Macro and Markets Dashboard: United States

Updated: June 21, 2019

Key Indicators

		change over prev.		as of:
III ■ Real GDP	18.9T	▲ 3.1%		2019 Q1
📶 🌐 Unemp. rate	3.6%	0.0		May 2019
Ⅲ Ⅲ CPI Inflation	1.8%	▼ -0.2		May 2019
		one week change	one month change	as of:
Ⅲ Ⅲ S&P 500	2,950.46	▲ 2.2%	▲ 3.3%	2019-06-21
ııı ⊞ DJIA	26,719.13	▲ 2.4%	▲ 3.7%	2019-06-21
III ■ NASDAQ	8,031.71	▲ 3.0%	▲ 3.6%	2019-06-21
<u>ılıl</u> ⊞ VIX	15.40	▲ 0.8%	▲ 4.4%	2019-06-21
11 == 2-yr t-bond	1.77%	▼ -0.07	▼ -0.46	2019-06-21
Ⅲ Ⅲ 10-yr t-bond	2.07%	▼ -0.02	▼ -0.32	2019-06-21
Ⅲ Ⅲ Crude oil	\$56.65	▲ 8.4%	▼ -10.1%	2019-06-20
Ⅲ Ⅲ USD index	92.25	▲ 0.8%	▼ -0.2%	2019-06-14

chart: 📶 data: ⊞

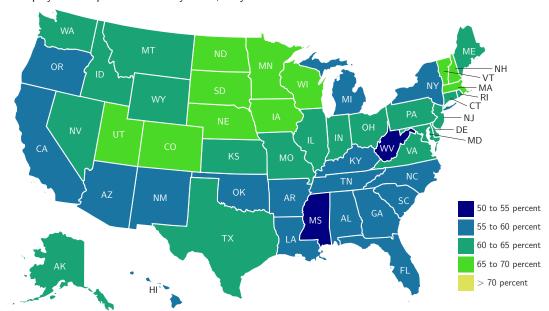
About the Dashboard

The Macro and Markets Dashboard for the United States contains more than 100 indicators of the performance of the U.S. economy. The dashboard includes twelve categories of charts, and a table of exchange rates.

Dashboard plots follow a uniform design. The line plots show trends over the past decade, while the horizontal bar plots decompose recent developments. The latest value and its reference period are listed in the bottom left corner of the plot area for line plots. Below each plot is a brief listing of the source with a link (in blue) to the source data.

Chart of interest

■ Employment-Population Ratio by State, May 2019



Source: U.S. Bureau of Labor Statistics: Employment Percent of Civilian NonInstitutional Population, Seasonally Adjusted, Monthly



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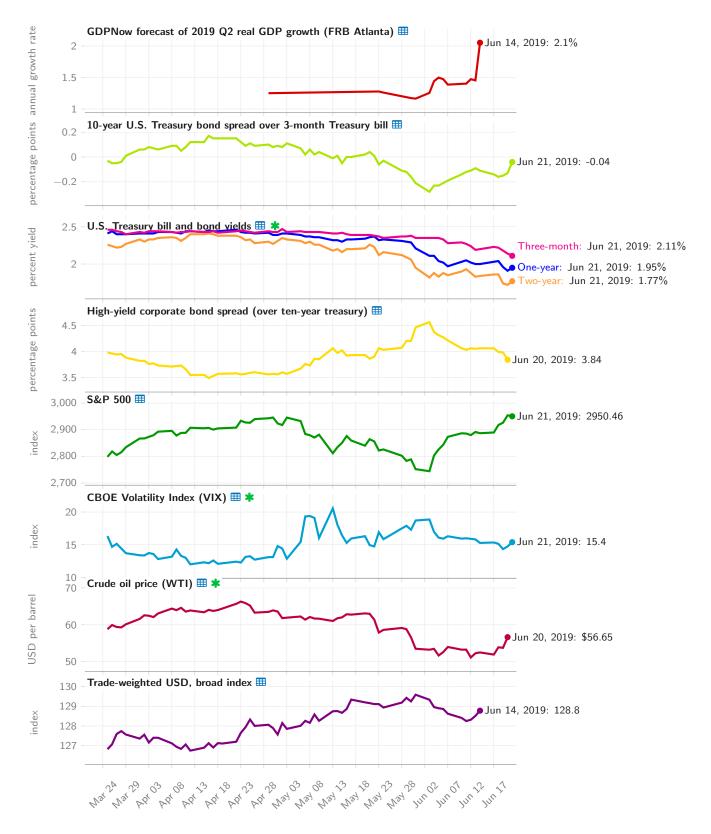
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State-level economic indicators
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Equity Markets
Money and Interest Rates
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Brian Dew

