



Key Points: Economic Data for Market Participants and Public Officials

Ohio GFOA Annual Membership Meeting 2021

Jordan Peters





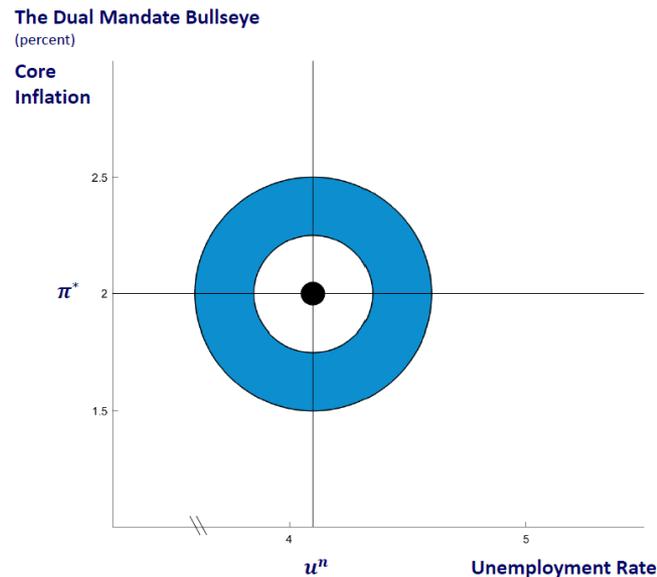
Agenda

- Federal Reserve policy mandate
- Monthly economic data calendar
- Economic data releases analysis
- Available resources

Federal Reserve Dual Mandate

Maximize employment while maintaining price stability

...and moderate long-term interest rates



Source: Federal Reserve Bank of Chicago



Current Federal Reserve Policy

- Target Federal Funds rate of 0.00-0.25%
- \$120 billion of monthly asset purchases
 - \$80 billion of U.S. Treasury purchases
 - \$40 billion of agency mortgage-backed securities

Economic Release Calendar – September 2021

Monday		Tuesday		Wednesday		Thursday		Friday	
	30		31		1		2		3
				ADP National Employment Report		Initial Claims			
				Construction		International Trade		Employment Situation	
				ISM Manufacturing		Productivity & Costs (Revised)		ISM Non-Manufacturing	
						Manufacturing, Shipments, and Orders			
	6		7		8		9		10
		CoreLogic Home Price Index				Initial Claims		Wholesale Trade	
						JOLTS			

Economic Release Calendar – September 2021

Monday		Tuesday		Wednesday		Thursday		Friday	
	13		14		15		16		17
Survey of Consumer Expectations		Consumer Price Index		Empire State Manufacturing Survey Imports and Exports Industrial Production and Capacity Utilization		Advance Retail Sales Business Leaders Survey Initial Claims Philadelphia Fed Manufacturing Survey		Michigan Consumer Survey (Preliminary)	
	20		21		22		23		24
		New Residential Construction Philadelphia Fed Non-Manufacturing Survey		NAR Existing Home Sales		Chicago Fed National Activity Index Initial Claims		New Residential Sales	
	27		28		29		30		1
Advance Durable Goods Dallas Fed Manufacturing Survey		Advance International Trade in Goods Consumer Confidence Richmond Fed Survey		Pending Home Sales Index		Gross Domestic Product 3rd Release Initial Claims		Personal Income and PCE Deflator Construction ISM Manufacturing Michigan Consumer Survey (Final)	



Data in Focus for Dual Mandate

- Maximize employment
 - Employment situation
- Maintaining Price Stability
 - Consumer price index (CPI)
 - Personal consumption expenditures (PCE)
 - Preferred Federal Reserve measure



Employment Situation

- Monthly release by the U.S. Bureau of Labor Statistics
- Published the first Friday of the month at 8:30am
- Statistics from two major surveys reported
 - Household Survey (Current Population survey)
 - Establishment Survey (Current Employment Statistics survey)

EMPLOYMENT SITUATION

Bond Market Reaction





EMPLOYMENT SITUATION

Household Survey

- Week that contains the 12th of the month from sample of individual households
- Contains information on:
 - Labor force
 - Employment and unemployment
- Market data points
 - Unemployment rate
 - Unemployment rates by demographic groups
 - Labor force participation rate
 - Measures of labor utilization



