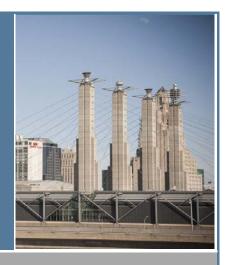
Missouri Economic Databook

A summary of regional economic indicators for the state of Missouri



FEBRUARY 25, 2019

FEDERAL RESERVE BANK of KANSAS CITY

SUMMARY OF CURRENT MISSOURI ECONOMIC CONDITIONS

In Missouri, the unemployment rate was 3.1 percent in December, and total payroll employment grew 1.4 percent compared to the previous year. Employment growth was mixed across industries, with the strongest gains in the leisure and hospitality and healthcare and social assistance sectors. Missouri nominal personal income grew 3.9 percent in the third quarter of 2018 compared to the previous year, with workplace earnings up 3.8 percent. Home prices increased 6.9 percent in the third quarter of 2018 compared to a year ago, while single-family and multifamily permits recorded a -4.6 and -13.5 percent change, respectively, year-to-date through November 2018. Missouri exports were 5.5 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; and exports. These indicators can be found on the following pages.

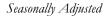


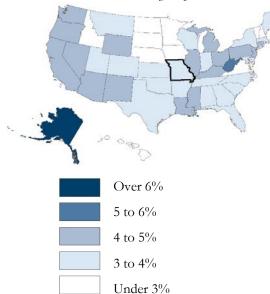
Jason Brown is an Assistant Vice President, Economist, and Regional Executive at the Federal Reserve Bank of Kansas City. In this role, Brown is the Federal Reserve Bank of Kansas City's regional economist in Kansas and Missouri. He is responsible for briefing the Kansas City Fed's President on the economy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

Unemployment Rates

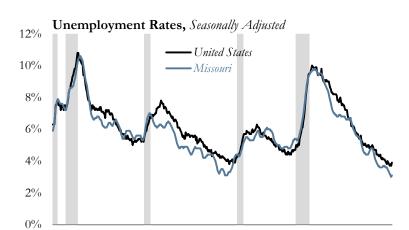
Seasonally Adjusted

December 2018 Unemployment Rates





December 2018				
	United States	Missouri		
Unemployment Rate	3.9%	3.1%		
Unemployment Rate, Last Year	4.1%	3.7%		



Note: Gray bars indicate recession.

1990

1995

1985

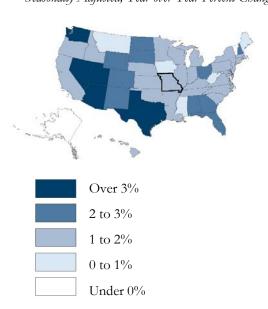
Payroll Employment

1980

Seasonally Adjusted

December 2018 Payroll Employment

Seasonally Adjusted, Year-over-Year Percent Change



December 2018				
	United States	Missouri		
Jobs (Thousands)	150,263.0	2,919.6		
Change from Last Year	1.8%	1.4%		

2000

2005

2010

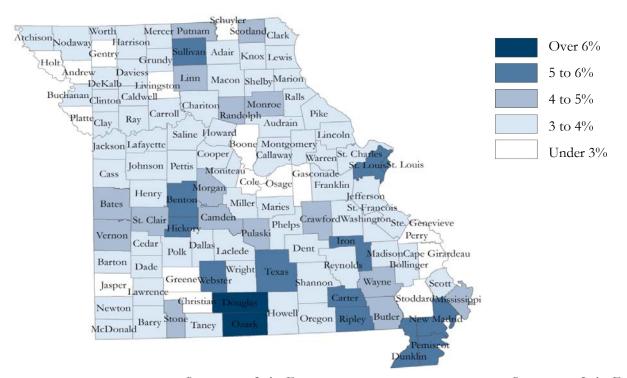
2015

Payroll Employment

Seasonally Adjusted, Year-over-Year Percent Change 8% 6% 4%2% 0%-2% -4% United States **-**Missouri -6% -8% 1980 1985 1990 1995 2000 2005 2010 2015 Note: Gray bars indicate recession.

