

THE *Kansas* ECONOMIC DATABOOK

*A summary of regional economic indicators
for the state of Kansas*



NOVEMBER 10, 2021

FEDERAL RESERVE BANK OF KANSAS CITY

SUMMARY OF CURRENT KANSAS ECONOMIC CONDITIONS

Economic activity continued to pick up in Kansas during the third quarter of 2021, with 10,000 new jobs added during the quarter. Jobs gains were led by manufacturing and business and professional services, adding 3,600 and 3,100 jobs, respectively. However, payroll employment is still approximately 44,000 below its pre-pandemic level. The unemployment rate ended the quarter at 3.9%, a slight increase from the previous quarter. Additionally, the size of the labor force grew this quarter by 2,700 workers. Personal income growth declined during the second quarter, primarily due to a decrease in contributions from transfer payments. Home prices continued to exhibit year-over-year growth, increasing by 16.3%. Housing permit activity also increased for both single family and multifamily homes, by 20.1% and 21.6%, respectively.

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.



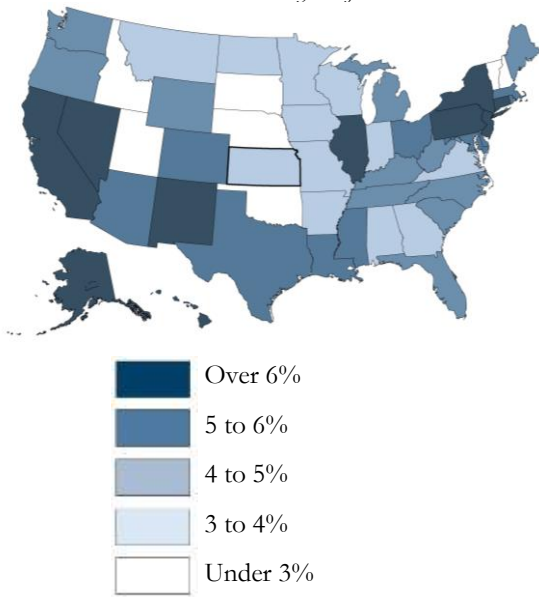
Jason Brown is Vice President and Economist at the Federal Reserve Bank of Kansas City. In this role, Brown is the Federal Reserve Bank of Kansas City's regional economist in Kansas and Missouri. He is responsible for briefing the Kansas City Fed's President on the economy in these states and the Tenth District.

Unemployment Rates

Seasonally Adjusted

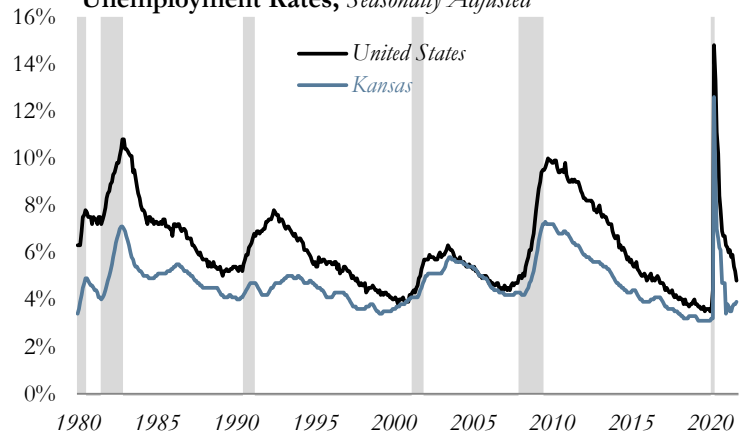
September 2021 Unemployment Rates

Seasonally Adjusted



September 2021		
	United States	Kansas
Unemployment Rate	4.8%	3.9%
Unemployment Rate, Last Year	7.8%	6.1%

Unemployment Rates, Seasonally Adjusted



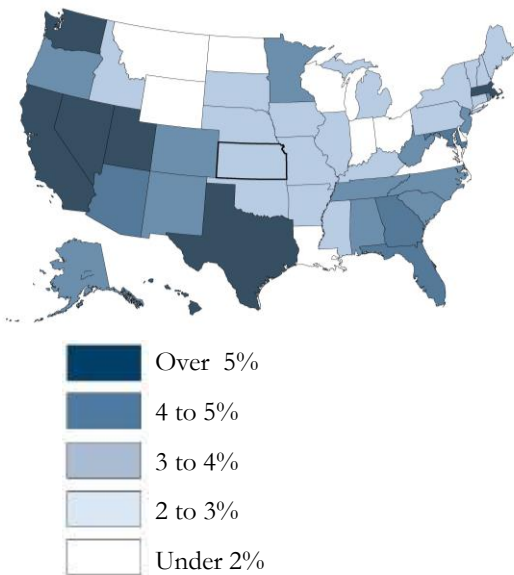
Note: Gray bars indicate recession.

Payroll Employment

Seasonally Adjusted

September 2021 Payroll Employment

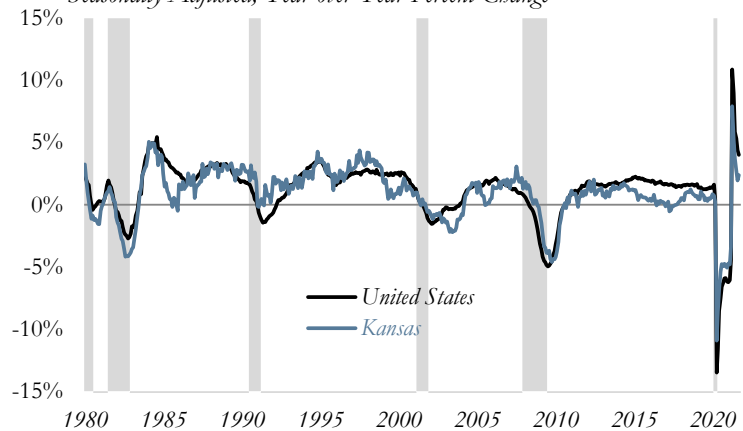
Seasonally Adjusted, Year-over-Year Percent Change



