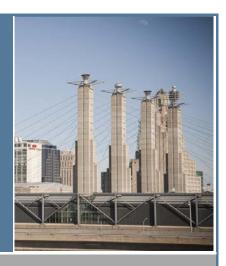
Missouri Economic Databook

A summary of regional economic indicators for the state of Missouri



MARCH 25, 2019

FEDERAL RESERVE BANK of KANSAS CITY

SUMMARY OF CURRENT MISSOURI ECONOMIC CONDITIONS

In Missouri, the unemployment rate was 3.2 percent in February, and total payroll employment grew 0.5 percent compared to the previous year. Employment growth was mixed across industries, with the strongest gains in the mining and logging and manufacturing 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 7.3 percent in the fourth quarter of 2018 compared to a year ago, while single-family and multifamily permits recorded a -4.3 and 153.8 percent change, respectively, year-to-date through January 2019. Missouri exports were 2.1 percent higher in the fourth 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.

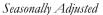


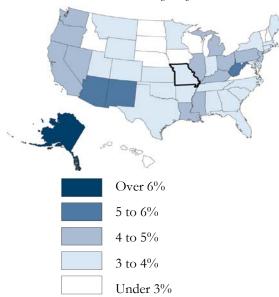
Jason Brown is an Assistant Vice President, Economist, and Regional Executive at the Federal Reserve Bank of Kansas City. In this role, Brown is the Federal Reserve Bank of Kansas City's regional economist in Kansas and Missouri. He is responsible for briefing the Kansas City Fed's President on the economy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

Unemployment Rates

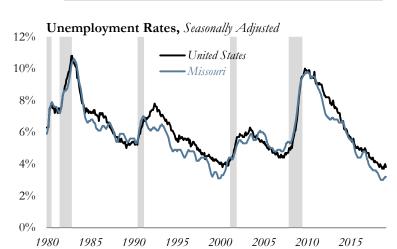
Seasonally Adjusted

February 2019 Unemployment Rates





February 2019				
	United States	Missouri		
Unemployment Rate	3.8%	3.2%		
Unemployment Rate, Last Year	4.1%	3.5%		



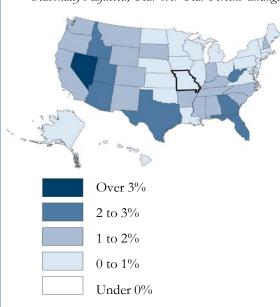
Note: Gray bars indicate recession.

Payroll Employment

Seasonally Adjusted

February 2019 Payroll Employment

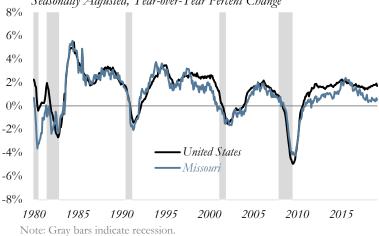
Seasonally Adjusted, Year-over-Year Percent Change



February 2019				
	United States	Missouri		
Jobs (Thousands)	150,606.0	2,898.6		
Change from Last Year	1.7%	0.5%		

