THE Kansas ECONOMIC DATABOOK

A summary of regional economic indicators for the state of Kansas

SUMMARY OF CURRENT KANSAS ECONOMIC CONDITIONS

In Kansas, the unemployment rate was 3.3 percent in December, and total payroll employment grew 1.4 percent compared to the previous year. Employment growth was broad-based across industries, with the strongest gains in the transportation and warehousing and mining and logging sectors. Kansas nominal personal income grew 3.3 percent in the third quarter of 2018 compared to the previous year, with workplace earnings up 2.9 percent. Home prices increased 5.5 percent in the third quarter of 2018 compared to a year ago, while single-family and multifamily permits recorded a -7.0 and 32.3 percent change, respectively, year-to-date through November 2018. In November 2018, crude oil production was 7.3 percent below year-ago levels. Kansas exports were 3.0 percent higher in the third quarter of 2018 compared to the same period in 2017.

This databook provides current economic indicators to help monitor trends and allow comparison of past information. These indicators include: employment; employment by industry; county and state unemployment; personal income; home prices; housing indicators; manufacturing activity; oil, gas and coal production; and exports. These indicators can be found on the following pages.

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Unemployment Rates
Seasonally Adjusted

## December 2018 Unemployment Rates
Seasonally Adjusted
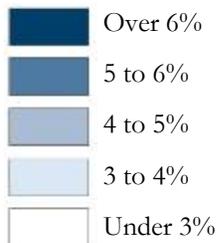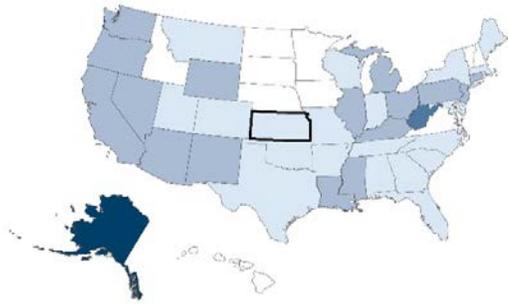
	United States	Kansas
December 2018		
Unemployment Rate	3.9%	3.3%
Unemployment Rate, *Last Year*	4.1%	3.5%

Legend:
- Over 6%
- 5 to 6%
- 4 to 5%
- 3 to 4%
- Under 3%

Unemployment Rates, *Seasonally Adjusted*

— United States
— Kansas
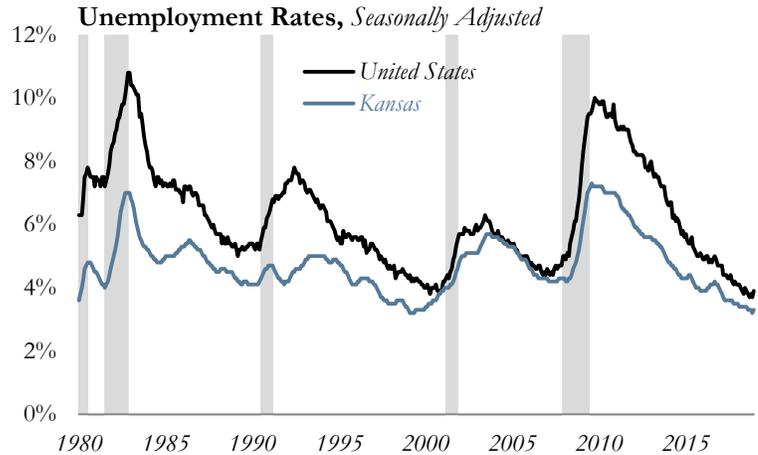
Note: Gray bars indicate recession.

Payroll Employment
Seasonally Adjusted

December 2018 Payroll Employment
Seasonally Adjusted, Year-over-Year Percent Change
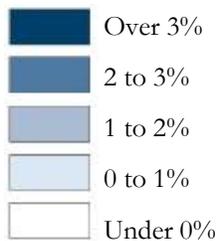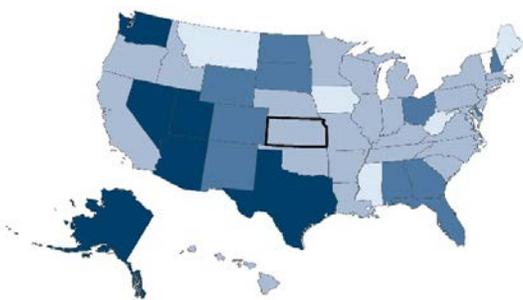
	United States	Kansas
December 2018		
Jobs (*Thousands*)	150,263.0	1,431.4
Change from Last Year	1.8%	1.4%

Legend:
- Over 3%
- 2 to 3%
- 1 to 2%
- 0 to 1%
- Under 0%

Payroll Employment
Seasonally Adjusted, Year-over-Year Percent Change

— United States
— Kansas
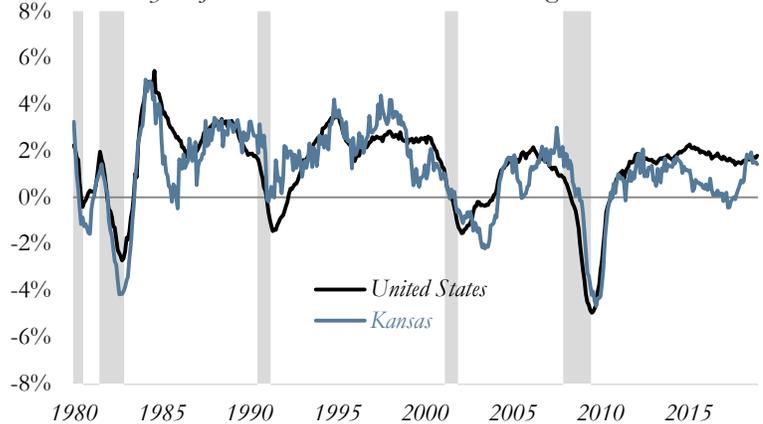
Note: Gray bars indicate recession.