September 2021		
	United States	Kansas
Jobs (Thousands)	147,553.0	1,387.0
Change from Last Year	4.0%	2.4%

Payroll Employment

Seasonally Adjusted, Year-over-Year Percent Change

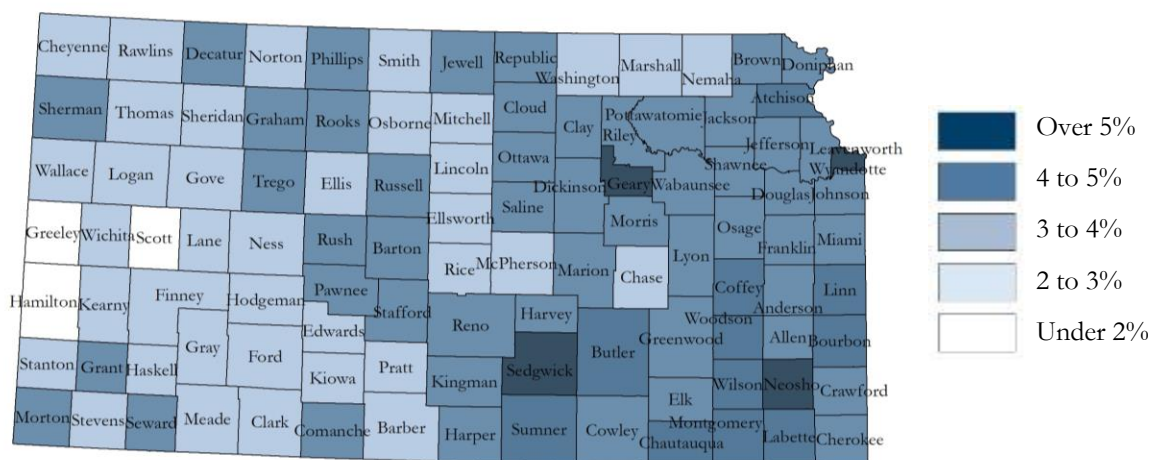


Note: Gray bars indicate recession.

Source: Bureau of Labor Statistics/Haver Analytics

September 2021 Unemployment Rates & Civilian Labor Force

Seasonally Adjusted



	<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>		<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>		
United States	4.8%	161,354.0	23	Dickinson	3.7	9.2	
Kansas	3.9	1,514.8	24	Jefferson	3.7	10.4	
1	Wyandotte	5.5	80.6	25	Shawnee	3.7	92.4
2	Geary	5.3	11.4	26	Ottawa	3.7	2.9
3	Sedgwick	5.1	256.3	27	Cloud	3.7	3.8
4	Neosho	5.1	6.1	28	Saline	3.6	29.6
5	Linn	5.0	4.4	29	Harvey	3.6	17.1
6	Montgomery	4.8	14.7	30	Douglas	3.6	65.7
7	Chautauqua	4.7	1.5	31	Franklin	3.6	14.3
8	Wilson	4.7	3.9	32	Allen	3.6	6.5
9	Atchison	4.5	6.6	33	Barton	3.6	13.3
10	Sumner	4.5	10.9	34	Greenwood	3.6	3.0
11	Labette	4.4	9.4	35	Jackson	3.6	7.3
12	Bourbon	4.4	6.5	36	Brown	3.5	5.2
13	Woodson	4.2	1.5	37	Riley	3.5	33.5
14	Coffey	4.0	4.3	38	Decatur	3.5	1.2
15	Butler	4.0	32.7	39	Pottawatomic	3.5	11.8
16	Cowley	4.0	16.8	40	Cherokee	3.5	9.8
17	Leavenworth	3.9	37.9	41	Miami	3.5	18.3
18	Osage	3.8	8.1	42	Lyon	3.5	16.8
19	Reno	3.8	29.8	43	Rooks	3.4	2.5
20	Kingman	3.8	3.3	44	Elk	3.4	1.2
21	Grant	3.8	2.9	45	Sherman	3.3	2.8
22	Crawford	3.8	19.0	46	Wabaunsee	3.3	3.7