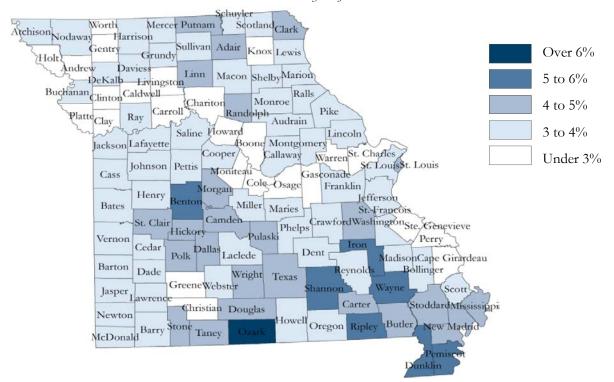
Payroll Employment

Seasonally Adjusted, Year-over-Year Percent Change



January 2019 Unemployment Rates & Civilian Labor Force

Seasonally Adjusted

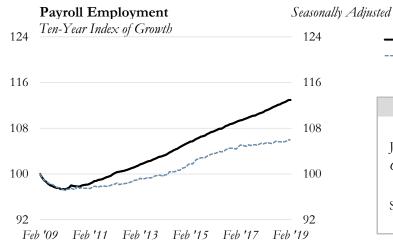


		Percent	Labor Force			Percent	Labor Force
		Unemployed	(Thousands)			Unemployed	(Thousands)
	United States	4.0%	163,229	19	Mississippi	4.4	5.9
	Missouri	3.2	3,057	20	Douglas	4.4	4.9
1	Ozark	6.4	3.5	21	Wright	4.3	7.4
2	Pemiscot	5.8	6.3	22	Clark	4.3	3.2
3	Dunklin	5.8	11.9	23	Camden	4.3	18.3
4	Shannon	5.8	3.3	24	Randolph	4.3	10.2
5	Iron	5.4	3.6	25	Stone	4.2	13.4
6	Ripley	5.3	5.1	26	St. Louis (City)	4.2	155.4
7	Wayne	5.2	5.3	27	Polk	4.1	14.6
8	Benton	5.0	7.1	28	Dallas	4.1	7.1
9	Carter	4.8	2.5	29	Morgan	4.0	7.9
10	St. Clair	4.8	3.8	30	Pulaski	4.0	14.7
11	New Madrid	4.8	8.1	31	Adair	4.0	10.8
12	Butler	4.7	17.7	32	Putnam	4.0	2.5
13	Stoddard	4.6	13.1	33	Oregon	4.0	3.9
14	Hickory	4.6	3.9	34	Grundy	3.9	4.4
15	Washington	4.6	10.1	35	Schuyler	3.9	2.0
16	Taney	4.5	26.0	36	Reynolds	3.9	3.0
17	Linn	4.5	5.0	37	Jackson	3.9	364.2
18	Texas	4.5	8.9	38	Bates	3.9	8.0

January 2019 Unemployment Rates & Civilian Labor Force

		Percent Unemployed	Labor Force (Thousands)			Percent Unemployed	Labor Force (Thousands)
39	St. François	3.9	26.3	78	Sullivan	3.2	2.8
40	Henry	3.9	9.7	79	Mercer	3.2	1.9
41	Maries	3.8	5.4	80	Harrison	3.2	3.7
42	Audrain	3.8	10.7	81	Cass	3.2	54.5
43	Madison	3.8	7.7	82	Atchison	3.1	2.8
44	Cedar	3.8	5.7	83	Nodaway	3.1	10.7
45	Howell	3.8	16.4	84	Lafayette	3.1	17.0
46	Pettis	3.8	20.4	85	DeKalb	3.1	4.8
47	Pike	3.8	7.5	86	Montgomery	3.1	5.7
48	Vernon	3.8	9.6	87	Callaway	3.0	21.0
49	Scott	3.8	20.0	88	Lewis	3.0	5.1
50	Bollinger	3.7	5.5	89	Scotland	3.0	2.4
51	Dent	3.7	6.2	90	Barton	3.0	5.2
52	Crawford	3.6	10.8	91	Knox	3.0	1.9
53	Lawrence	3.6	18.1	92	Andrew	3.0	9.7
54	Ray	3.6	11.1	93	Greene	2.9	151.5
55	McDonald	3.5	14.3	94	Christian	2.9	44.4
56	Cooper	3.5	7.4	95	Cape Girardeau	2.9	40.1
57	Miller	3.5	12.2	96	Caldwell	2.9	4.4
58	Monroe	3.5	3.9	97	Moniteau	2.9	7.2
59	Marion	3.5	3.9	98	Clinton	2.9	10.9
60	Johnson	3.5	22.6	99	Clay	2.8	134.8
61	Webster	3.5	17.2	100	Chariton	2.8	3.7
62	Laclede	3.5	16.7	101	Carroll	2.8	4.7
63	St. Louis	3.5	528.4	102	Howard	2.8	4.9
64	Phelps	3.4	19.6	103	Cole	2.8	38.1
65	Newton	3.4	27.5	104	Perry	2.7	10.2
66	Macon	3.4	10.6	105	Gasconade	2.7	7.7
67	Shelby	3.4	3.0	106	Warren	2.7	17.4
68	Barry	3.4	15.6	107	St. Charles	2.7	221.8
69	Ralls	3.3	5.6	108	Ste. Genevieve	2.6	2.0
70	Buchanan	3.3	44.5	109	Gentry	2.6	3.6
71	Dade	3.3	3.6	110	Boone	2.5	97.4
72	Daviess	3.3	4.0	111	Worth	2.5	1.2
73	Jefferson	3.3	116.6	112	Livingston	2.5	7.5
74	Lincoln	3.3	27.2	113	Platte	2.4	57.7
75	Jasper	3.3	57.1	114	Holt	2.4	2.6
76	Franklin	3.2	52.4	115	Osage	2.3	7.0
77	Saline	3.2	10.8				