Source: Bureau of Labor Statistics/Haver Analytics

December 2018 Unemployment Rates *&* Civilian Labor Force

Seasonally Adjusted

		Over 5%
		4 to 5%
		3 to 4%
		2 to 3%
		Under 2%
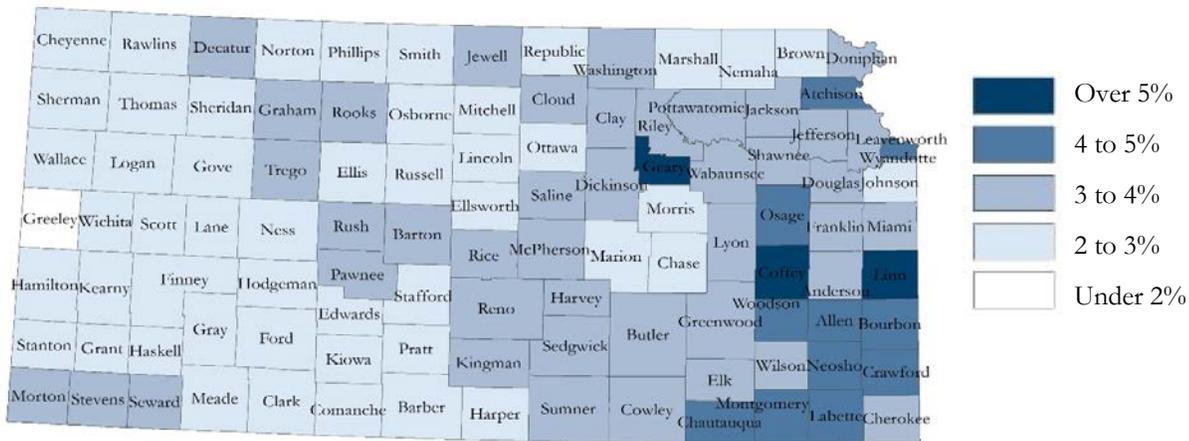
		Percent Unemployed	*Labor Force (Thousands)*				*Percent Unemployed*	*Labor Force (Thousands)*
	United States	**3.9%**	**163,240.0**	23	Dickinson		3.7	9.3
	Kansas	**3.3**	**1,489.9**	24	Elk		3.7	1.2
1	Linn	5.9	4.5	25	Cherokee		3.6	10.1
2	Geary	5.2	11.6	26	Doniphan		3.6	4.3
3	Coffey	5.0	4.0	27	Sumner		3.6	10.9
4	Atchison	5.0	7.1	28	Cloud		3.6	3.8
5	Neosho	4.9	6.1	29	Lyon		3.6	16.9
6	Wyandotte	4.9	78.5	30	Clay		3.6	4.0
7	Bourbon	4.6	7.3	31	Pawnee		3.6	3.1
8	Montgomery	4.4	14.9	32	Barton		3.6	13.7
9	Chautauqua	4.3	1.4	33	Morton		3.5	1.2
10	Labette	4.2	10.4	34	Reno		3.5	30.2
11	Woodson	4.2	1.6	35	Seward		3.5	9.7
12	Allen	4.1	6.4	36	Kingman		3.5	3.5
13	Crawford	4.0	18.9	37	Butler		3.4	32.2
14	Osage	4.0	8.0	38	Greenwood		3.4	3.2
15	Anderson	3.9	4.2	39	Cowley		3.4	16.9
16	Sedgwick	3.9	247.1	40	Jefferson		3.3	10.1
17	Wilson	3.8	4.1	41	Jackson		3.3	7.2
18	Shawnee	3.8	90.6	42	Wabaunsee		3.3	3.7
19	Graham	3.7	1.1	43	Saline		3.3	30.4
20	Miami	3.7	17.5	44	Pottawatomie		3.2	12.4
21	Leavenworth	3.7	36.8	45	Rooks		3.2	2.6
22	Franklin	3.7	14.1	46	Washington		3.2	3.1

Source: Bureau of Labor Statistics/Haver Analytics

December 2018 Unemployment Rates & Civilian Labor Force

		Percent Unemployed	Labor Force (Thousands)			Percent Unemployed	Labor Force (Thousands)
47	Decatur	3.2	1.3	77	Lincoln	2.6	1.7
48	Douglas	3.1	65.5	78	Barber	2.6	2.5
49	Trego	3.1	1.4	79	Osborne	2.6	2.0
50	Rush	3.1	1.7	80	Lane	2.6	0.9
51	Riley	3.1	35.5	81	Finney	2.6	20.8
52	Rice	3.1	5.4	82	McPherson	2.6	16.6
53	Jewell	3.1	1.3	83	Wallace	2.5	0.9
54	Harvey	3.1	17.1	84	Thomas	2.5	4.3
55	Marion	3.0	6.2	85	Cheyenne	2.5	1.4
56	Stevens	3.0	2.8	86	Chase	2.5	1.5
57	Stafford	3.0	2.0	87	Mitchell	2.5	3.5
58	Brown	3.0	5.5	88	Norton	2.4	2.8
59	Ellsworth	3.0	2.8	89	Ellis	2.4	17.1
60	Johnson	3.0	338.5	90	Stanton	2.4	1.1
61	Ottawa	2.9	3.1	91	Comanche	2.4	0.9
62	Pratt	2.9	5.1	92	Hodgeman	2.4	1.1
63	Russell	2.9	3.4	93	Kiowa	2.4	1.3
64	Harper	2.9	2.7	94	Clark	2.3	1.1
65	Republic	2.9	2.5	95	Kearny	2.3	2.2
66	Sherman	2.8	3.0	96	Haskell	2.3	2.3
67	Ness	2.8	1.4	97	Wichita	2.2	1.4
68	Grant	2.8	3.4	98	Meade	2.1	2.4
69	Marshall	2.8	5.6	99	Hamilton	2.1	1.7
70	Edwards	2.8	1.5	100	Gray	2.1	3.6
71	Nemaha	2.8	5.7	101	Logan	2.1	1.7
72	Smith	2.7	2.0	102	Scott	2.1	3.0
73	Morris	2.7	3.1	103	Rawlins	2.0	1.5
74	Phillips	2.7	2.9	104	Gove	2.0	1.5
75	Sheridan	2.6	1.5	105	Greeley	1.9	0.9
76	Ford	2.6	17.3				