EMPLOYMENT SITUATION

Household Survey Analysis

- Unemployment rate headline statistic
- Drivers of change in unemployment rate
 - Healthy drivers
 - More people reporting employment
 - Growth in labor force
 - Unhealthy drivers
 - Increase in those reporting unemployment
 - Individuals leaving labor force
- Second level of analysis – labor force participation rate
 - Size of labor force
- Third level – employment to population ratio
 - Employment reporting
- Additional level – U-6 unemployment rate



EMPLOYMENT SITUATION

Establishment Survey

- Pay period that contains the 12th of the month from sample of private and government entities
- Contains information on:
 - Employment, hours, and earnings
- Market data points
 - Jobs gained or lost
 - Changes in jobs by industry
 - Average hourly earnings
 - Average workweek
 - Revisions from previous two months

EMPLOYMENT SITUATION

Establishment Survey

NFP TCH Index

Series US Employees on Nonfarm Payrolls Total MoM Net Change SA
 (SA, Net Monthly Change)

Country/Region United States Source Bureau of Labor Statistics

1 Description 2 Release Details 3 Related Indicators 4 Related News

Calendar 2021

Date	Time Period	Survey					Actual	Prior	Revised
		Med	Avg	High	Low	Num			
31) 01/08	08:30 Dec	50k	40k	300k	-400k	66	-140k	245k	264k
32) 02/05	08:30 Jan	105k	111k	400k	-250k	75	49k	-140k	-306k
33) 03/05	08:30 Feb	200k	202k	500k	-35k	76	379k	49k	233k
34) 04/02	08:30 Mar	660k	688k	1000k	350k	76	916k	379k	536k
35) 05/07	08:30 Apr	1000k	1033k	2100k	700k	77	266k	916k	785k
36) 06/04	08:30 May	675k	665k	1000k	335k	79	559k	266k	269k
37) 07/02	08:30 Jun	720k	704k	1050k	400k	75	850k	559k	614k
38) 08/06	08:30 Jul	870k	855k	1200k	350k	72	943k	850k	962k
39) 09/03	08:30 Aug	733k	706k	1000k	400k	70	235k	943k	1053k
40) 10/08	08:30 Sep	500k	508k	550k	475k	3	-	235k	-
41) 11/05	08:30 Oct	-	-	-	-	0	-	-	-
42) 12/03	08:30 Nov	-	-	-	-	0	-	-	-



EMPLOYMENT SITUATION

Establishment Survey Analysis

- Change in nonfarm payroll topline number
 - Job gains/losses by industry
 - Impacts of employment seasonality
 - Holiday hiring and post holiday employment reductions
 - K-12 academic year impact to begin and end summer
 - Average hourly earnings
 - Movement impacted by where jobs gains and losses occur
 - Volatile measure of wage growth

MAINTAINING PRICE STABILITY

Consumer Price Index (CPI)

- Compiled by Bureau of Labor Statistics
- Average change in prices basket of goods and services for urban consumers
- All Items, Food, Energy, All items less food and energy
- Basket and weighting determined consumer expenditure diaries
 - Basket can be fixed for up to two years
- Adjust other economic data series and cost of living for federal programs

MAINTAINING PRICE STABILITY

Consumer Price Index (CPI)



MAINTAINING PRICE STABILITY

Consumer Price Index (CPI)

Food (cereals & bakery goods, meat, poultry, fish, eggs, dairy products, beverages, fruits & vegetables, food away from home)

Energy (gasoline & electricity)



Commodities (apparel, vehicles, household furnishings, recreation)

Shelter

Medical expenses

Transportation (vehicle insurance & maintenance, airfare)

MAINTAINING PRICE STABILITY

Consumer Price Index (CPI)

CPI YOY Index

Series [US CPI Urban Consumers YoY NSA »](#) 
 (NSA, YoY%)
 Country/Region [United States »](#) Source [Bureau of Labor Statistics »](#)

[Description](#) | [Release Details](#) | [Related Indicators](#) | [Related News](#)