Payroll Employment

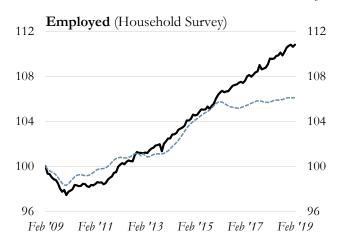


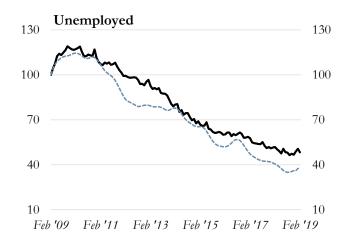
 United States
 Missouri

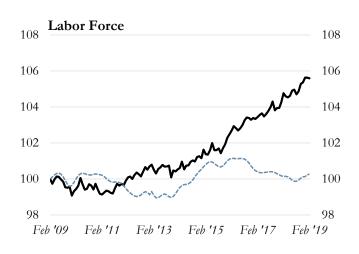
February 2019				
	United States	Missouri		
Jobs (Thousands)	150,606.0	2,898.6		
Change from Last Year	2,509.0	14.8		
(Thousands)				
Share of U.S. Employm	ent	1.9%		

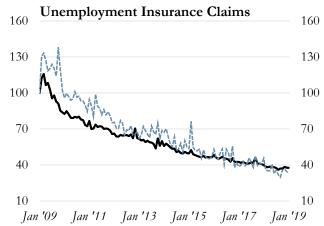
Labor Force Dynamics

Ten-Year Index of Growth, Seasonally Adjusted







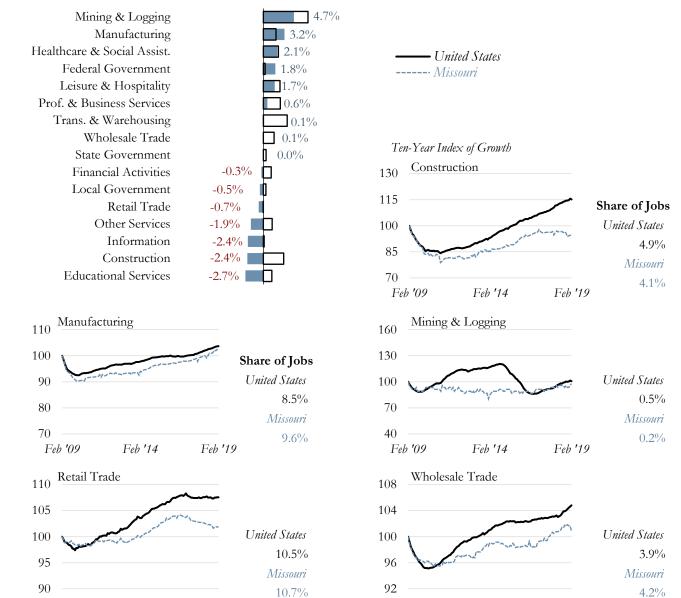


Source: Bureau of Labor Statistics & Department of Labor/Haver Analytics

Payroll Employment by Industry

Seasonally Adjusted

February 2019 Percent Change Year-over-Year



Feb '09

145

130

115

100

85

Feb '09

Feb '14

Transportation & Warehousing

Feb '14

Feb '19

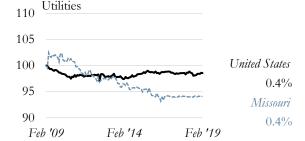
Feb '19

United States

3.7%

3.4%

Missouri



Feb '19

Feb '14

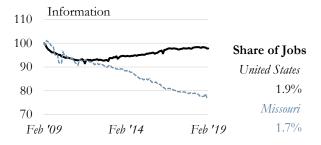
Source: Bureau of Labor Statistics/Haver Analytics