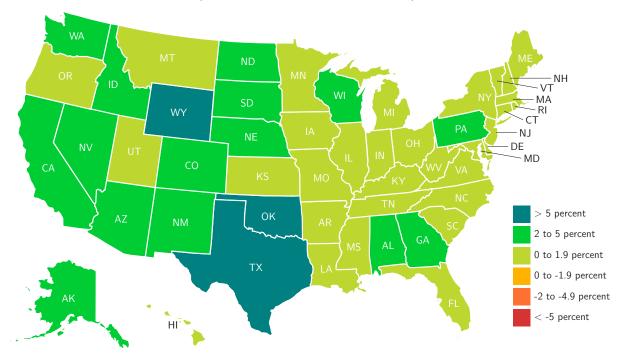
- ★ bd-econ.com
- □ brianwdew@gmail.com
- **⋓** @bd_econ

High-frequency indicators

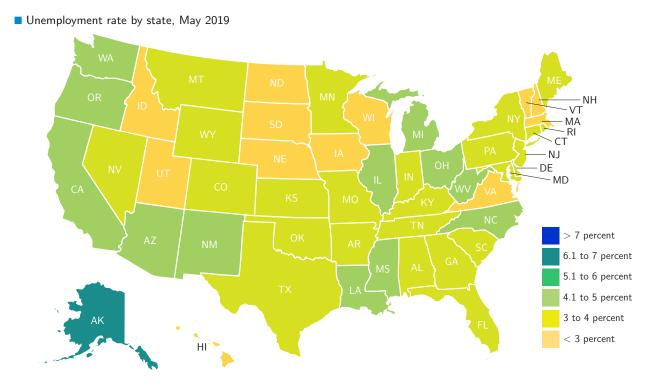


State-level economic indicators

■ Real GDP growth by state in 2018 Q4 (change over previous quarter, annualized)



Source: U.S. Bureau of Economic Analysis (BEA), Regional Economic Accounts: GDP by State



Source: U.S. Bureau of Labor Statistics (BLS), Local Area Unemployment Statistics (LAUS)

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Macroeconomic Indicators: Overview

Components of real gross domestic product (GDP)

(chained 2009 USD, trillion)

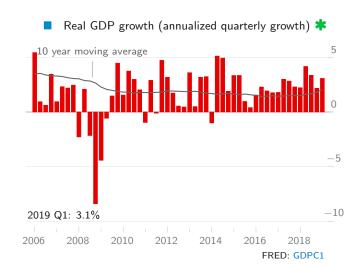
Real GDP

Consumption

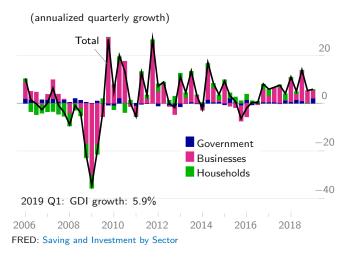
10

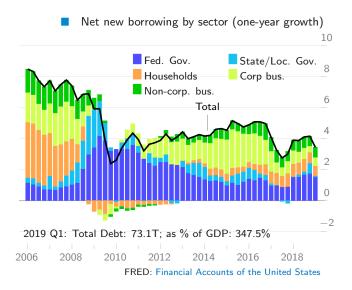
Real GDP: 2019 Q1: 18.9T Net Exports
2006 2008 2010 2012 2014 2016 2018

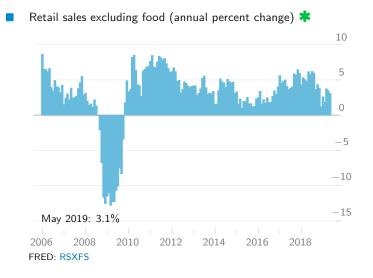
FRED: GDPC1; GCEC1; GPDIC1; NETEXC; PCECC96