Source: Bureau of Labor Statistics/Haver Analytics

Payroll Employment

Payroll Employment
Ten-Year Index of Growth

Seasonally Adjusted
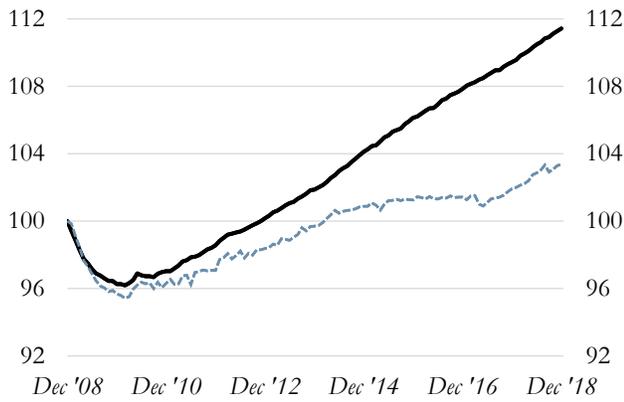
— United States
----- *Kansas*

December 2018		
	United States	*Kansas*
Jobs (*Thousands*)	150,270.0	1,431.4
Change from Last Year (*Thousands*)	2,674.0	20.1
Share of U.S. Employment		1.0%

Labor Force Dynamics
Ten-Year Index of Growth, Seasonally Adjusted

Employed (Household Survey)
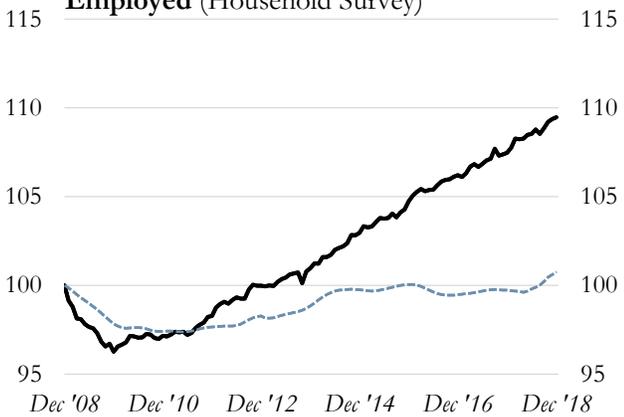
Unemployed

Labor Force
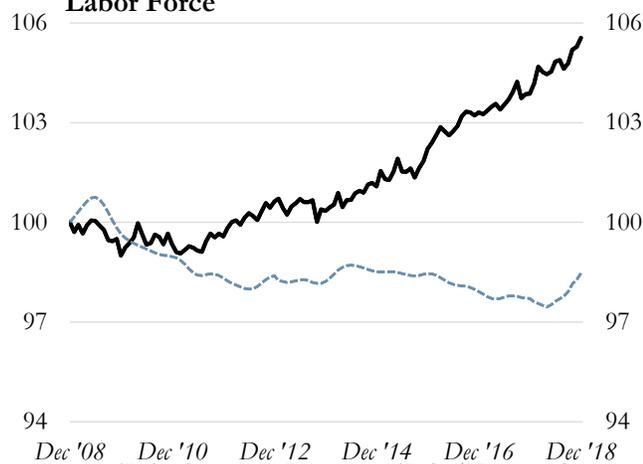
Unemployment Insurance Claims
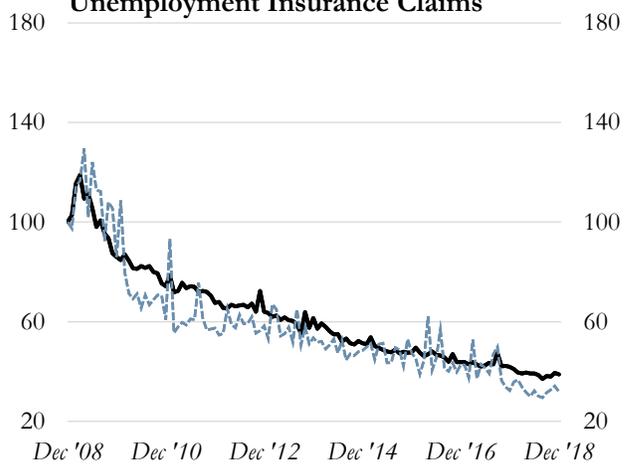
Source: Bureau of Labor Statistics & Department of Labor/Haver Analytics

Payroll Employment by Industry

Seasonally Adjusted

December 2018 *Percent Change Year-over-Year*

Industry	Change
Trans. & Warehousing	8.3%
Mining & Logging	6.0%
Prof. & Business Services	3.9%
Financial Activities	3.2%
Manufacturing	2.8%
Local Government	1.8%
Federal Government	1.6%
Construction	1.3%
Retail Trade	0.5%
Healthcare & Social Assist.	0.3%
Leisure & Hospitality	0.1%
State Government	0.0%
Other Services	-0.6%
Wholesale Trade	-2.1%
Educational Services	-3.0%
Information	-11.3%
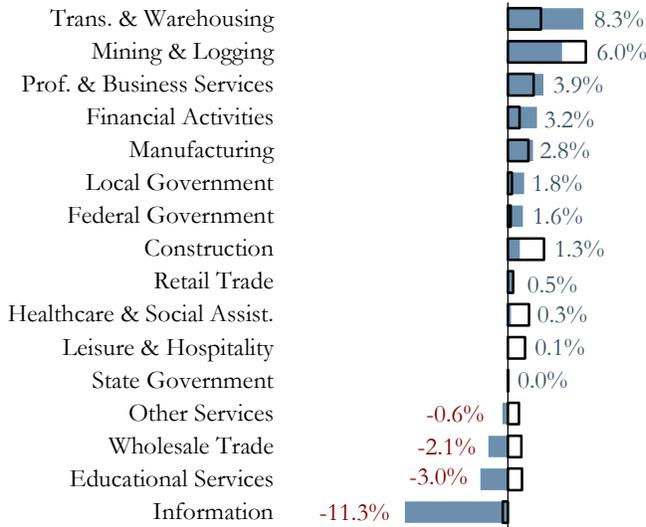
United States
Kansas