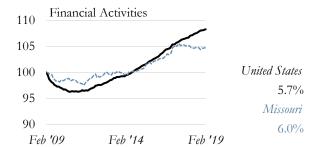
Feb '09

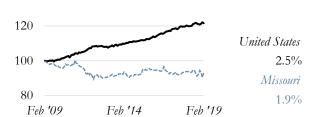
Payroll Employment by Industry

Ten-Year Index of Growth, Seasonally Adjusted

United States
----- Missouri

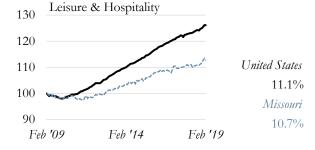


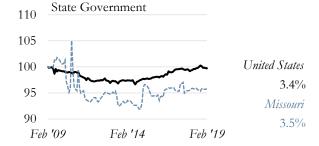


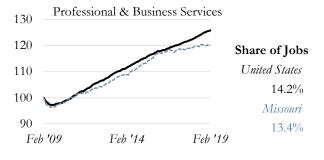


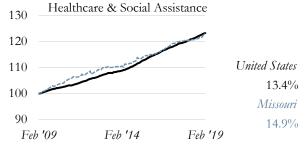
Private Educational Services

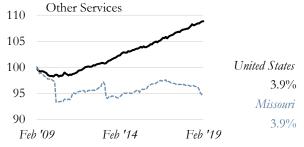
140

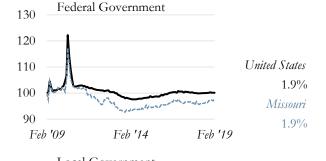


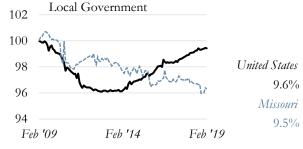








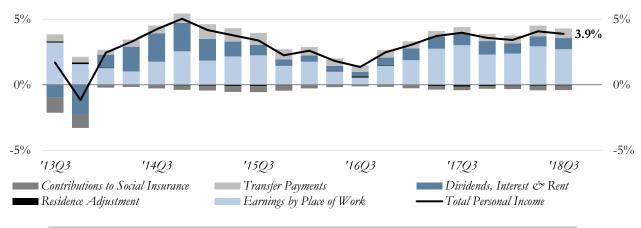




Missouri Nominal Personal Income Growth

10% Contributions to Percent Change Year-over-Year, Seasonally Adjusted

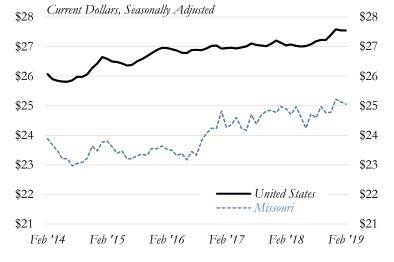
10%



2018Q3	Percent Change	Year-over-Year	Share of Perso	onal Income
	United States	Missouri	United States	Missouri
Total Personal Income	4.5%	3.9%		
Earnings by Place of Work	4.3%	3.8%	70.7%	71.5%
Social Insurance Contributions*	-4.7%	-4.1%	-7.7%	-8.1%
Residence Adjustment		4.3%		-1.9%
Dividends, Interest & Rent	5.7%	4.6%	20.0%	18.8%
Transfer Payments	4.2%	3.7%	17.0%	19.7%

^{*}Subtracted from personal income.