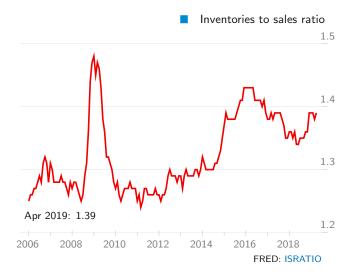


■ Gross domestic investment (GDI)



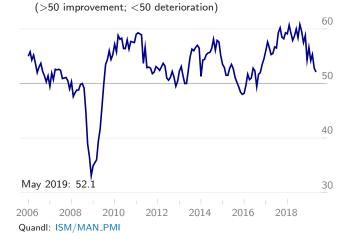


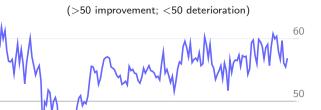




Macroeconomic Indicators: Businesses

■ ISM manufacturing purchasing managers' index

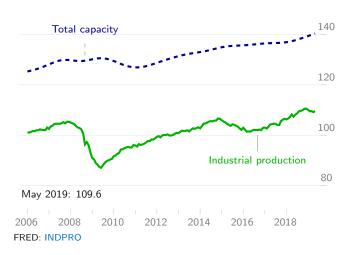




ISM non-manufacturing business activity index



Industrial production (IP) index (2012=100) *

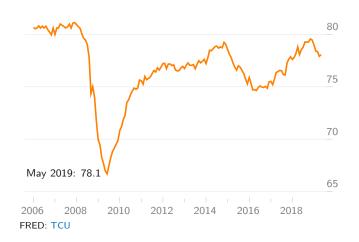




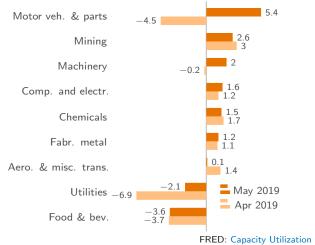


FRED: Industrial Production

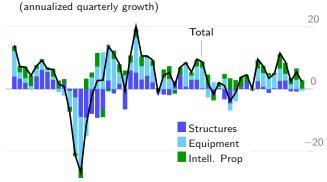
Total capacity utilization (percent of capacity)



■ Capacity utilization change, major industry groups

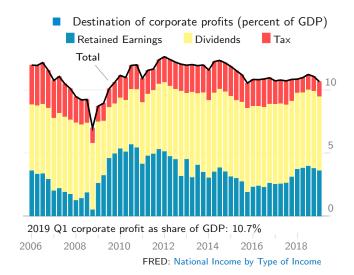


Real nonresidential fixed investment



2019 Q1: Nonresidential fixed investment growth: 2.3%
2006 2008 2010 2012 2014 2016 2018

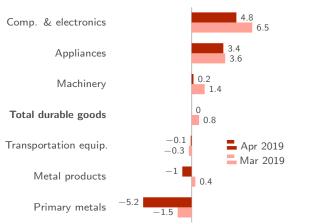
FRED: Real Private Investment by Type



Durable goods new orders (annual percent change) *

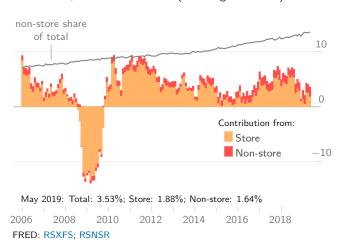


Durable goods new orders by category

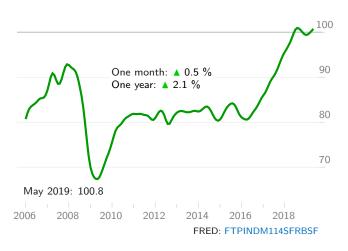


FRED: Manufacturer's Shipments, Inventories, and Orders (M3) Survey

Retail sales, store vs. non-store (annual growth rate)

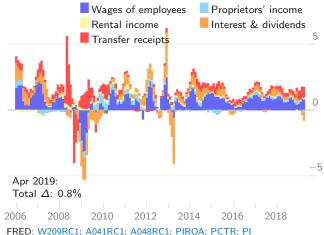


FRBSF tech pulse index (2000=100)



Macroeconomic Indicators: Households

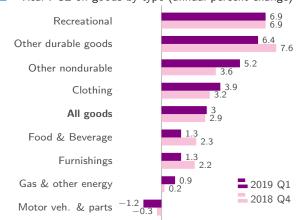
Personal income (annual percent change by type)



Personal consumption expenditure (PCE)



Real PCE on goods by type (annual percent change)



