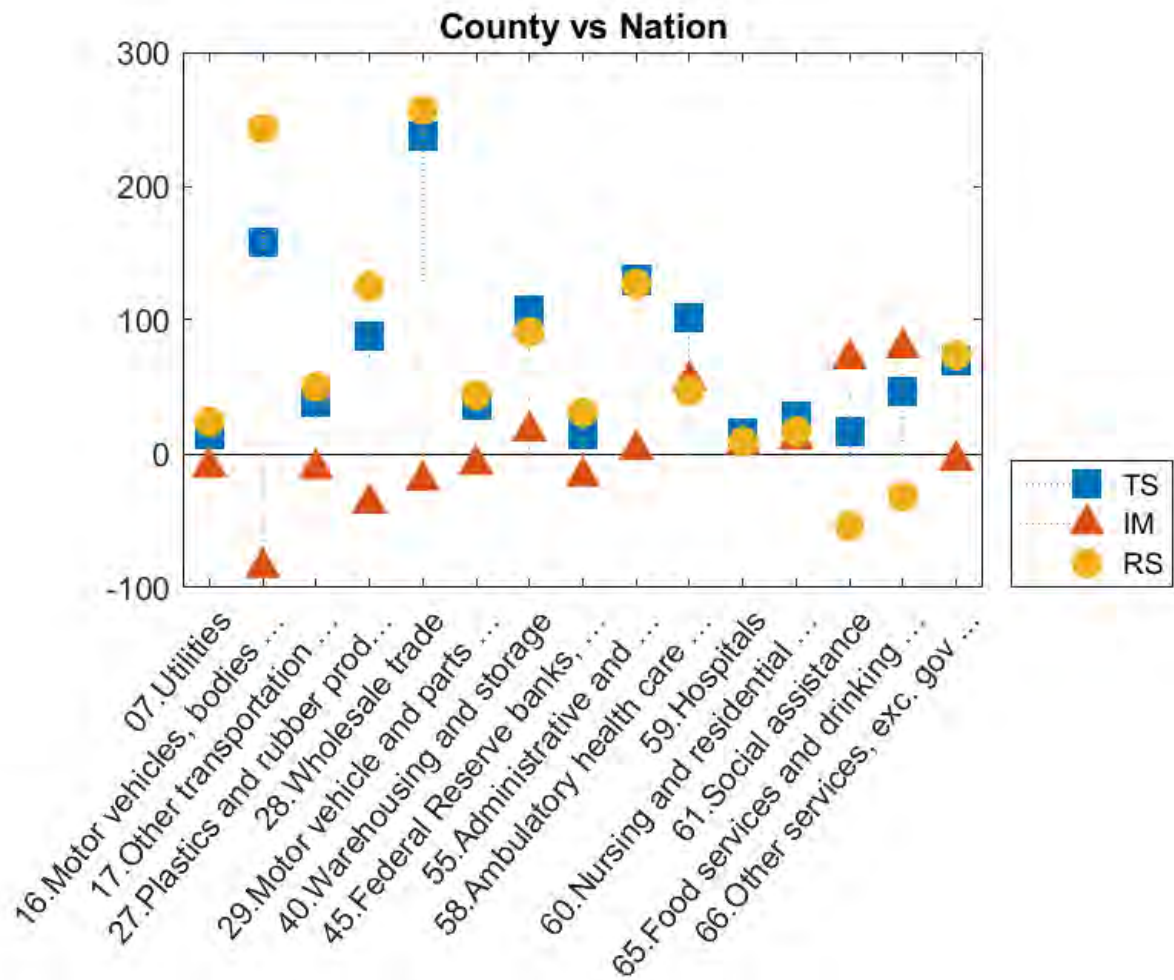
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in White County, Tennessee, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

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Selected SSA Components for White County, Tennessee vs the U.S.