Source: Bureau of Labor Statistics/Haver Analytics

September 2021 Unemployment Rates & Civilian Labor Force

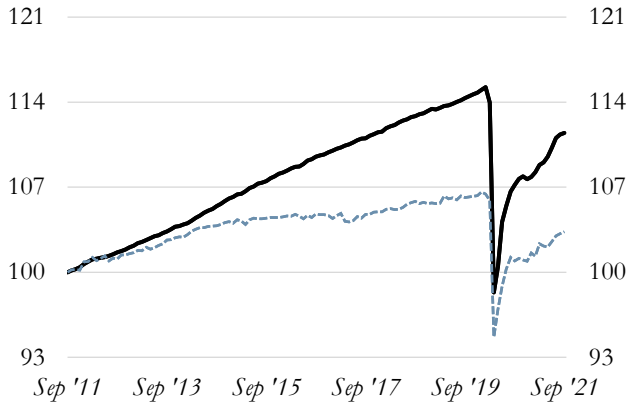
		<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>			<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>
47	Russell	3.2	3.3	77	Lane	2.6	0.7
48	Clay	3.2	3.8	78	Meade	2.6	2.2
49	Trego	3.2	1.4	79	Finney	2.6	20.7
50	Morris	3.2	3.2	80	Gove	2.6	1.4
51	Graham	3.2	1.1	81	McPherson	2.6	17.2
52	Seward	3.1	10.2	82	Smith	2.6	2.0
53	Johnson	3.1	352.4	83	Marshall	2.6	5.5
54	Doniphan	3.1	4.2	84	Clark	2.6	1.1
55	Rush	3.1	1.6	85	Washington	2.6	3.1
56	Marion	3.1	6.0	86	Kearny	2.6	2.1
57	Harper	3.1	2.7	87	Stanton	2.6	1.1
58	Republic	3.1	2.3	88	Hodgeman	2.6	1.0
59	Phillips	3.1	2.6	89	Ford	2.5	18.2
60	Morton	3.1	1.2	90	Ellis	2.5	17.2
61	Anderson	3.1	4.6	91	Norton	2.5	2.6
62	Comanche	3.0	0.9	92	Nemaha	2.5	5.5
63	Pawnee	3.0	2.8	93	Thomas	2.5	4.2
64	Jewell	3.0	1.3	94	Barber	2.4	2.3
65	Stafford	3.0	1.9	95	Haskell	2.4	2.2
66	Rice	3.0	5.1	96	Sheridan	2.4	1.4
67	Lincoln	2.9	1.7	97	Edwards	2.4	1.5
68	Chase	2.8	1.4	98	Gray	2.3	3.2
69	Pratt	2.8	4.9	99	Mitchell	2.3	3.4
70	Kiowa	2.8	1.2	100	Wallace	2.3	0.9
71	Stevens	2.8	2.7	101	Rawlins	2.2	1.6
72	Cheyenne	2.8	1.3	102	Logan	2.1	1.6
73	Ness	2.7	1.3	103	Scott	1.9	2.9
74	Wichita	2.7	1.2	104	Hamilton	1.9	1.6
75	Osborne	2.7	2.0	105	Greeley	1.6	0.8
76	Ellsworth	2.7	2.7				

Source: Bureau of Labor Statistics/Haver Analytics

Payroll Employment

Seasonally Adjusted

Payroll Employment
Ten-Year Index of Growth



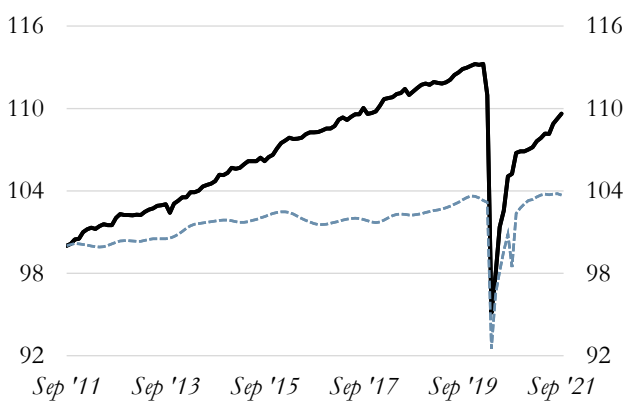
— United States
- - - Kansas

September 2021		
	United States	Kansas
Jobs (Thousands)	147,553.0	1,387.0
Change from Last Year (Thousands)	5,688.0	32.2
Share of U.S. Employment		0.9%

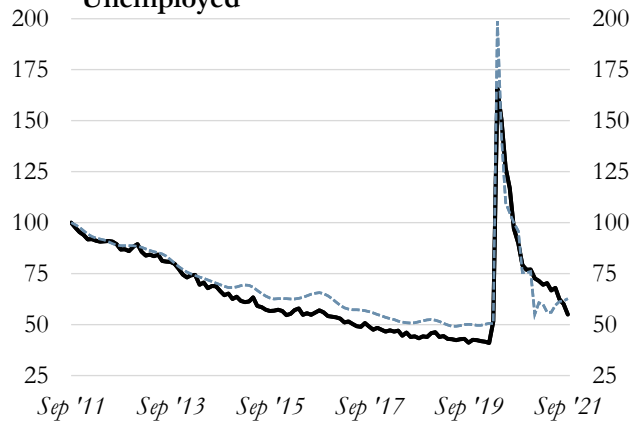
Labor Force Dynamics

Ten-Year Index of Growth, Seasonally Adjusted

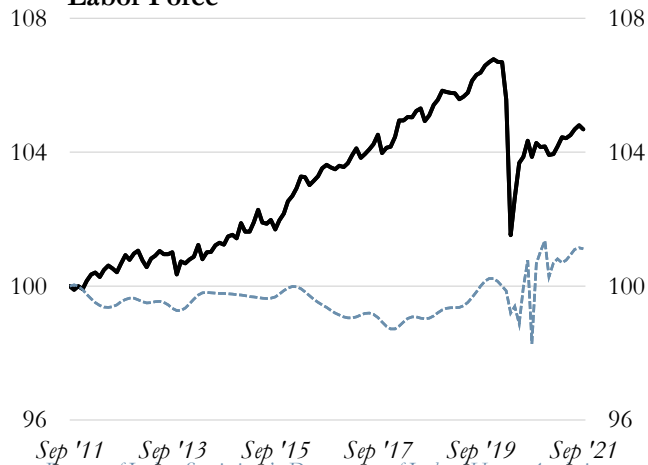
Employed (Household Survey)