December 2018 Unemployment Rates & Civilian Labor Force

Seasonally Adjusted

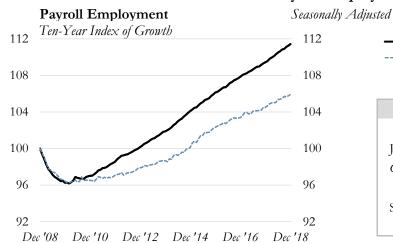


		Percent Unemployed	Labor Force (Thousands)			Percent Unemployed	Labor Force (Thousands)
	United States	3.9%	163,240	19	Stoddard	4.7	12.7
	Missouri	3.1	3,067	20	Linn	4.6	5.0
1	Douglas	10.7	5.2	21	St. Clair	4.5	3.6
2	Ozark	6.5	3.4	22	Butler	4.5	17.8
3	Pemiscot	5.7	6.2	23	Camden	4.5	18.2
4	Iron	5.7	3.4	24	Morgan	4.4	7.8
5	Dunklin	5.6	11.8	25	Schuyler	4.3	1.9
6	Wright	5.6	7.3	26	Pulaski	4.2	14.2
7	Taney	5.5	26.3	27	Monroe	4.2	3.8
8	Ripley	5.4	5.0	28	Putnam	4.0	2.4
9	Stone	5.4	13.4	29	Bates	4.0	8.1
10	Carter	5.4	2.5	30	Crawford	4.0	10.7
11	Wayne	5.3	5.2	31	Mississippi	4.0	5.8
12	Shannon	5.3	3.1	32	St. Louis (City)	4.0	156.7
13	New Madrid	5.1	7.6	33	Henry	4.0	9.5
14	Benton	5.1	7.0	34	St. François	3.9	26.2
15	Hickory	5.1	3.8	35	Johnson	3.9	22.6
16	Texas	4.8	8.6	36	Dallas	3.9	6.9
17	Washington	4.8	10.1	37	Polk	3.9	14.3
18	Randolph	4.7	10.1	38	Howell	3.9	15.8

December 2018 Unemployment Rates & Civilian Labor Force

		Percent Unemployed	Labor Force (Thousands)			Percent Unemployed	Labor Force (Thousands)
39	Ray	3.9	11.2	78	Harrison	3.3	3.7
40	Pettis	3.8	20.0	79	DeKalb	3.3	5.0
41	Vernon	3.8	9.3	80	Cass	3.3	55.2
42	Adair	3.8	10.8	81	Mercer	3.3	1.8
43	Jackson	3.8	368.4	82	Lafayette	3.3	17.3
44	Grundy	3.8	4.4	83	Moniteau	3.2	7.2
45	Clark	3.7	3.1	84	Nodaway	3.2	10.4
46	Oregon	3.7	3.8	85	Newton	3.2	27.8
47	Dent	3.7	6.0	86	Dade	3.2	3.5
48	Bollinger	3.7	5.4	87	Atchison	3.2	2.7
49	Pike	3.7	7.4	88	Howard	3.2	4.9
50	Marion	3.7	3.8	89	Scotland	3.2	2.3
51	Maries	3.7	5.3	90	Callaway	3.2	21.2
52	Scott	3.7	19.7	91	Macon	3.2	10.7
53	Cooper	3.6	7.3	92	Carroll	3.1	4.6
54	Sullivan	3.6	2.7	93	Lewis	3.1	5.0
55	Barton	3.6	5.0	94	Clay	3.1	136.3
56	Madison	3.6	7.5	95	Buchanan	3.1	46.6
57	Cedar	3.6	5.5	96	Warren	3.1	17.5
58	Audrain	3.5	10.5	97	Clinton	3.0	11.1
59	Lincoln	3.5	27.3	98	Montgomery	3.0	5.6
60	Lawrence	3.5	17.7	99	Chariton	3.0	3.6
61	Miller	3.5	11.8	100	Ste. Genevieve	2.9	9.1
62	Reynolds	3.5	3.0	101	Andrew	2.9	10.0
63	Barry	3.4	15.4	102	Gasconade	2.9	7.7
64	Phelps	3.4	19.3	103	Jasper	2.9	56.9
65	Daviess	3.4	3.9	104	Greene	2.9	151.0
66	Shelby	3.4	2.9	105	Livingston	2.8	7.3
67	Ralls	3.4	5.4	106	Cape Girardeau	2.8	40.9
68	Laclede	3.4	16.3	107	Platte	2.8	57.7
69	Jefferson	3.3	118.0	108	Christian	2.8	44.1
70	Knox	3.3	1.9	109	Cole	2.8	38.5
71	Saline	3.3	10.4	110	Perry	2.8	10.1
72	Franklin	3.3	52.8	111	Osage	2.7	7.0
73	Worth	3.3	1.1	112	St. Charles	2.7	222.8
74	McDonald	3.3	14.0	113	Boone	2.5	98.1
75	Webster	3.3	16.9	114	Holt	2.4	2.6
76	St. Louis	3.3	533.1	115	Gentry	2.4	3.5
77	Caldwell	3.3	4.4				