Calendar 2021

Date	Time Period	Survey					Actual	Prior	Revised
		Med	Avg	High	Low	Num			
31) 01/13	08:30 Dec	1.3%	1.3%	1.5%	1.1%	48	1.4%	1.2%	-
32) 02/10	08:30 Jan	1.5%	1.5%	1.6%	1.4%	44	1.4%	1.4%	-
33) 03/10	08:30 Feb	1.7%	1.7%	1.8%	1.5%	47	1.7%	1.4%	-
34) 04/13	08:30 Mar	2.5%	2.5%	2.7%	2.3%	49	2.6%	1.7%	-
35) 05/12	08:30 Apr	3.6%	3.6%	3.9%	3.4%	47	4.2%	2.6%	-
36) 06/10	08:30 May	4.7%	4.7%	5.0%	4.2%	47	5.0%	4.2%	-
37) 07/13	08:30 Jun	4.9%	4.9%	5.2%	4.7%	47	5.4%	5.0%	-
38) 08/11	08:30 Jul	5.3%	5.3%	5.6%	5.1%	47	5.4%	5.4%	-
39) 09/14	08:30 Aug	5.3%	5.3%	5.5%	4.9%	50	5.3%	5.4%	-
40) 10/13	08:30 Sep	-	-	-	-	0	-	5.3%	-
41) 11/10	08:30 Oct	-	-	-	-	0	-	-	-
42) 12/10	08:30 Nov	-	-	-	-	0	-	-	-

MAINTAINING PRICE STABILITY

Personal Consumption Expenditures (PCE)

- Compiled by Bureau of Economic Analysis
- Included in personal consumption component of GDP
- Measures prices on goods and services for all households and nonprofits
- Broader basket of goods and adjusts for consumer behavior
 - Substitution of goods
 - Month to month or quarter to quarter updates
- PCE and core PCE (excluding food and energy)

MAINTAINING PRICE STABILITY

Personal Consumption Expenditures (PCE)



MAINTAINING PRICE STABILITY

Personal Consumption Expenditures (PCE)

Durable Goods
(motor vehicles & parts, household goods, recreational goods, others)

Nondurable goods
(food & beverages – off site, clothing & footwear, gas & energy, others – pharmaceuticals, games, household supplies, personal care)



Services (household consumption – housing & utilities, healthcare, transportation services, recreation services, food services, accommodations, financial services, other – communication, education, professional, personal)

MAINTAINING PRICE STABILITY

Personal Consumption Expenditures (PCE)

PCE CYOY Index

Series: [US Personal Consumption Expenditure Core Price Index YoY SA](#) 
 (SA, YoY%)

Country/Region: [United States](#) » Source: [Bureau of Economic Analysis](#) »

[1 Description](#)
[2 Release Details](#)
[3 Related Indicators](#)
[4 Related News](#)

Calendar 2021

Date	Time Period		Survey					Actual	Prior	Revised
			Med	Avg	High	Low	Num			
31) 01/29	08:30	Dec	1.3%	1.3%	1.4%	1.2%	39	1.5%	1.4%	1.4%
32) 02/26	08:30	Jan	1.4%	1.5%	1.7%	1.3%	37	1.5%	1.5%	1.5%
33) 03/26	08:30	Feb	1.5%	1.5%	1.8%	1.4%	36	1.4%	1.5%	1.5%
34) 04/30	08:30	Mar	1.8%	1.8%	1.9%	1.7%	38	1.8%	1.4%	1.5%
35) 05/28	08:30	Apr	2.9%	2.9%	3.2%	2.6%	38	3.1%	1.8%	2.0%
36) 06/25	08:30	May	3.4%	3.4%	3.6%	3.3%	39	3.4%	3.1%	-
37) 07/30	08:30	Jun	3.7%	3.6%	3.9%	3.3%	39	3.5%	3.4%	3.5%
38) 08/27	08:30	Jul	3.6%	3.6%	3.7%	3.3%	35	3.6%	3.5%	3.6%
39) 10/01	08:30	Aug	3.6%	3.6%	3.7%	3.6%	3	-	3.6%	-
40) 10/29	08:30	Sep	-	-	-	-	0	-	-	-
41) 11/24	10:00	Oct	-	-	-	-	0	-	-	-
42) 12/23	08:30	Nov	-	-	-	-	0	-	-	-