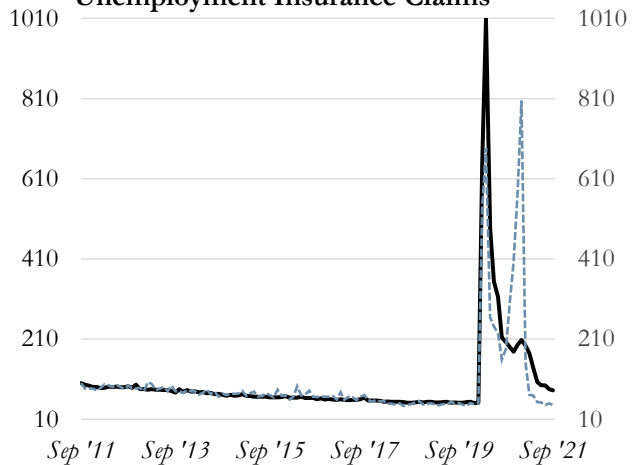
Unemployed



Labor Force



Unemployment Insurance Claims

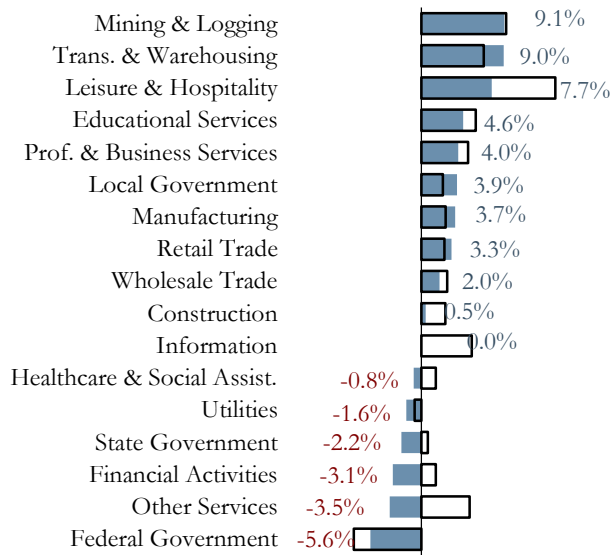


Source: Bureau of Labor Statistics & Department of Labor/Haver Analytics

Payroll Employment by Industry

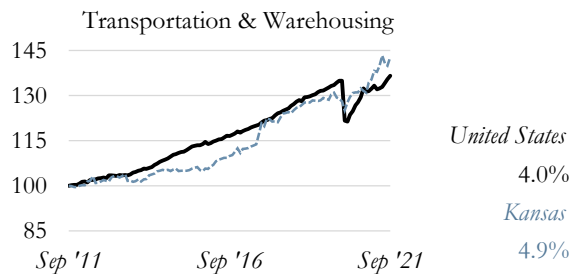
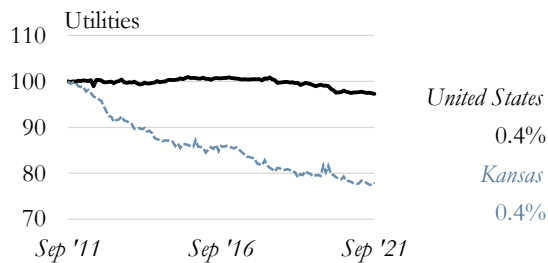
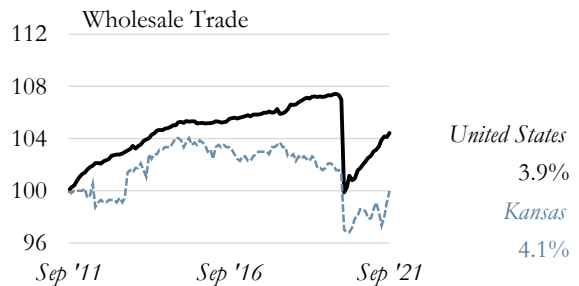
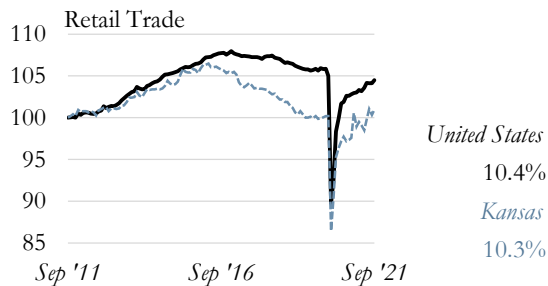
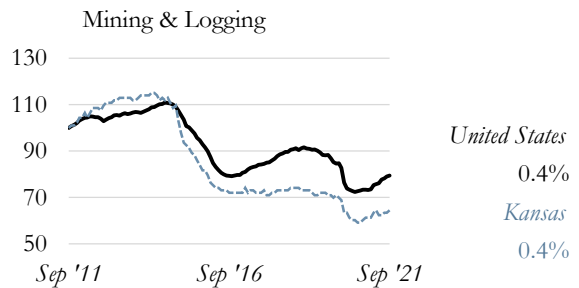
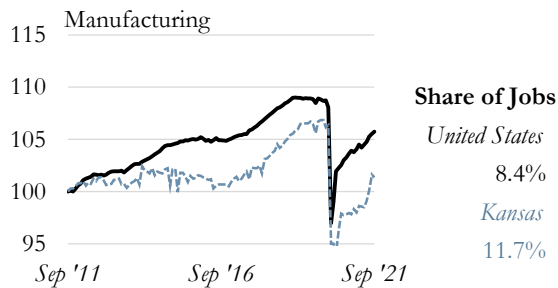
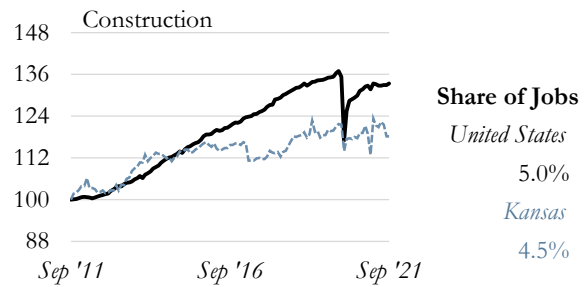
Seasonally Adjusted