Ten-Year Index of Growth

Construction

Share of Jobs
United States
4.9%
Kansas
4.3%

Manufacturing

Share of Jobs
United States
8.5%
Kansas
11.7%

Mining & Logging

United States
0.5%
Kansas
0.5%

Retail Trade

United States
10.6%
Kansas
10.2%

Wholesale Trade

United States
4.0%
Kansas
4.1%

Utilities

United States
0.4%
Kansas
0.4%

Transportation & Warehousing

United States
3.6%
Kansas
4.3%
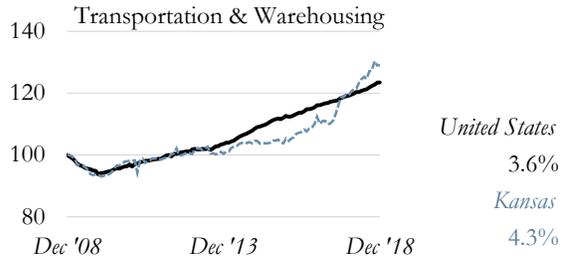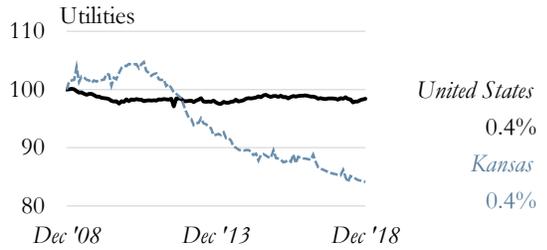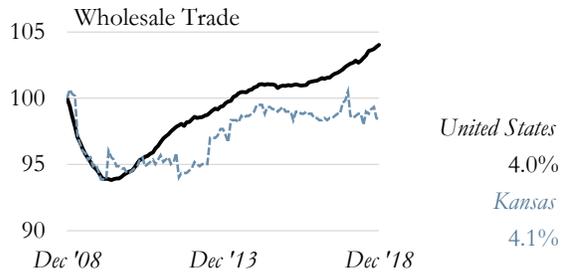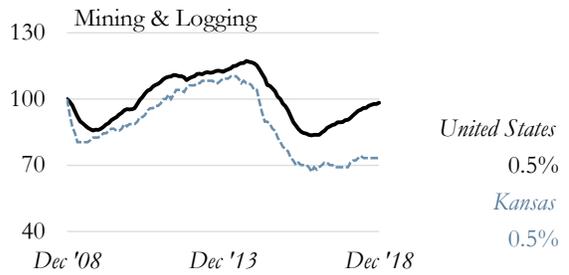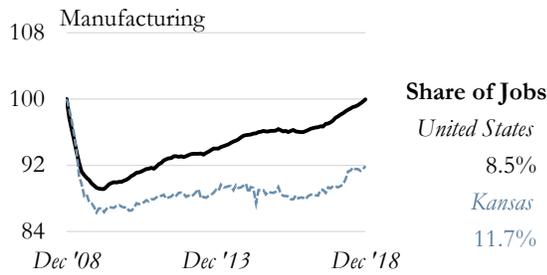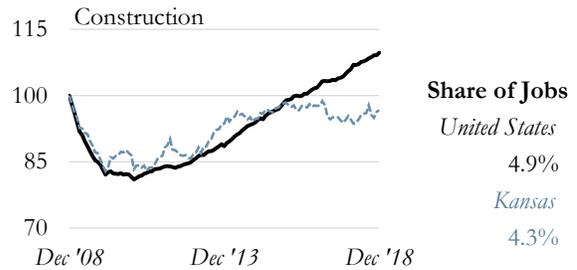
Source: Bureau of Labor Statistics/Haver Analytics

Payroll Employment by Industry

Ten-Year Index of Growth, Seasonally Adjusted

—— *United States*
- - - *Kansas*

Information
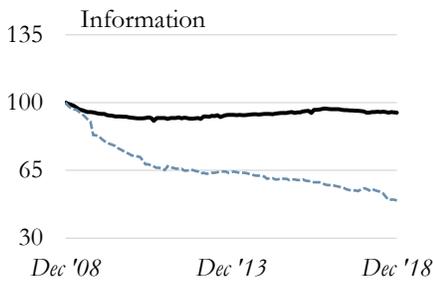
Share of Jobs

United States

1.8%

Kansas

1.2%

Professional & Business Services
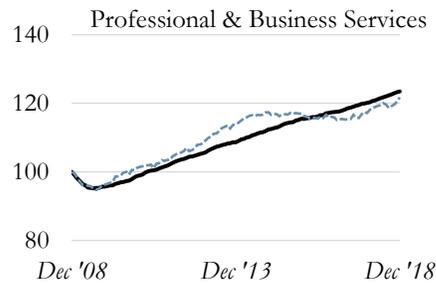
Share of Jobs

United States

14.1%

Kansas

13.0%
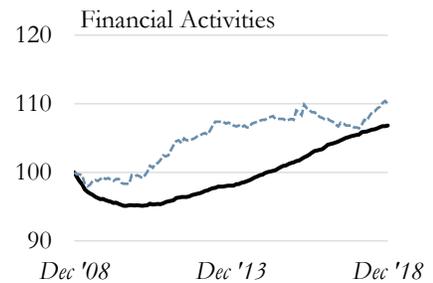
Financial Activities

United States

5.7%

Kansas

5.6%

Healthcare & Social Assistance
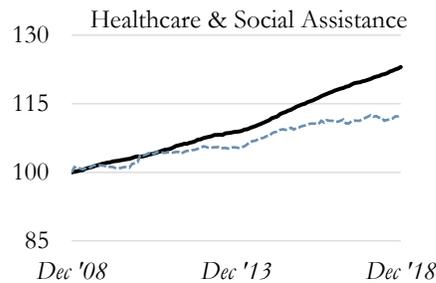
United States