MAINTAINING PRICE STABILITY

Differences between CPI and PCE

- CPI historically reported higher levels of inflation
- Different basket of goods included in each index
 - CPI measures prices paid by households
 - PCE includes expenditures on behalf of households
- Weighting of the basket of goods varies
 - CPI based on consumer surveys and data
 - PCE based on business surveys and data
- PCE can be adjusted more quickly

Other Labor Related Measures

- ADP Private Payrolls
 - Released Wednesday before Employment Situation
 - Change in private payrolls for the month
- Personal Income
 - Bureau of Economic Analysis data published monthly
 - Includes disposal income and savings measures
- Initial Claims
 - Measures individuals filing for federal unemployment insurance
- JOLTS
 - Job Openings and Labor Turnover Survey
 - Unmet demand for labor

Other Price Related Measures

- Retail Sales
 - Census Bureau publication
 - Control Group
 - Construction of the Personal Consumption Expenditure (PCE) series
 - Consumer represents ~70% of U.S. GDP
- Producer Price Index (PPI)
 - Bureau of Labor Statistics data
 - Measure of inflation based on input cost to producers
- Home sales and prices



Additional Monthly Releases

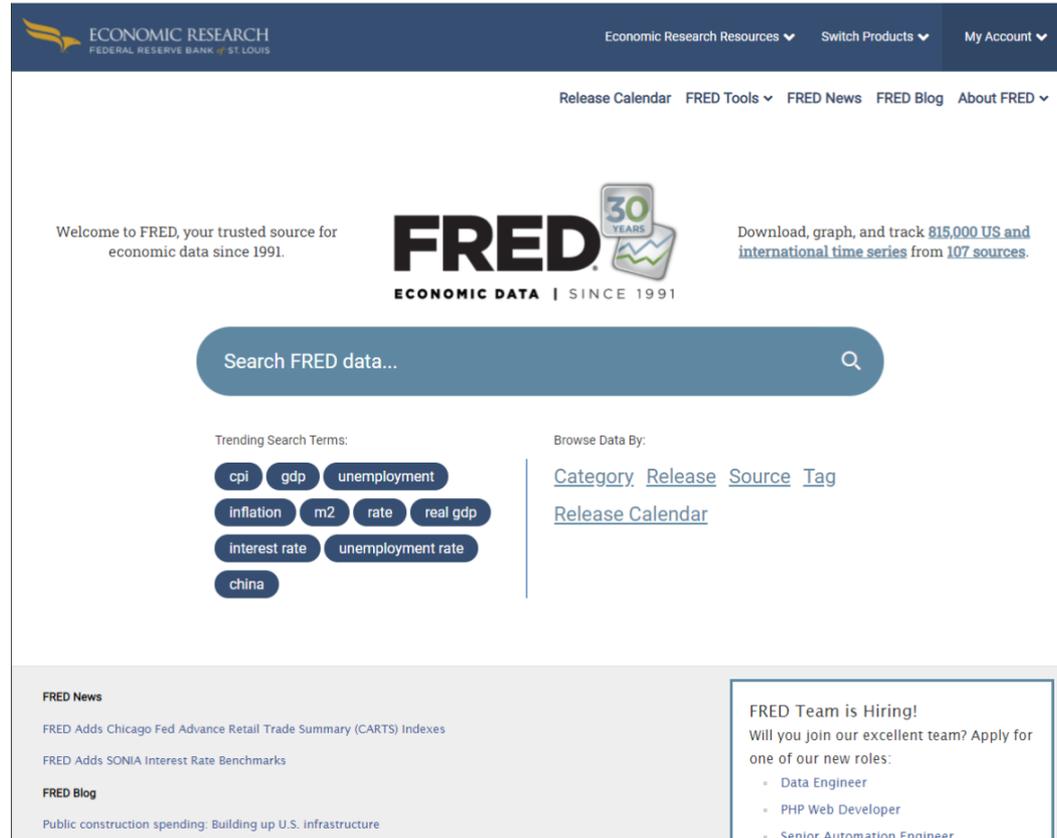
- GDP and components
 - International trade
 - Construction
 - Durable goods
- ISM
 - Manufacturing and non-manufacturing
 - Measures activity and includes labor indicator
- Consumer surveys
 - Michigan
 - Survey of consumer expectations
- Federal Reserve Surveys and Indices
 - Philadelphia, Chicago, Richmond, Dallas