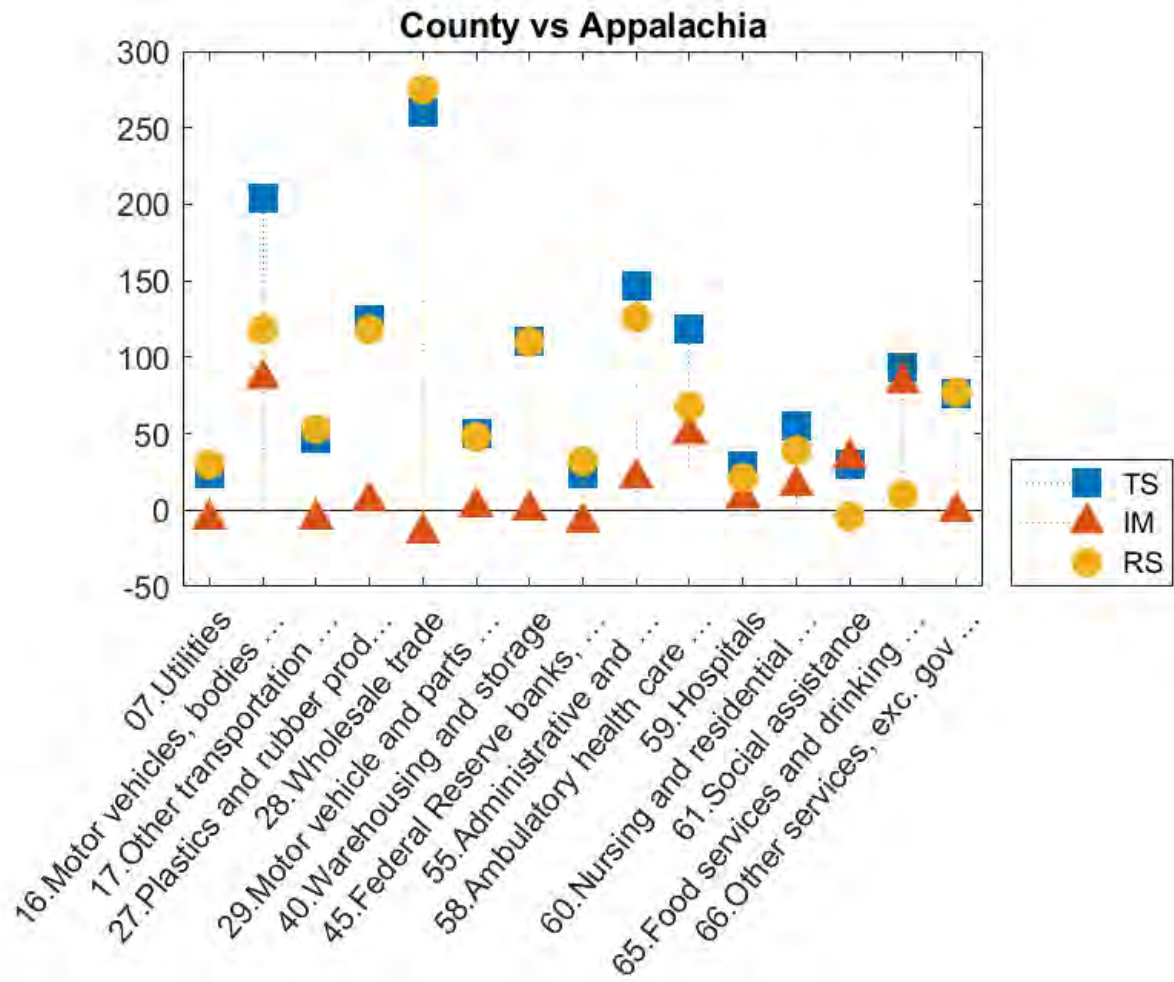


Chapter 52. White County, Tennessee

White County, Tennessee vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	11	14	-10	24	121
16	Motor vehicles, bodies ...	48	158	-85	243	627
17	Other transportation ...	8	39	-11	50	114
27	Plastics and rubber prod...	38	88	-37	125	464
28	Wholesale trade	24	237	-20	257	470
29	Motor vehicle and parts ...	15	36	-8	44	184
40	Warehousing and storage	2	108	17	91	131
45	Federal Reserve banks, ...	10	14	-17	31	113
55	Administrative and ...	17	130	3	127	298
58	Ambulatory health care ...	18	102	55	47	275
59	Hospitals	14	16	7	9	155
60	Nursing and residential ...	29	28	11	17	311
61	Social assistance	12	17	71	-54	139
65	Food services and drinking ...	47	47	79	-32	510
66	Other services, exc. gov ...	8	69	-5	74	145