13.4%

Kansas

12.6%
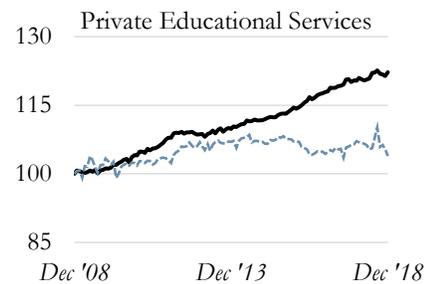
Private Educational Services

United States

2.5%

Kansas

1.3%
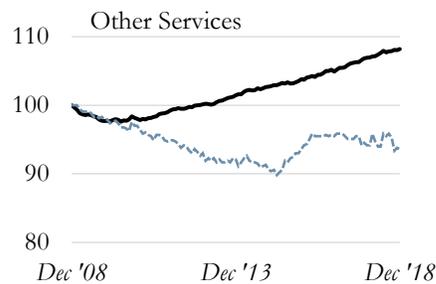
Other Services

United States

3.9%

Kansas

3.5%

Leisure & Hospitality
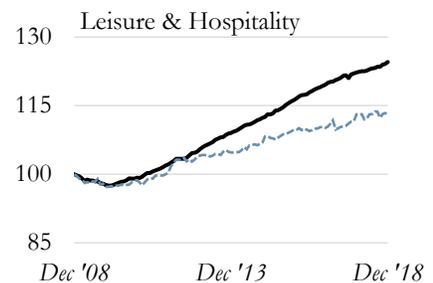
United States

11.0%

Kansas

9.2%

Federal Government
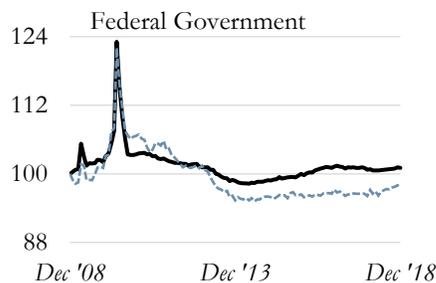
United States

1.9%

Kansas

1.8%

State Government
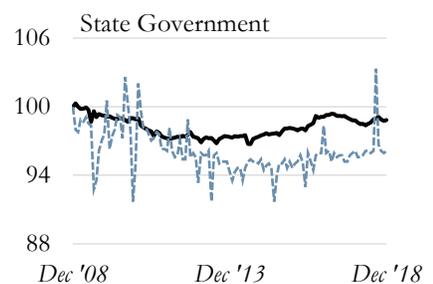
United States

3.4%

Kansas

3.6%

Local Government
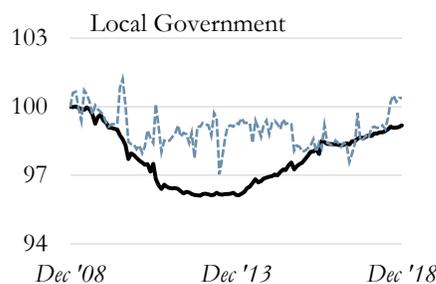
United States

9.6%

Kansas

12.8%

Source: Bureau of Labor Statistics/Haver Analytics

Kansas Nominal Personal Income Growth

Contributions to Percent Change Year-over-Year, Seasonally Adjusted

3.3%

Legend:
- Contributions to Social Insurance
- Residence Adjustment
- Transfer Payments
- Earnings by Place of Work
- Dividends, Interest & Rent
- Total Personal Income
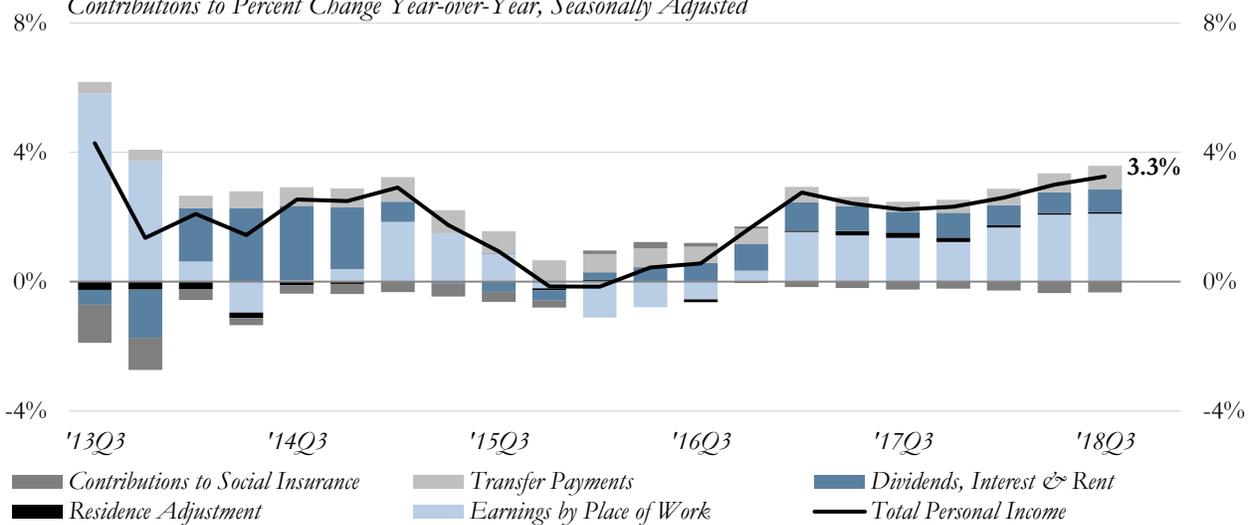
2018Q3	Percent Change Year-over-Year		Share of Personal Income	
	United States	*Kansas*	*United States*	*Kansas*
Total Personal Income	**4.4%**	**3.3%**		
Earnings by Place of Work	4.1%	2.9%	70.7%	71.2%
Social Insurance Contributions*	-4.6%	-4.2%	-7.7%	-8.0%
Residence Adjustment		3.8%		0.9%
Dividends, Interest & Rent	5.7%	3.7%	20.1%	19.7%
Transfer Payments	4.2%	4.5%	17.0%	16.1%

*Subtracted from personal income.