September 2021 Percent Change Year-over-Year



— United States
 - - - Kansas

Ten-Year Index of Growth

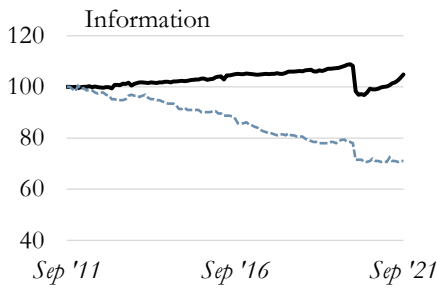


Source: Bureau of Labor Statistics/Haver Analytics

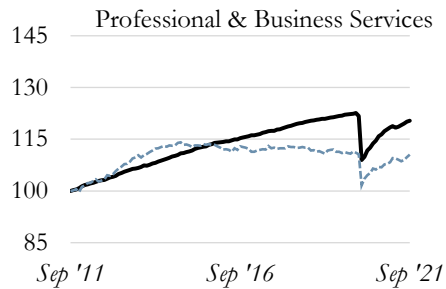
Payroll Employment by Industry

Ten-Year Index of Growth, Seasonally Adjusted

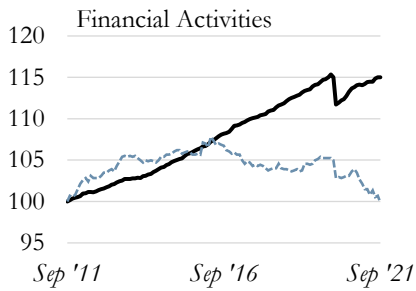
— United States
- - - Kansas



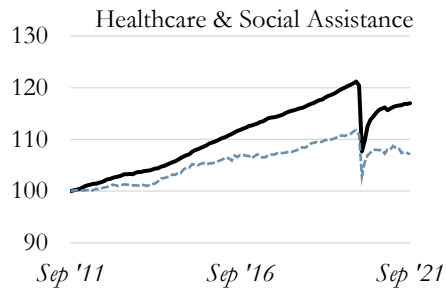
Share of Jobs
United States
1.9%
Kansas
1.2%



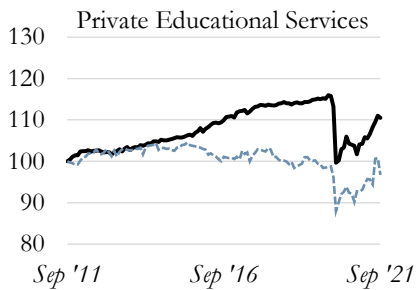
Share of Jobs
United States
14.3%
Kansas
12.6%