Payroll Employment

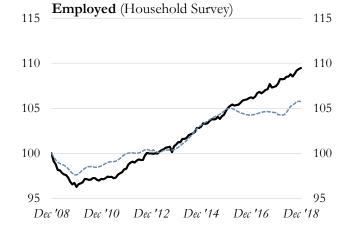


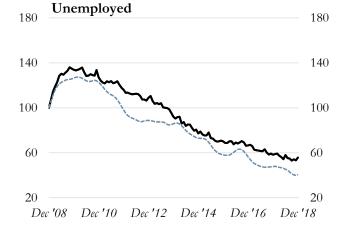
----- United States

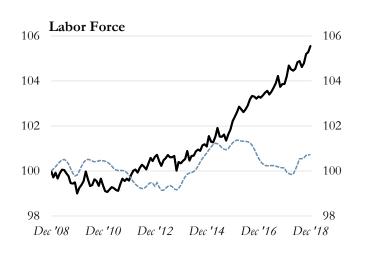
December 2018				
	United States	Missouri		
Jobs (Thousands)	150,270.0	2,919.6		
Change from Last Year	2,674.0	39.0		
(Thousands)				
Share of U.S. Employme	ent	1.9%		

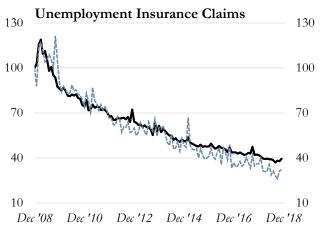
Labor Force Dynamics

Ten-Year Index of Growth, Seasonally Adjusted







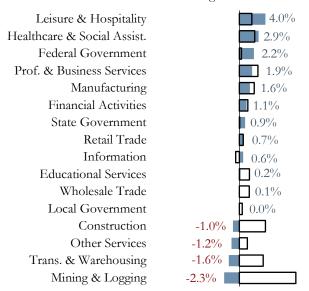


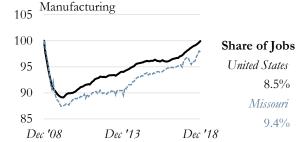
Source: Bureau of Labor Statistics & Department of Labor/Haver Analytics