Real Average Hourly Wage

Current Dollars, Seasonally Adjusted

Legend:
- United States
- Kansas
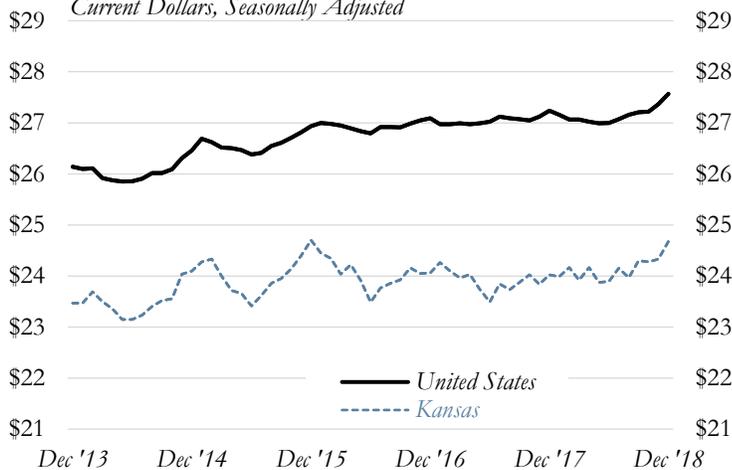
December 2018		
Average	*United States*	*Kansas*
Hourly Wage	$27.57	$24.68
Real Change from		
Last Month	0.7%	1.4%
Last Year	1.2%	2.7%

Source: Bureau of Economic Analysis & Bureau of Labor Statistics/Haver Analytics

FHFA Purchase-Only Home Price Index

Ten-Year Index of Growth, Seasonally Adjusted
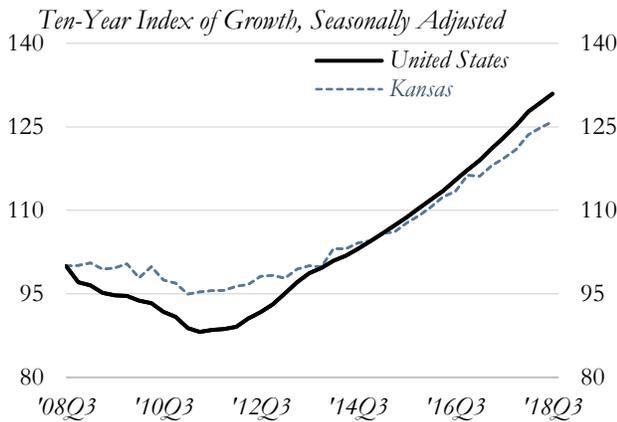
Rental Vacancy Rates

Housing Permits

Ten-Year Index of Growth, Seasonally Adjusted
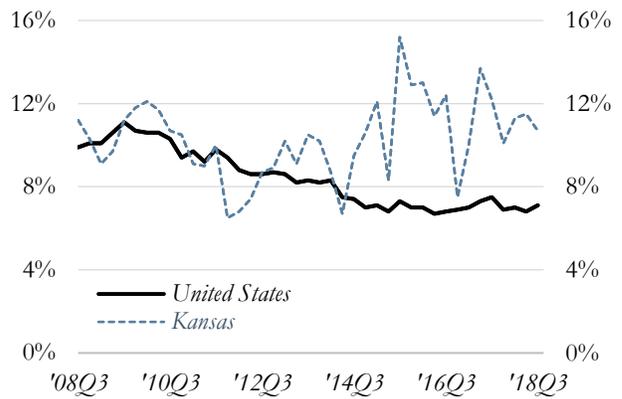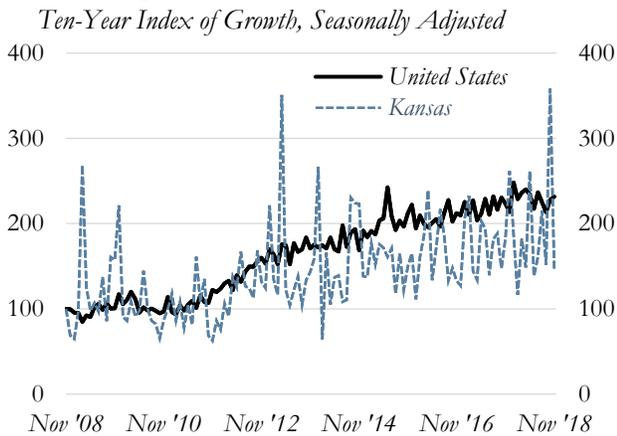
Summary Statistics		
	United States	*Kansas*
Prices (2018Q3)*	6.3%	5.5%
Vacancy Rates (2018Q3)	7.1%	10.7%
Permits (*Year-to-Date*)*		
Single Family	5.1%	-7.0%
Multifamily	3.3%	32.3%

*Percent change year-over-year.