FRED: Real PCE by Major Type of Product

🔳 Real PCE by category (annualized quarterly growth) 🧩

2014

2016

FRED: A067RL1Q156SBEA

2012

-20

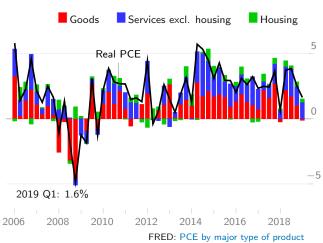
2018

2019 Q1: 2.2%

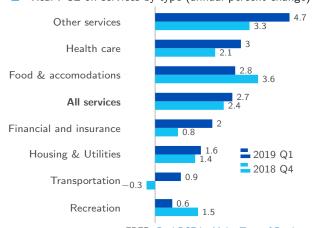
2006

2008

2010

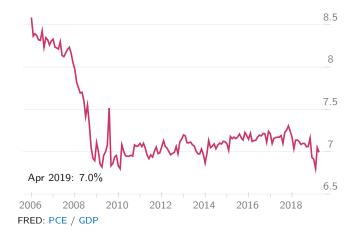


Real PCE on services by type (annual percent change)

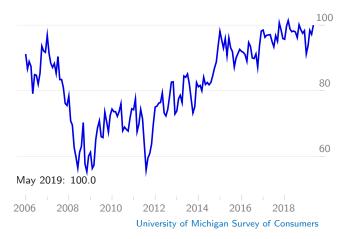


FRED: Real PCE by Major Type of Product

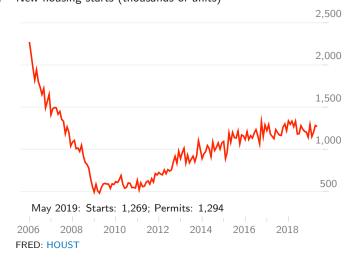
■ PCE on durable goods (percent of GDP) *



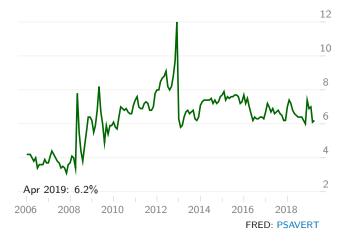
University of Michigan consumer sentiment index



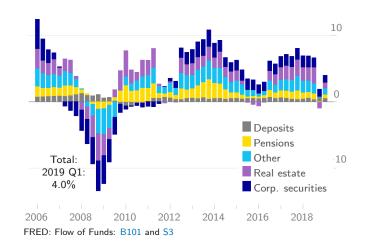
New housing starts (thousands of units)



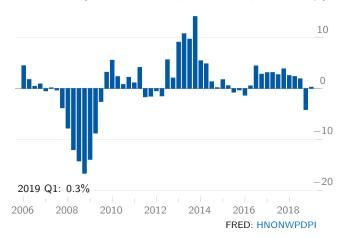
Personal saving rate (percent of disposable income)



Household and nonprofits assets (annual growth rate)



 Net wealth as percent of gross disposable income (households and nonprofits, annual percent change)



Labor Markets

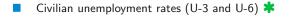
■ Employed share of age 25-54 population *****





Nonfarm business productivity growth

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2012

2014

2016

2018

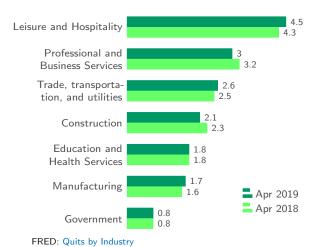
FRED: PRS85006092

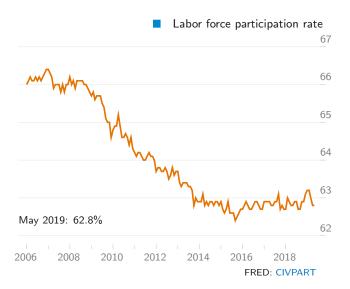
May 2019: U3: 3.6%; U6: 7.1%

2006 2008 2010 2012 2014 2016 2018

FRED: UNRATE, U6RATE

Quits rate by industry





Updated: June 21, 2019 *: Key indicator 9

2006

2008

2010

Share of unemployed by duration 50 (percentage of total) 27 weeks (long-term) 40 10 15-27 weeks 2008 2010