Data Sources

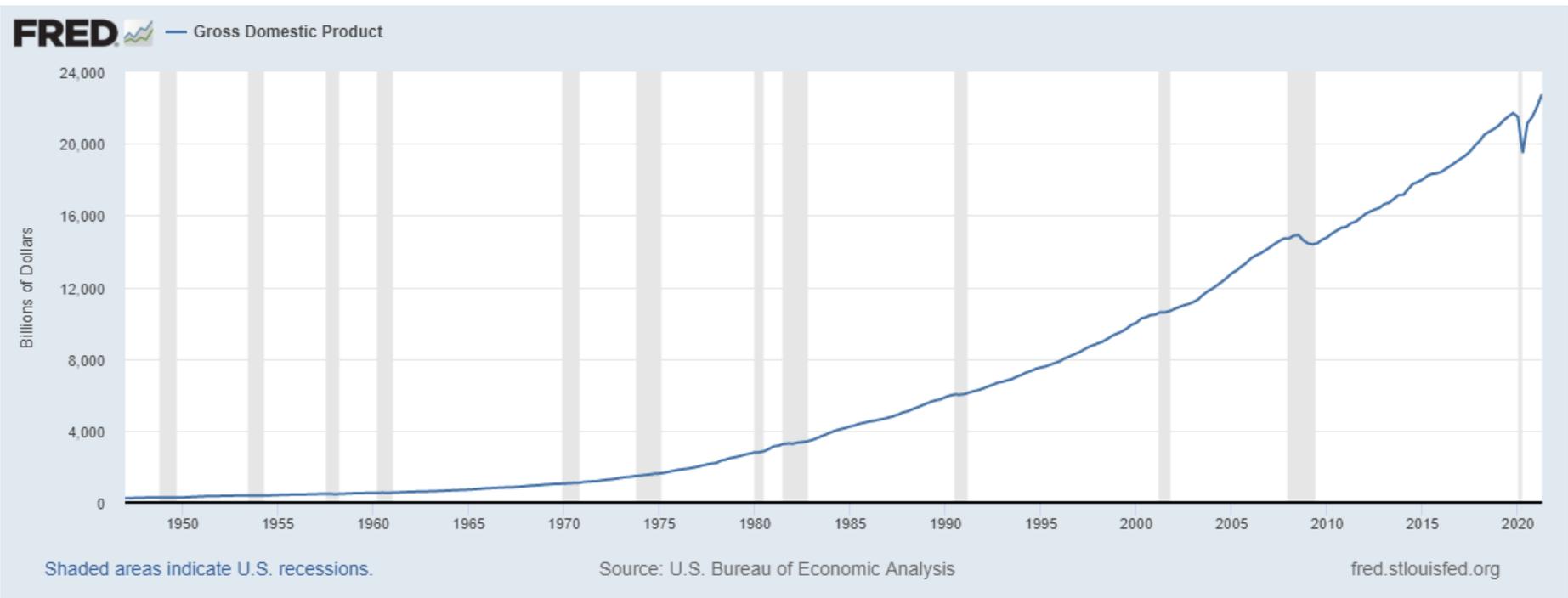
- Bureau of Labor Statistics
 - Employment Situation
 - CPI
 - PPI
- Bureau of Economic Analysis
 - PCE
 - Personal Income
 - GDP
- U.S. Census Bureau
 - Retail Sales
- Federal Reserve

Federal Reserve Economic Data (FRED)