Top 10 Kansas Counties for Permit Activity

Year-to-Date through October

2018
■ *Single Family*
▨ *Multifamily*
☐ 2017, Year-to-Date
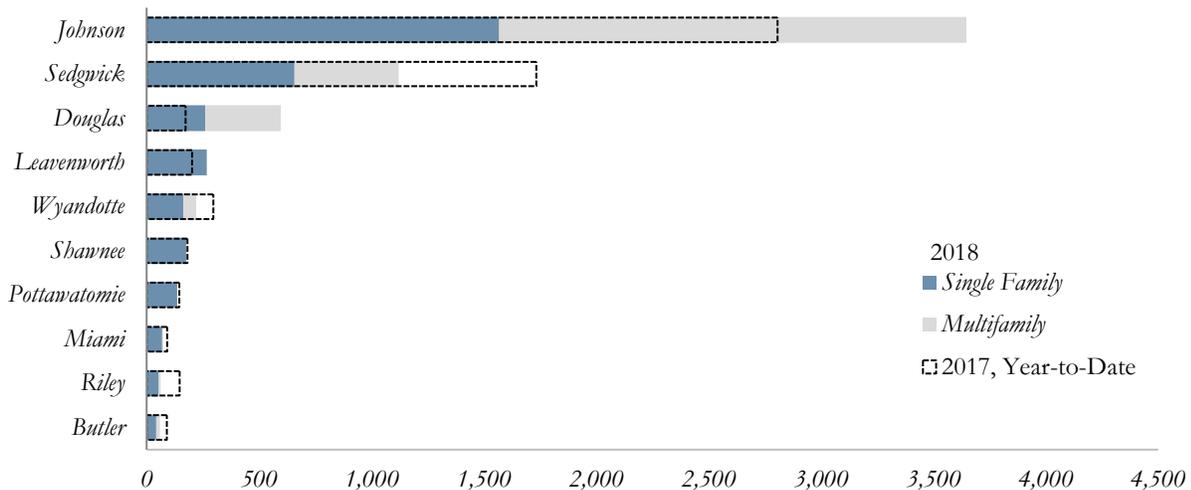
Source: Federal Housing Finance Agency (FHFA) & Census Bureau/Haver Analytics

Kansas Energy Activity

Oil & Gas Rig Counts
Number of Active Drilling Rigs
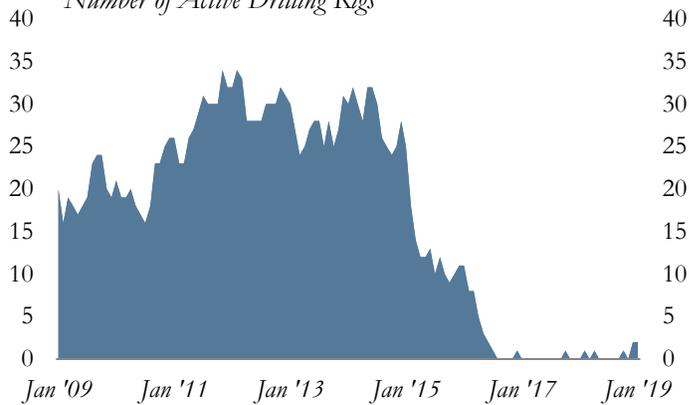
January 2019		
	United States	*Kansas*
Rig Count	1,065	2
Change from		
Last Month	-12	0
Last Year	128	2
Share of U.S. Activity		0.2%

Crude Oil Production
Thousand Barrels per Month, Seasonally Adjusted
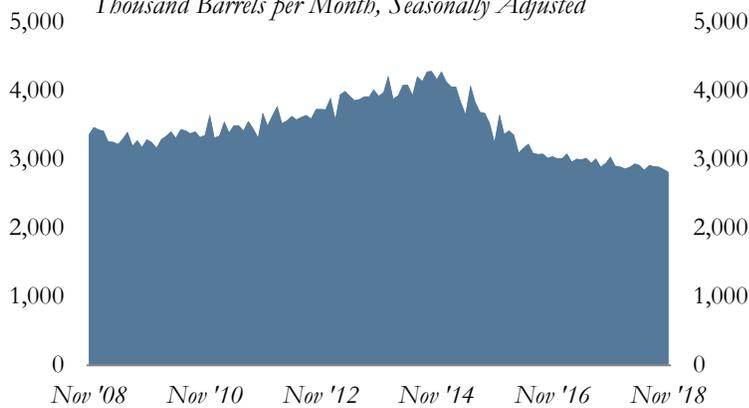
November 2018		
	United States	*Kansas*
Production	357,583	2,816
Change from		
Last Month	1.9%	-1.5%
Last Year	17.6%	-7.3%
Share of U.S. Activity		0.8%

Coal Production
Thousand Short Tons, Seasonally Adjusted
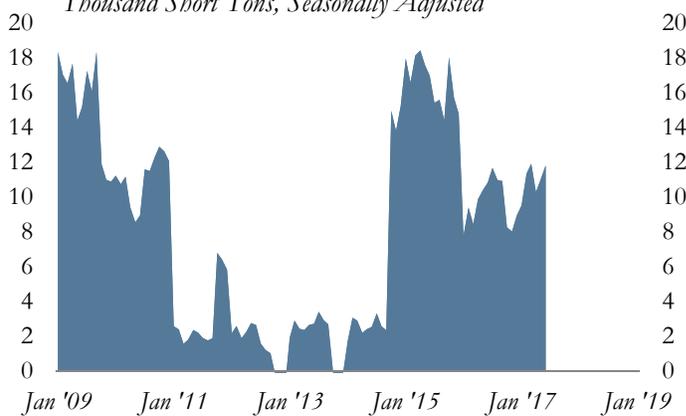
January 2019		
	United States	*Kansas*
Production	62,316	0
Change from		
Last Month	-1.6%	N/A
Last Year	1.1%	N/A
Share of U.S. Activity		0.0%

Global Exports

Ten-Year Index of Growth, Seasonally Adjusted
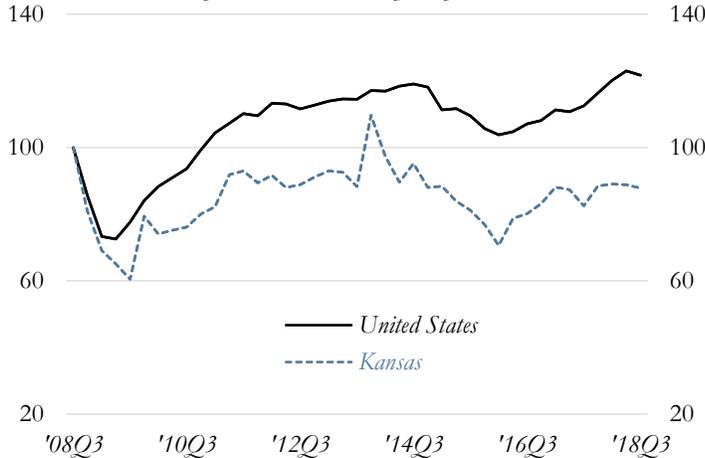
2018Q3		
	United States	*Kansas*
Exports *(Millions)*	$417,374.4	$2,850.1
Change from		
Last Quarter	-1.0%	-1.2%
Last Year *(year-to-date)*	9.0%	3.0%
Share of U.S. Activity		0.7%