2012

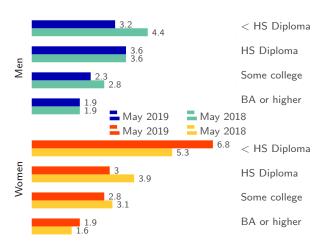
2014

2018

Unemployment rate by gender and education level

FRED: Unemployed persons by duration

2006

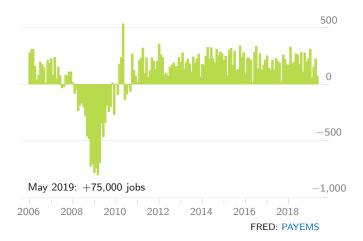


FRED: Unemployment rates, 25-64 years

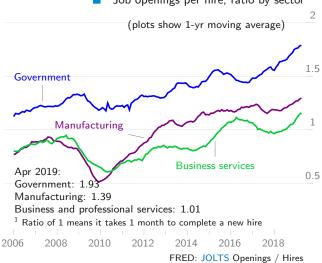
Payroll growth by sector (annual percent change)



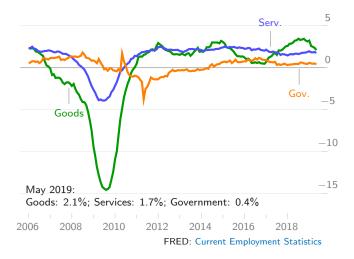
Nonfarm payrolls (monthly job growth, thousands) *



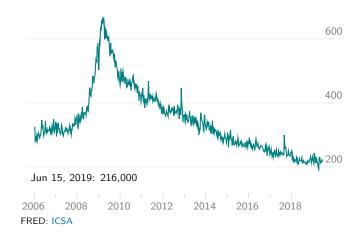
Job openings per hire, ratio by sector¹



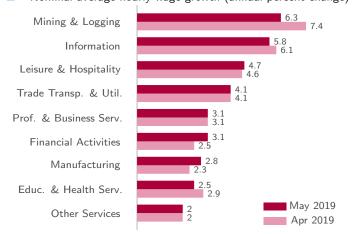
Payrolls (annual percent change by major category)



New jobless claims (weekly, thousands)



Nominal average hourly wage growth (annual percent change)

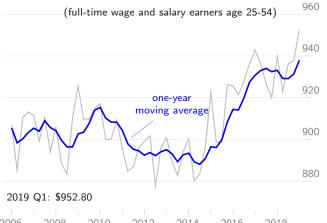


FRED: Average Hourly Earnings, Production and Nonsupervisory Employees

Real hourly wages and output (index, 2009=100) *

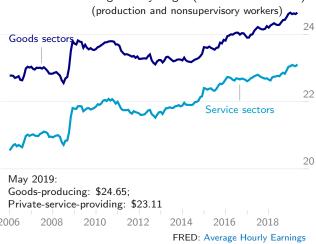


Real median weekly earnings (current dollars)



2006 2008 2010 2012 2014 2016 2018 FRED: LEU0252887900Q; adjusted for inflation by CPI-U.

Real average hourly wages (in 2017 U.S. Dollars)

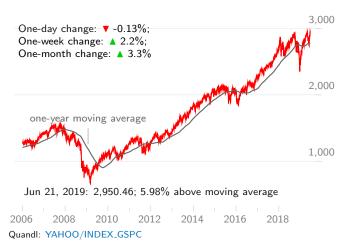


■ Labor share of output (index, 2005=100)



Equity Markets

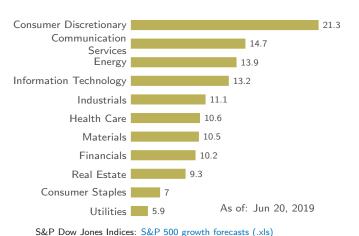
■ S&P 500



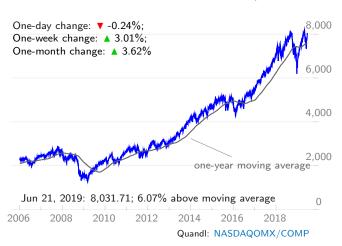
Dow Jones Industrial Average (thousands)