Payroll Employment by Industry

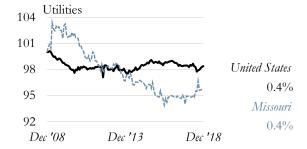
Seasonally Adjusted

December 2018 Percent Change Year-over-Year



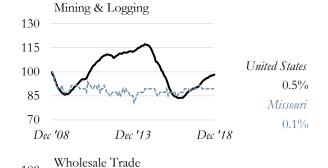


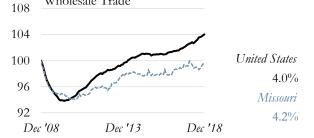




----- United States ------ Missouri









Information

110

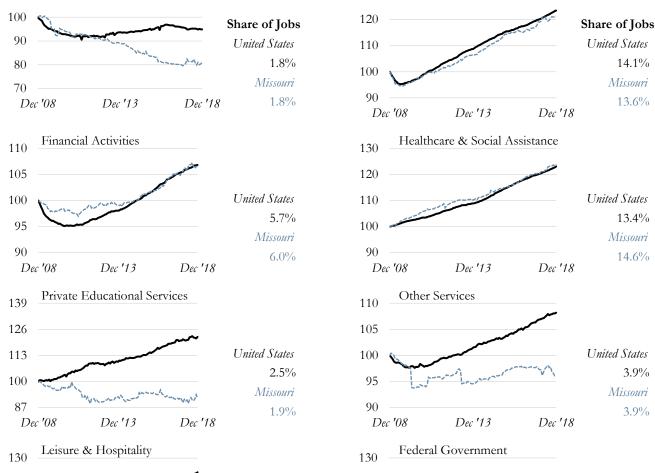
Professional & Business Services

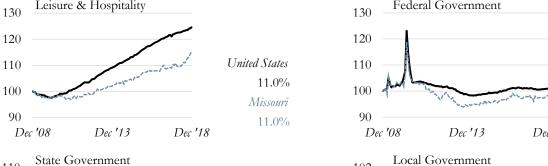
Payroll Employment by Industry

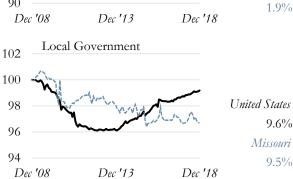
Ten-Year Index of Growth, Seasonally Adjusted

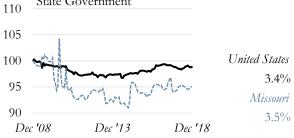
130

— United States ----- Missouri









Source: Bureau of Labor Statistics/Haver Analytics

United States

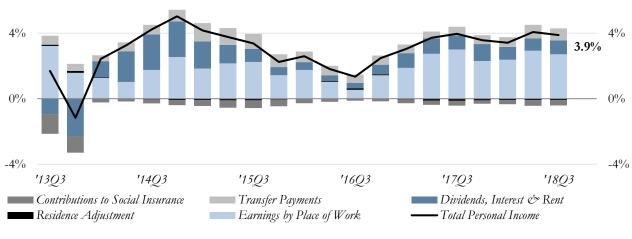
1.9%

Missouri

Missouri Nominal Personal Income Growth

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

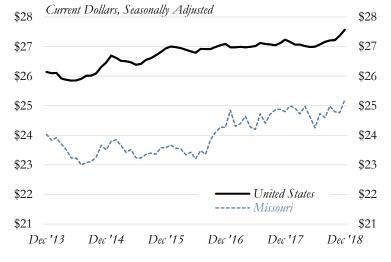
8%



2018Q3	Percent Change Year-over-Year		Share of Personal Income	
	United States	Missouri	United States	Missouri
Total Personal Income	4.4%	3.9%		
Earnings by Place of Work	4.1%	3.8%	70.7%	71.5%
Social Insurance Contributions*	-4.6%	-4.1%	-7.7%	-8.1%
Residence Adjustment		4.3%		-1.9%
Dividends, Interest & Rent	5.7%	4.6%	20.1%	18.8%
Transfer Payments	4.2%	3.7%	17.0%	19.7%

^{*}Subtracted from personal income.