2017		
Exports as a	*United States*	*Kansas*
Percent of GDP	7.9%	7.1%

Kansas Exports Year-to-Date through 2018Q3

Percent Change Year-over-Year

	Over 100%
	50 to 100%
	25 to 50%
	0 to 25%
	-25 to 0%
	Below -25%
	Not Applicable
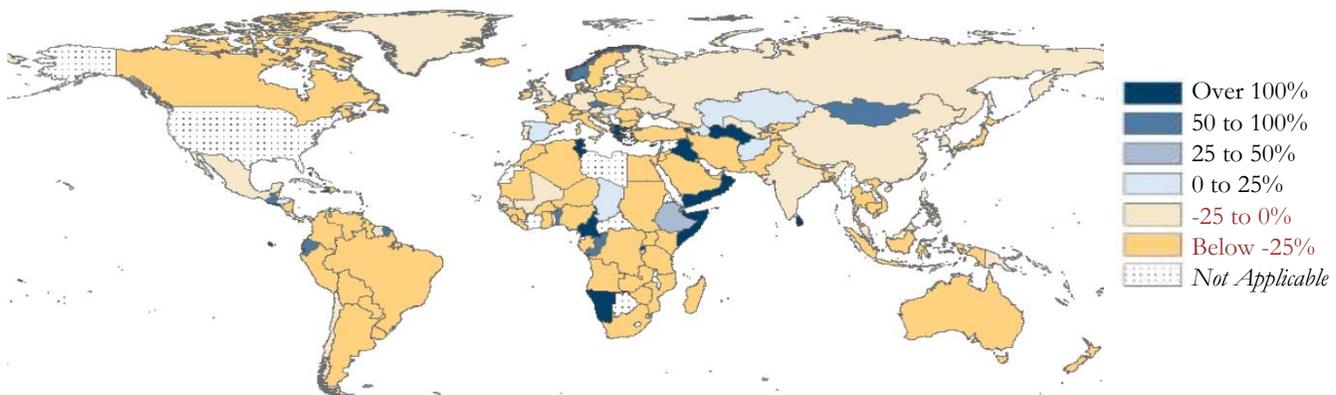
Top Markets		Share
1	Mexico	18.4%
2	Canada	16.8
3	China*	9.6
4	Japan	9.0
5	United Kingdom	4.7
6	Germany	4.2
7	South Korea	3.5
8	Singapore	3.1
9	France	2.7
10	Australia	1.9

Top Exports		Share
1	Food	22.9%
2	Transportation Equip.	22.8
3	Agriculture & Livestock	12.2
4	Machinery (Except Electrical)	9.7
5	Chemicals & Rare Earth Metals	6.9
6	Computers & Electronics	6.5
7	Special Class Provisions	4.2
8	Plastics & Rubber Products	3.1
9	Electronic Equip. & Appliances	2.9
10	Fabricated Metal Products	2.5

*China includes Hong Kong, Taiwan, and Macao.

Pages 2 - 4: County unemployment rates typically lag state data releases by one month. Gray bars show recessionary periods as designated by the National Bureau of Economic Research. The "official" and most commonly reported unemployment rate is calculated as the number of unemployed workers divided by the total civilian labor force. These data are reported from the Bureau of Labor Statistics Current Population Survey, or commonly called the "Household" survey.

Page 2 and 5: Nonfarm employment data from the Bureau of Labor Statistics Current Employment Survey are commonly called "Payroll" employment data. Estimates from this survey are revised throughout the year and a major revision or "benchmark" of the data occurs in March of each year. "Payroll" and "Household" surveys are released monthly, providing the most current estimates of employment published by the Bureau of Labor Statistics. Because methodologies differ between surveys, employment estimates also differ. For more information, visit:
http://www.bls.gov/web/empsit/ces_cps_trends.pdf
Initial claims show monthly applications for initial claims for state unemployment insurance benefits.

Pages 6 and 7: Payroll employment by industry is shown for each of the major two-digit North American Industrial Classification System industries.

Page 8: Personal income provides a measure of all income received by residents of a given geographic area. Data shown are in nominal terms (not adjusted for inflation). Transfer payments include social benefits such as unemployment insurance, Social Security, and Medicaid. Contributions to social insurance are subtracted from personal income. These contributions include taxes paid by businesses and employees that support social insurance programs such as unemployment insurance, Social Security, and Medicaid. The residence adjustment adds income received outside of a recipient's state of residence and makes a corresponding subtraction from the area where this income was earned or received. Real average hourly wages are calculated as total earnings divided by total employment for a given geographic area. Data are adjusted for inflation using the consumer price index for all urban areas (CPI-U) and are indexed to the most current month of data.

Page 9: Home price indices estimate regional growth in home values based on repeat sales data for detached single family residential properties. Monthly single and multifamily housing permits data are not revised, and therefore, may not sum to published year-end totals.

Page 10: The active rig count is the number of rigs actively exploring for or developing oil or natural gas. Rig counts provide an indicator of new drilling activity and potential for expanded crude oil or natural gas production. Coal production is shown as production during a given month.

Page 11: Exports measure the total physical movement of a given product from the United States to a foreign country.

Data Revisions
Most data are revised periodically to correct for errors and incorporate additional information as it becomes available. Data shown in this report are subject to change.

Seasonal Adjustments
Most data are seasonally adjusted to remove variance caused by seasonal fluctuations in economic activity. Data in this report show the seasonal adjustments of data publishers where available. In other cases, Census X-12 adjustments were applied.

Regional Economic Analysis

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