S&P 500 five-year annual growth forecast



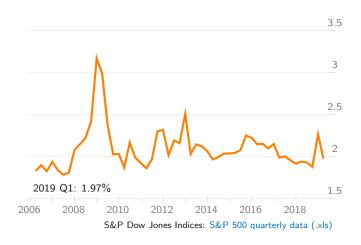
NASDAQ Composite Index



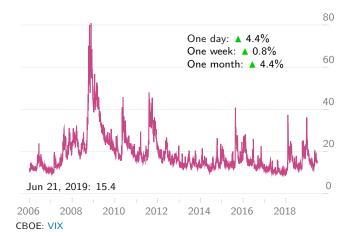
...combined and indexed (2006=100)



■ S&P 500 dividend yield (percent)



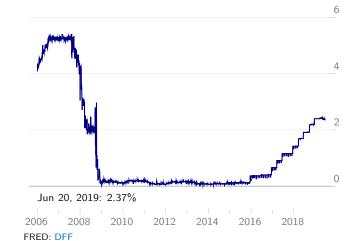
CBOE volatility index (VIX) *

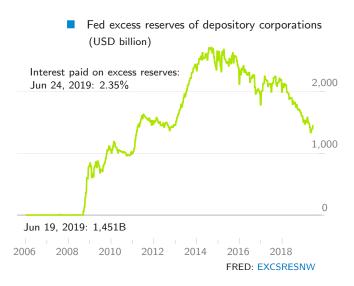




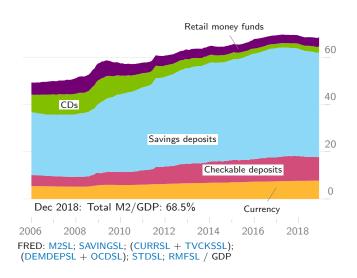
Money and Interest Rates

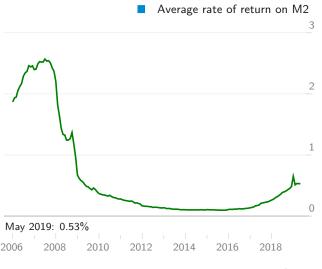
Effective fed funds rate *





Components of the M2 money supply (percent of GDP)





FRED: M2OWN

Treasury bond real yield by maturity



Jun 21, 2019: 2-year 0 2yr: 1.77%; 10yr: 2.07%

2012

2006

2008

2010

2- and 10-year treasury constant maturity rates

Quandl: USTREASURY/YIELD

2016

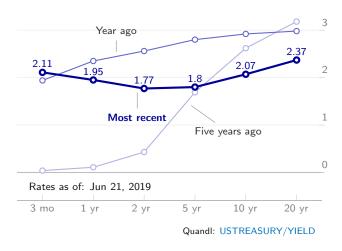
2018

Treasury yield spreads



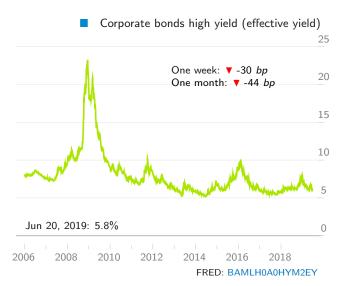
■ Treasury bill and bond yield curve *

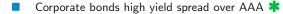
2014



Corporate bonds AAA (effective yield)









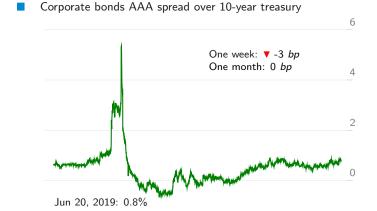
Corporate bonds total return index

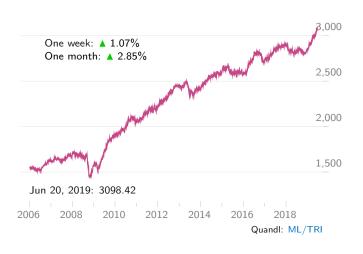
FRED: BAMLH0A0HYM2EY - DGS10

... high yield spread over 10-year treasury

One week: ▼ -21 bp

One month: ▼ -2 bp



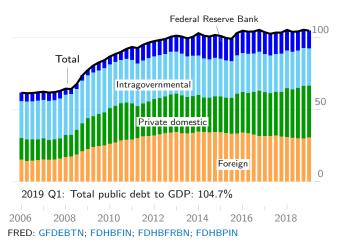


Jun 20, 2019: 3.8%

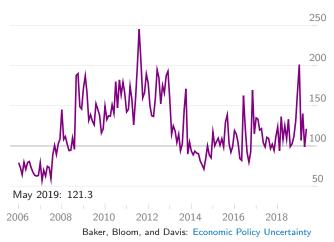
Government and Policy

■ Total public debt by holder (percent of GDP)