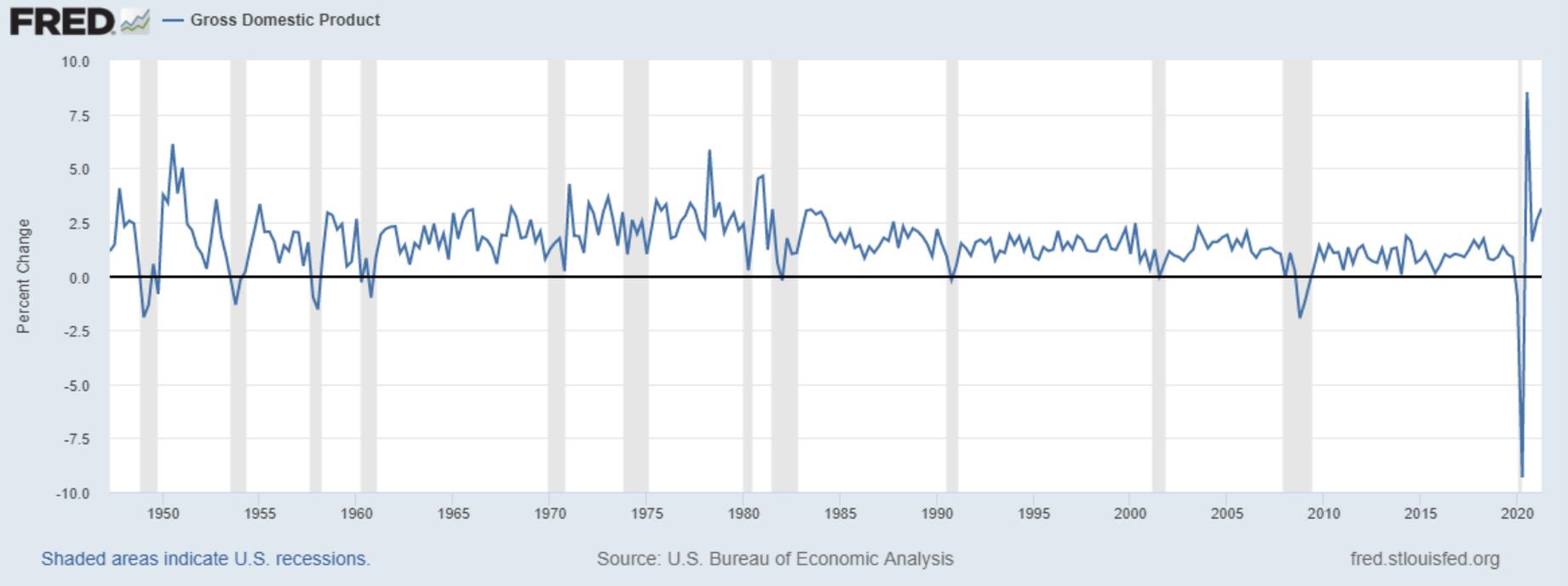


The screenshot shows the FRED website homepage. At the top, there is a dark blue header with the 'ECONOMIC RESEARCH FEDERAL RESERVE BANK OF ST. LOUIS' logo on the left and navigation links for 'Economic Research Resources', 'Switch Products', and 'My Account' on the right. Below the header, there are links for 'Release Calendar', 'FRED Tools', 'FRED News', 'FRED Blog', and 'About FRED'. The main content area features a large 'FRED' logo with a '30 YEARS' anniversary badge and the tagline 'ECONOMIC DATA | SINCE 1991'. To the left of the logo, it says 'Welcome to FRED, your trusted source for economic data since 1991.' To the right, it says 'Download, graph, and track 815,000 US and international time series from 107 sources.' Below the logo is a search bar with the placeholder text 'Search FRED data...'. Under the search bar, there are two sections: 'Trending Search Terms' with buttons for 'cpi', 'gdp', 'unemployment', 'inflation', 'm2', 'rate', 'real gdp', 'interest rate', 'unemployment rate', and 'china'; and 'Browse Data By:' with links for 'Category', 'Release', 'Source', 'Tag', and 'Release Calendar'. At the bottom, there are two columns of text. The left column is titled 'FRED News' and contains two items: 'FRED Adds Chicago Fed Advance Retail Trade Summary (CARTS) Indexes' and 'FRED Adds SONIA Interest Rate Benchmarks'. The right column is titled 'FRED Team is Hiring!' and contains the text 'Will you join our excellent team? Apply for one of our new roles:' followed by a list of roles: 'Data Engineer', 'PHP Web Developer', and 'Senior Automation Engineer'.