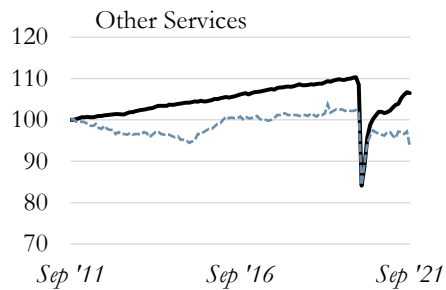
United States
6.0%
Kansas
5.3%



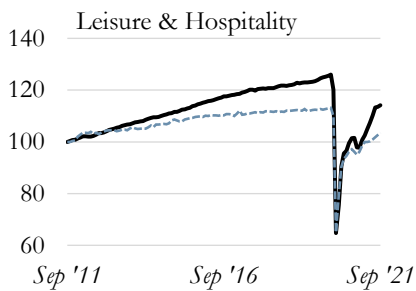
United States
13.6%
Kansas
12.9%



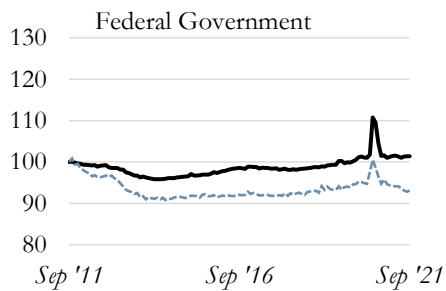
United States
2.4%
Kansas
1.3%



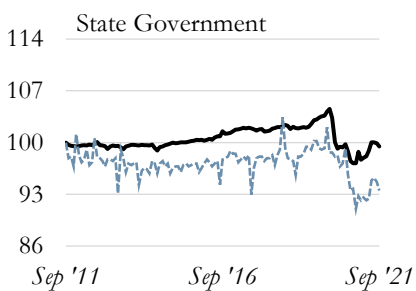
United States
3.9%
Kansas
3.4%



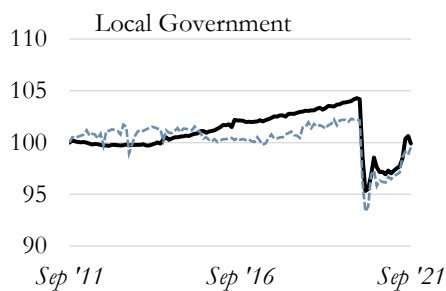
United States
10.4%
Kansas
8.6%



United States
2.0%
Kansas
1.8%



United States
3.4%
Kansas
3.5%

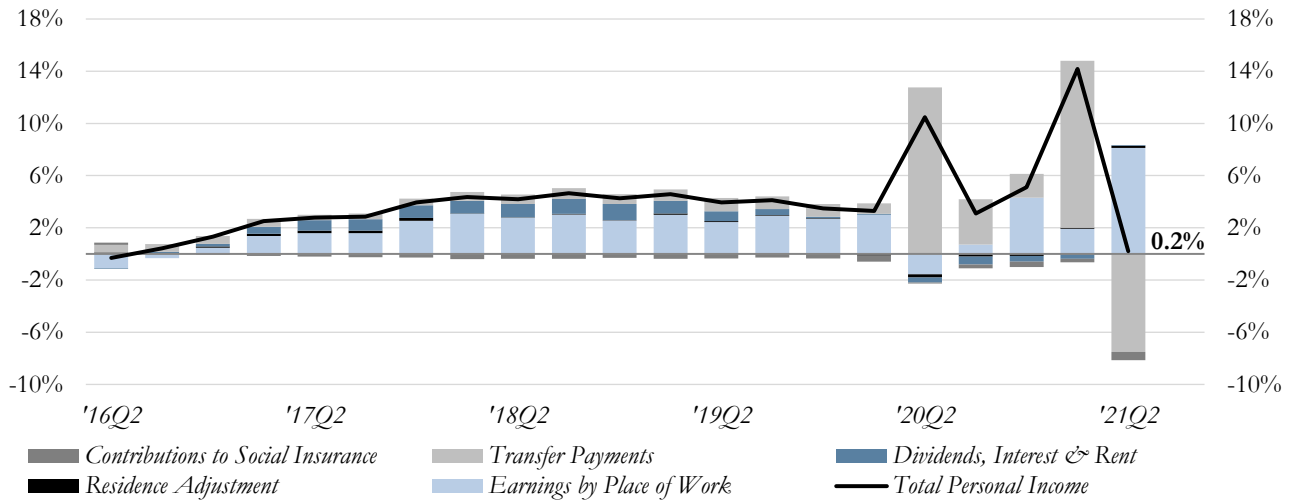


United States
9.5%
Kansas
12.8%

Source: Bureau of Labor Statistics/Haver Analytics

Kansas Nominal Personal Income Growth

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

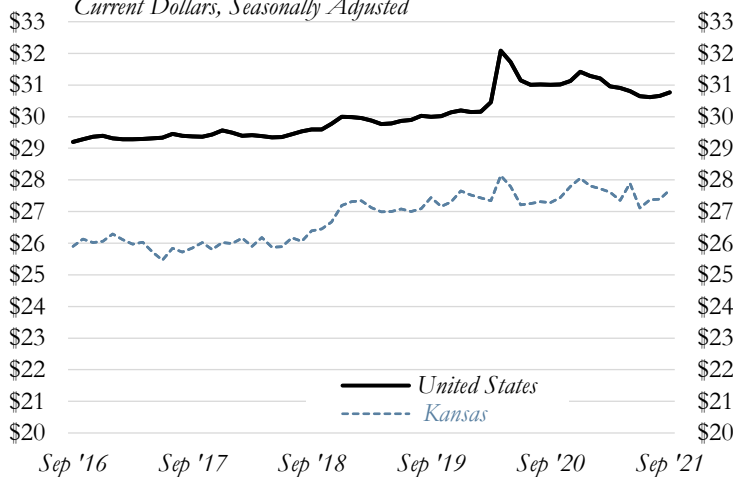


2021Q2	Percent Change Year-over-Year		Share of Personal Income	
	United States	Kansas	United States	Kansas
Total Personal Income	1.1%	0.2%		
Earnings by Place of Work	13.2%	13.0%	68.8%	70.3%
Social Insurance Contributions*	-10.9%	-8.7%	-7.6%	-7.9%
Residence Adjustment		23.0%		0.9%
Dividends, Interest & Rent	0.8%	0.3%	17.7%	17.9%
Transfer Payments	-23.2%	-28.6%	21.0%	18.7%

*Subtracted from personal income.

Real Average Hourly Wage

Current Dollars, Seasonally Adjusted

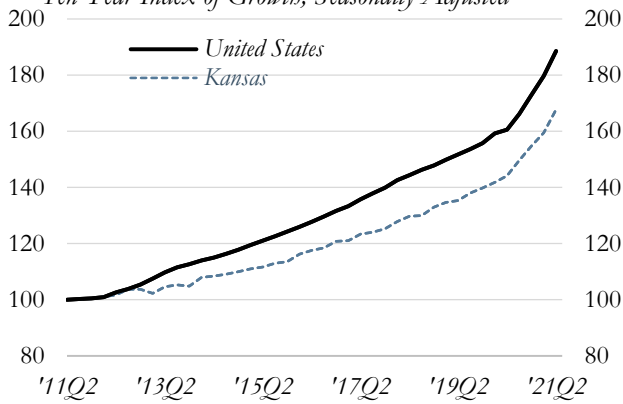


September 2021		
Average Hourly Wage	United States	Kansas
	\$30.77	\$27.68
<i>Real Change from</i>		
Last Month	0.3%	1.1%
Last Year	-0.8%	1.5%

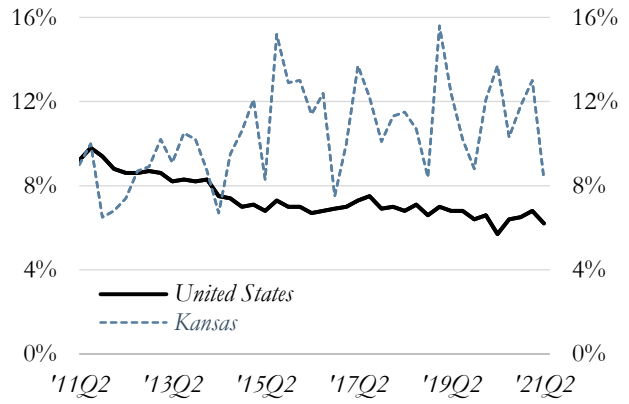
Source: Bureau of Economic Analysis & Bureau of Labor Statistics/Haver Analytics