FRED: BAMLC0A1CAAAEY - DGS10

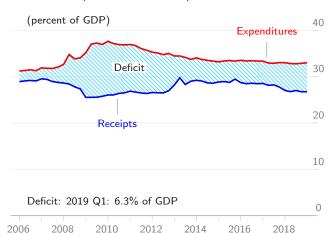


Economic policy uncertainty index



Updated: June 21, 2019 *: Key indicator

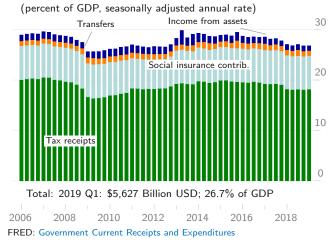
Government expenditures and receipts *

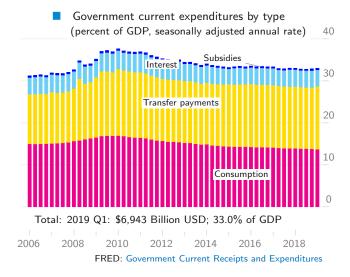


Expend.: 2019 Q1: 5.0% Receipts: 2019 Q1: 3.9% 2006 2008 2010 2012 2014



FRED: GEXPND; GRECPT





Government expenditures and receipts

2016

FRED: GEXPND; GRECPT

2018

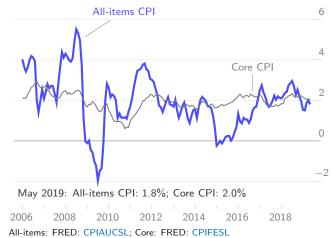
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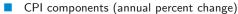
-10

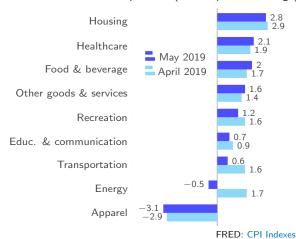
(annual percent change)

Prices

Consumer price index (CPI) (annual percent change) *



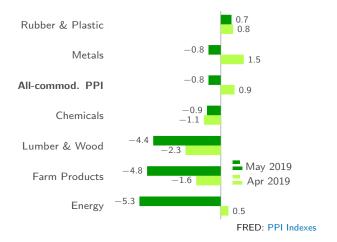




Producer price index, all commodities (PPIACO)

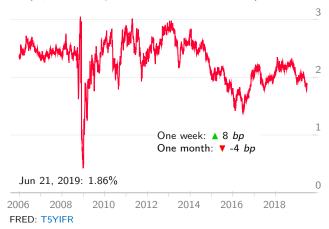


■ PPIACO selected components (annual percent change)

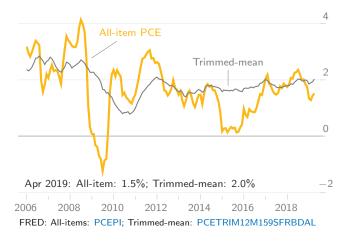


5-Year forward inflation expectation rate *

(expected average annual inflation rate, percent)



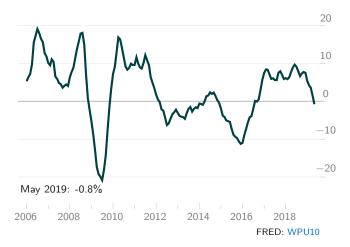
■ PCE chain-type price index (annual percent change)



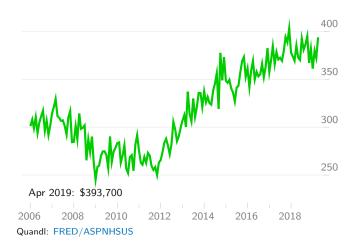
Oil price (USD per barrel, WTI)



■ PPI growth: metals (annual percent change)



Average sales price for new houses (thousands of USD)





Gold price (USD per ounce)

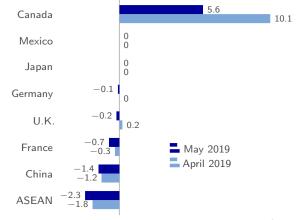




Export and import prices (annual percent change)