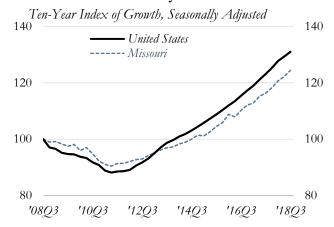
Real Average Hourly Wage



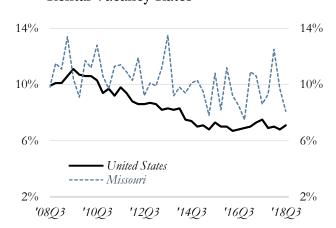
December 2018				
Average	United States	Missouri		
Hourly Wage \$27.57		\$25.20		
Real Change from Last Month Last Year	0.7% 1.2%	1.7% 1.6%		

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

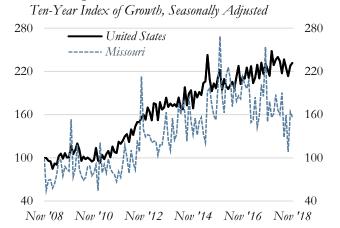
FHFA Purchase-Only Home Price Index



Rental Vacancy Rates



Housing Permits

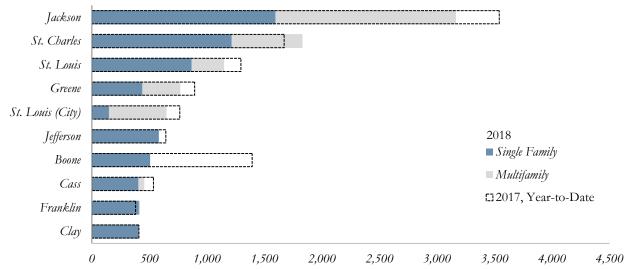


Summary Statistics				
	United States	Missouri		
Prices (2018Q3)*	6.3%	6.9%		
Vacancy Rates (2018Q3)	7.1%	8.1%		
Permits (Year-to-Date)*				
Single Family	5.1%	-4.6%		
Multifamily	3.3%	-13.5%		

^{*}Percent change year-over-year.

Top 10 Missouri Counties for Permit Activity

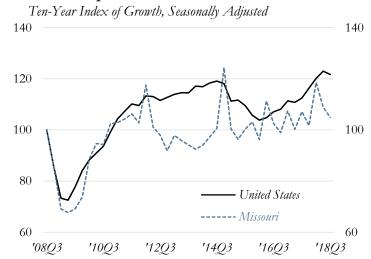
Year-to-Date through October



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

SELECTED TRADE INDICATORS

Global Exports

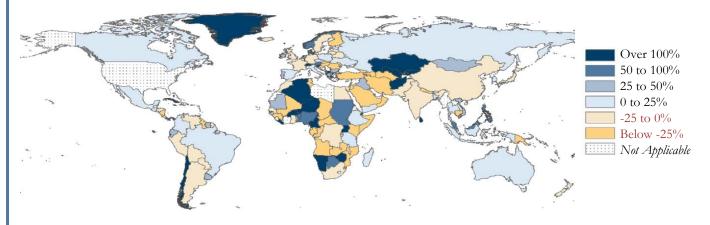


2018	Q3	
	United States	Missouri
Exports (Millions)	\$417,374.4	\$3,572.7
Change from		
Last Quarter	-1.0%	-3.7%
Last Year (year-to-date)	9.0%	5.5%
Share of U.S. Activity		0.9%

	2017	
Exports as a Percent of GDP	United States	Missouri 4.7%

Missouri Exports Year-to-Date through 2018Q3

Percent Change Year-over-Year



Тор	Markets	Share
1	Canada	40.2%
2	Mexico	17.7
3	China*	6.5
4	Japan	3.5
5	Belgium	3.3
6	Germany	2.7
7	South Korea	2.2
8	United Kingdom	2.2
9	Australia	1.8
10	Brazil	1.6

^{*}China includes Hong Kong, Taiwan, and Macao.

Top	Exports	Share
1	Transportation Equip.	29.4%
2	Chemicals & Rare Earth Metals	17.0
3	Food	9.1
4	Machinery (Except Electrical)	9.0
5	Electronic Equip. & Appliances	4.8
6	Computers & Electronics	4.0
7	Fabricated Metal Products	4.0
8	Agriculture & Livestock	3.3
9	Primary Metals	3.0
10	Plastics & Rubber Products	2.5

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 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: 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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