Selected SSA Components for White County, Tennessee vs the Appalachian Region

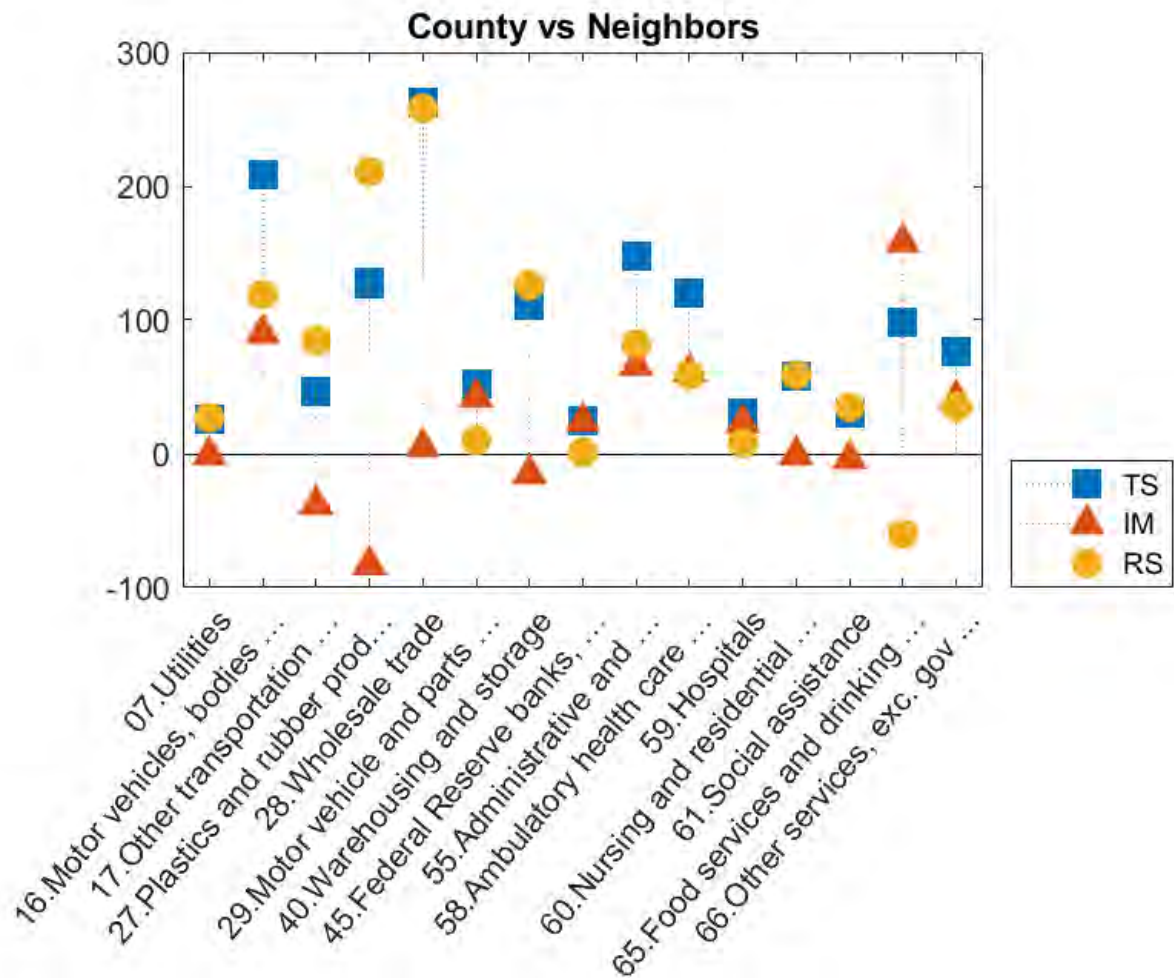


Chapter 52. White County, Tennessee

Selected SSA Components for White County, Tennessee vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	24	-6	30	121
16	Motor vehicles, bodies ...	1	204	86	118	627
17	Other transportation ...	0	47	-6	53	114
27	Plastics and rubber prod...	1	124	6	118	464
28	Wholesale trade	1	260	-15	275	470
29	Motor vehicle and parts ...	0	50	2	48	184
40	Warehousing and storage	0	110	0	110	131
45	Federal Reserve banks, ...	0	24	-8	32	113
55	Administrative and ...	1	147	21	126	298
58	Ambulatory health care ...	1	118	50	68	275
59	Hospitals	0	29	8	21	155
60	Nursing and residential ...	1	55	16	39	311
61	Social assistance	0	30	34	-4	139
65	Food services and drinking ...	1	93	83	10	510
66	Other services, exc. gov ...	0	76	-1	77	145

Selected SSA Components for White County, Tennessee vs Neighbors



Chapter 52. White County, Tennessee

Selected SSA Components for White County, Tennessee vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	-1	26	-1	27	121
16	Motor vehicles, bodies ...	-4	209	90	119	627
17	Other transportation ...	-1	47	-38	85	114
27	Plastics and rubber prod...	-3	128	-83	211	464
28	Wholesale trade	-2	263	5	258	470
29	Motor vehicle and parts ...	-1	52	42	10	184
40	Warehousing and storage	-0	111	-15	126	131
45	Federal Reserve banks, ...	-1	25	24	1	113
55	Administrative and ...	-1	148	66	82	298
58	Ambulatory health care ...	-1	120	61	59	275
59	Hospitals	-1	31	23	8	155
60	Nursing and residential ...	-2	58	-1	59	311
61	Social assistance	-1	31	-4	35	139
65	Food services and drinking ...	-4	98	158	-60	510
66	Other services, exc. gov ...	-1	76	41	35	145