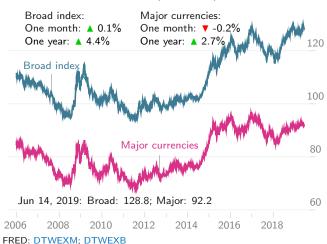
Import prices by locality of origin (annual percent change)

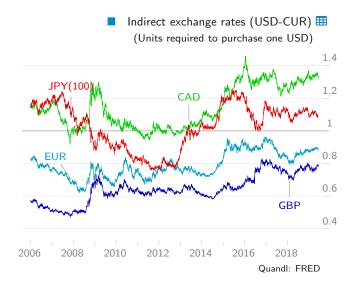


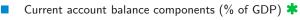
FRED: Import Price Indexes by Locality of Origin

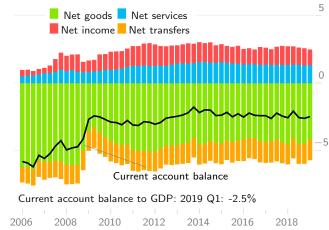
Trade and External Sector Indicators

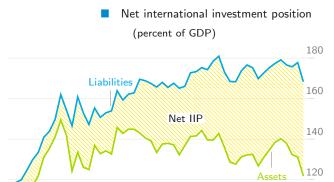
■ Trade weighted dollar indices (1973=100) *****







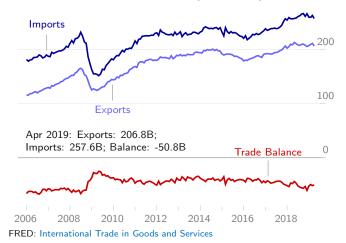




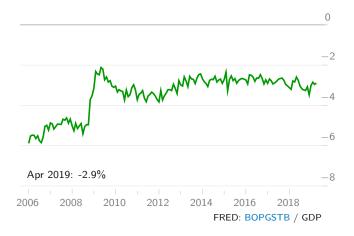


Imports, exports, and trade balance (USD billion)

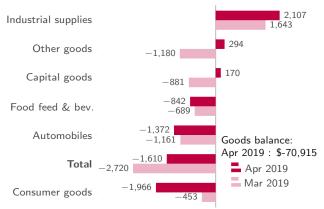
FRED: Foreign transactions in the NIPAs / GDP



■ Trade balance (goods and services, percent of GDP)

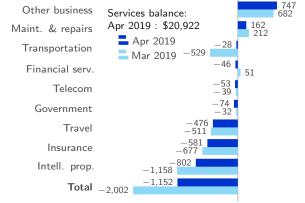


■ Net exports of goods (USD, millions, one-year change)



U.S. Census Bureau: U.S. International Trade in Goods

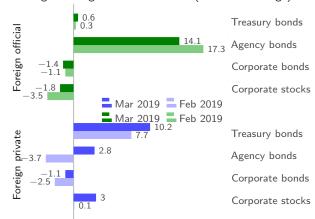
Net exports of services (USD, millions, one-year change)



FRED: U.S. International Trade in Goods and Services

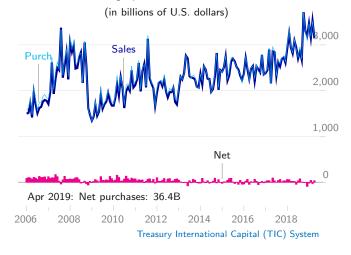
Capital Flows

Foreign holdings of U.S. securities (annual % change)

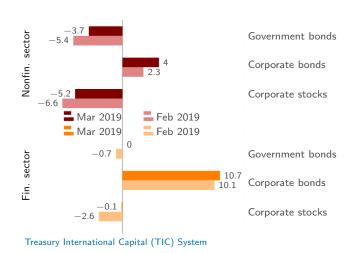


Treasury International Capital (TIC) System

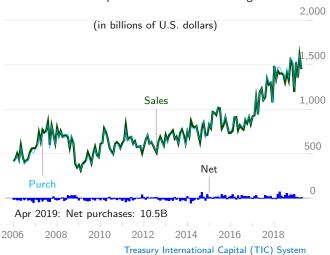
■ Foreign purchases and sales of U.S. securities



U.S. holdings of foreign securities (annual % change)



U.S. purchases and sales of foreign securities



Updated: June 21, 2019 * Key indicator 20