Real Average Hourly Wage



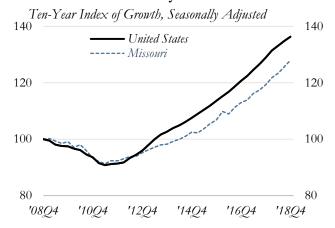
Fei	February 2019				
Average	United States	Missouri			
Hourly Wage \$27.54		\$25.05			
Real Change from					
Last Month	0.0%	-0.3%			
Last Year	1.9%	0.6%			

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

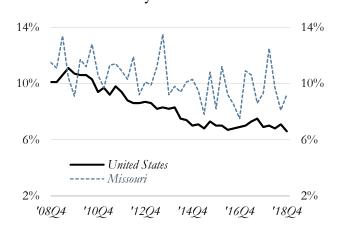
MISSOURI Economic Databook

SELECTED HOUSING INDICATORS

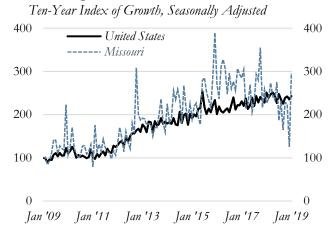
FHFA Purchase-Only Home Price Index



Rental Vacancy Rates



Housing Permits

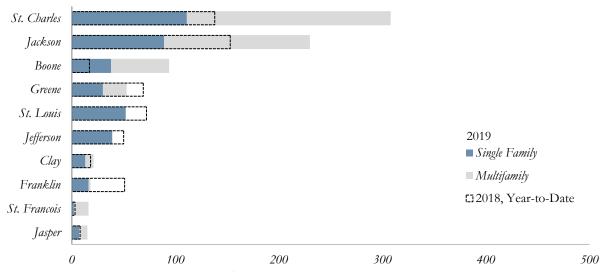


Summary Statistics			
	United States	Missouri	
Prices (2018Q4)*	5.7%	7.3%	
Vacancy Rates (2018Q4)	6.6%	9.2%	
Permits (Year-to-Date)*			
Single Family	-6.0%	-4.3%	
Multifamily	4.1%	153.8%	

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

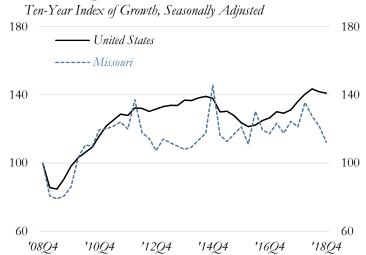
Top 10 Missouri Counties for Permit Activity

Year-to-Date through January



SELECTED TRADE INDICATORS

Global Exports

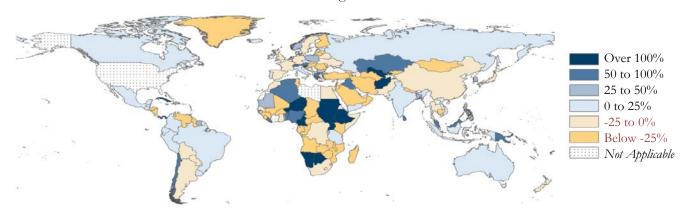


2018	Q4	
	United States	Missouri
Exports (Millions)	\$413,780.2	\$3,274.1
Change from		
Last Quarter	-0.7%	-7.8%
Last Year (year-to-date)	7.6%	2.1%
Share of U.S. Activity		0.8%

2017				
Exports as a	United States	Missouri		
Percent of GDP	7.9%	4.7%		

Missouri Exports Year-to-Date through 2018Q4

Percent Change Year-over-Year



Тор	Markets	Share
1	Canada	38.2%
2	Mexico	18.0
3	China*	6.5
4	Japan	3.7
5	Belgium	3.4
6	Germany	3.0
7	South Korea	2.3
8	United Kingdom	2.2
9	Australia	2.2
10	France	1.7

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

Top Exports		Share
1	Transportation Equip.	25.0%
2	Chemicals & Rare Earth Metals	18.0
3	Food	9.7
4	Machinery (Except Electrical)	9.4
5	Electronic Equip. & Appliances	5.1
6	Computers & Electronics	4.6
7	Fabricated Metal Products	4.4
8	Agriculture & Livestock	3.6
9	Primary Metals	3.2
10	Plastics & Rubber Products	2.6

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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