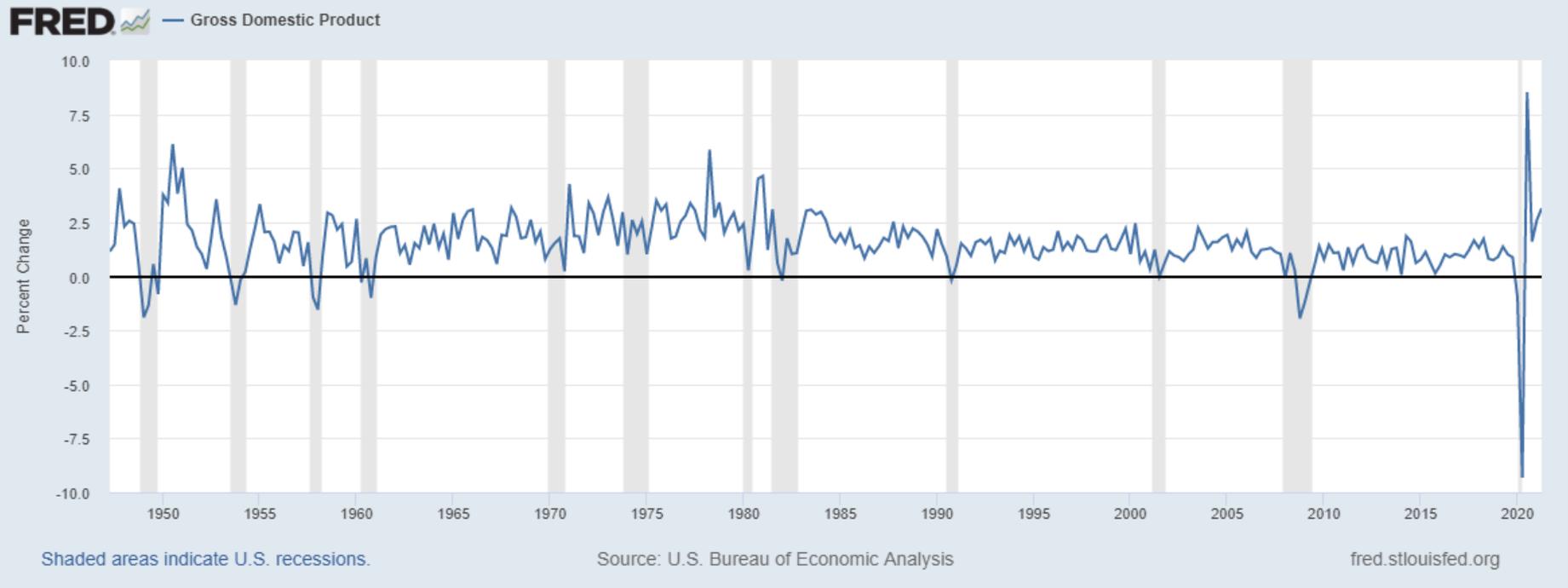
U.S. GDP – Billions of Dollars



U.S. GDP – Percent Change



U.S. GDP – Percent Change



U.S. GDP – Notes

Share Links 

Account Tools 



NOTES

Source: [U.S. Bureau of Economic Analysis](#)  **Release:** [Gross Domestic Product](#) 

Units: Billions of Dollars, Seasonally Adjusted Annual Rate

Frequency: Quarterly

BEA Account Code: A191RC

Gross domestic product (GDP), the featured measure of U.S. output, is the market value of the goods and services produced by labor and property located in the United States. For more information, see the Guide to the National Income and Product Accounts of the United States (NIPA) and the [Bureau of Economic Analysis](#).

Suggested Citation:

U.S. Bureau of Economic Analysis, Gross Domestic Product [GDP], retrieved from FRED, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/series/GDP>, September 19, 2021.



Other Helpful Data Sources

- Ohio Labor Market Information (LMI)
- Ohio Office of Budget and Management Monthly Report
 - Economic summary and Revenue

Questions?





Contact

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