FHFA Purchase-Only Home Price Index

Ten-Year Index of Growth, Seasonally Adjusted

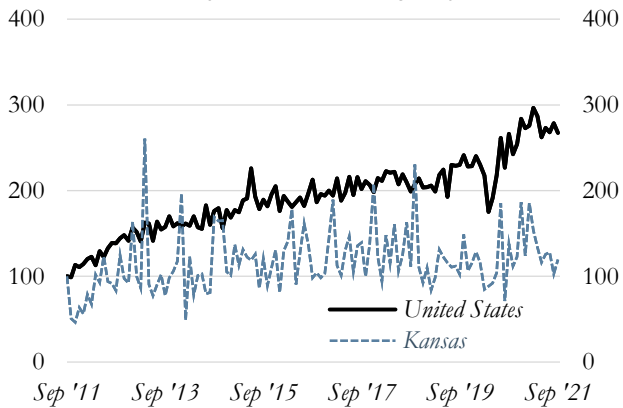


Rental Vacancy Rates



Housing Permits

Ten-Year Index of Growth, Seasonally Adjusted

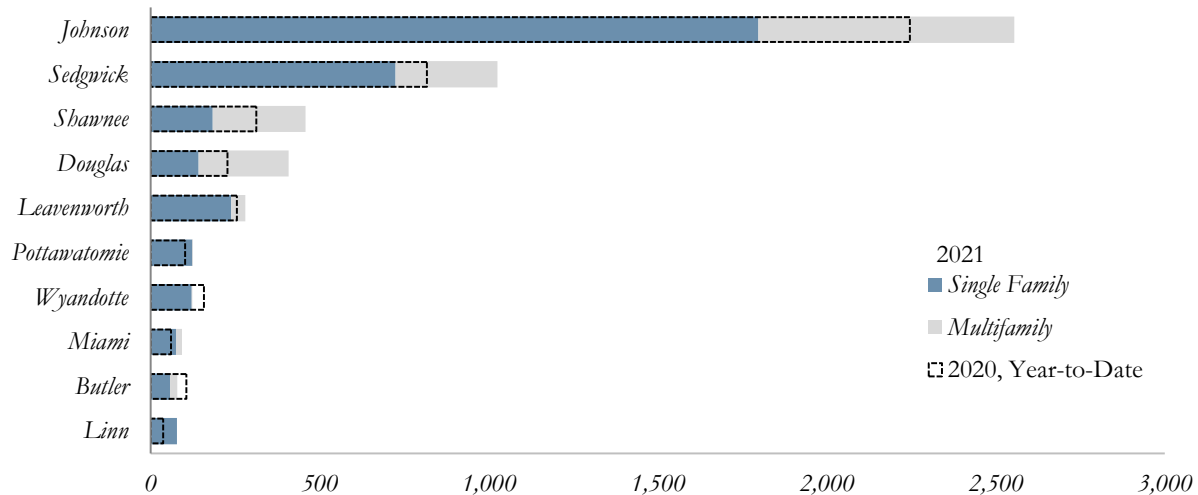


Summary Statistics		
	United States	Kansas
Prices (2021Q2)*	17.4%	16.3%
Vacancy Rates (2021Q2)	6.2%	8.3%
Permits (Year-to-Date)*		
Single Family	21.2%	20.1%
Multifamily	26.6%	21.6%

*Percent change year-over-year.

Top 10 Kansas Counties for Permit Activity

Year-to-Date through September

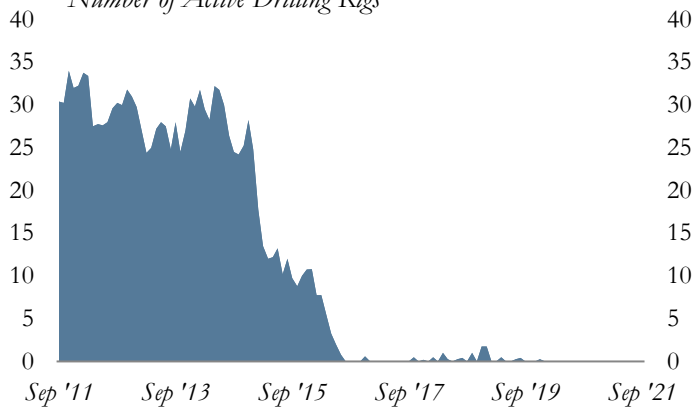


Source: Federal Housing Finance Agency (FHFA) & Census Bureau/Haver Analytics

Kansas Energy Activity

Oil & Gas Rig Counts

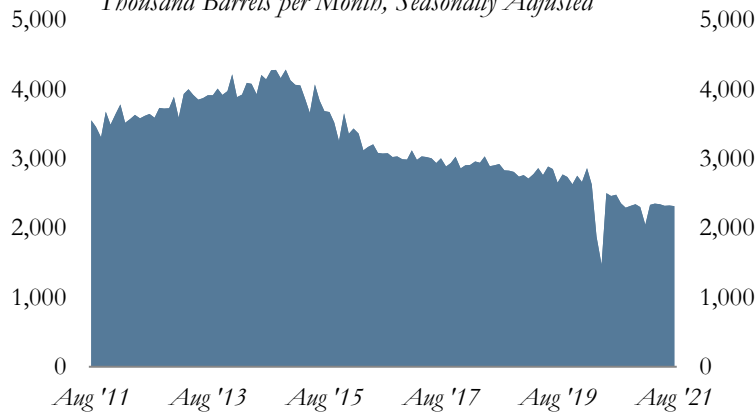
Number of Active Drilling Rigs



September 2021		
	<i>United States</i>	<i>Kansas</i>
Rig Count	508	0
<i>Change from</i>		
Last Month	7	0
Last Year	251	0
Share of U.S. Activity		0.0%

Crude Oil Production

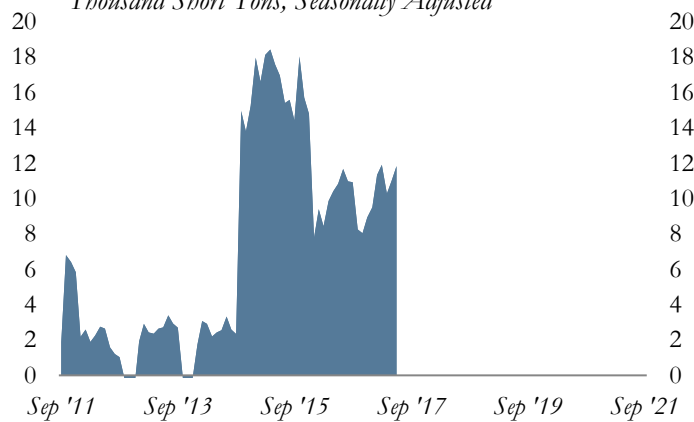
Thousand Barrels per Month, Seasonally Adjusted



August 2021		
	<i>United States</i>	<i>Kansas</i>
Production	342,517	2,317
<i>Change from</i>		
Last Month	-4.3%	-0.4%
Last Year	5.5%	-6.7%
Share of U.S. Activity		0.7%

Coal Production

Thousand Short Tons, Seasonally Adjusted

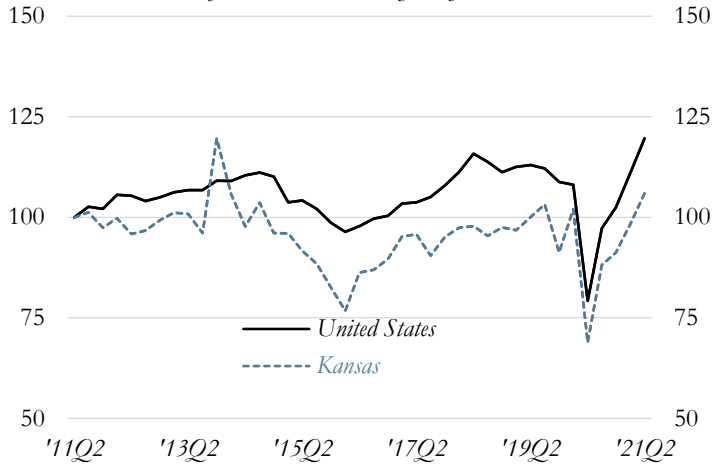


September 2021		
	<i>United States</i>	<i>Kansas</i>
Production	50,038	0
<i>Change from</i>		
Last Month	5.7%	N/A
Last Year	12.9%	N/A
Share of U.S. Activity		0.0%

Source: Baker Hughes & Department of Energy, Energy Information Administration/Haver Analytics

Global Exports

Ten-Year Index of Growth, Seasonally Adjusted

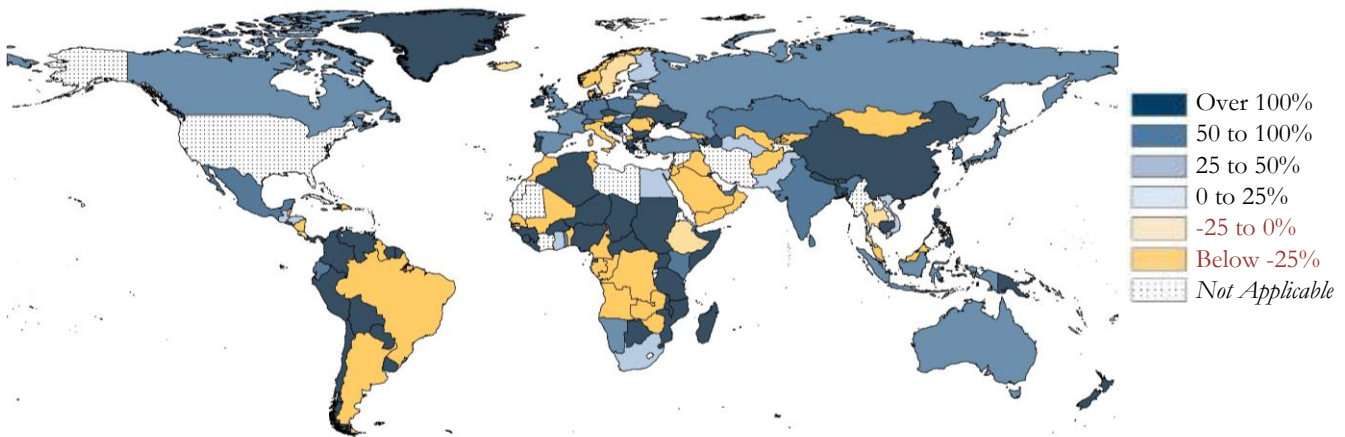


2021Q2		
	United States	Kansas
Exports (Millions)	\$440,189.1	\$3,159.8
<i>Change from</i>		
Last Quarter	7.7%	7.8%
Last Year (year-to-date)	23.2%	19.6%
Share of U.S. Activity		0.7%

2020		
	United States	Kansas
Exports as a Percent of GDP	7.7%	6.6%

Kansas Exports Year-to-Date through 2021Q2

Percent Change Year-over-Year



Top Markets	Share
1 Mexico	21.4%
2 China*	15.5
3 Canada	15.2
4 Japan	8.4
5 South Korea	4.5
6 Germany	4.0
7 United Kingdom	3.2
8 Australia	2.5
9 Singapore	2.2
10 Brazil	1.7

Top Exports	Share
1 Food	22.3%
2 Transportation Equip.	19.3
3 Agriculture & Livestock	18.3
4 Chemicals & Rare Earth Metals	9.1
5 Machinery (Except Electrical)	8.5
6 Computers & Electronics	7.9
7 Plastics & Rubber Products	3.0
8 Special Class Provisions	2.4
9 Electronic Equip. & Appliances	2.3
10 Fabricated Metal Products	2.3

*China includes Hong Kong, Taiwan, and Macao.

Source: Census Bureau, WISERTrade & Bureau of Economic Analysis/Haver Analytics

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/empst/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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