# Macro and Markets Dashboard: United States

Updated: June 13, 2019

# Key Indicators

|                      |           | change<br>over prev. |                     | as of:     |
|----------------------|-----------|----------------------|---------------------|------------|
| III Ⅲ Real GDP       | 18.9T     | <b>▲</b> 3.1%        |                     | 2019 Q1    |
| III Ⅲ Unemp. rate    | 3.6%      | 0.0                  |                     | May 2019   |
| IIII ■ CPI Inflation | 1.8%      | ▼ -0.2               |                     | May 2019   |
|                      |           | one week<br>change   | one month<br>change | as of:     |
| <b>Ⅲ Ⅲ</b> S&P 500   | 2,891.64  | <b>▲</b> 1.7%        | ▲ 2.0%              | 2019-06-13 |
| <u>III</u> Ⅲ DJIA    | 26,106.77 | <b>▲</b> 1.5%        | <b>▲</b> 2.3%       | 2019-06-13 |
| III Ⅲ NASDAQ         | 7,837.13  | <b>▲</b> 2.9%        | <b>▲</b> 1.3%       | 2019-06-13 |
| <b>Ⅲ</b> Ⅲ VIX       | 15.82     | <b>▼</b> -0.7%       | <b>▼</b> -12.4%     | 2019-06-13 |
| 11 2-yr t-bond       | 1.83%     | ▼ -0.05              | <b>▼</b> -0.37      | 2019-06-13 |
| 📶 🖽 10-yr t-bond     | 2.10%     | ▼ -0.02              | ▼ -0.32             | 2019-06-13 |
| Crude oil            | \$52.28   | ▼ -0.6%              | <b>▼</b> -15.4%     | 2019-06-13 |
| <b>Ⅲ Ⅲ</b> USD index | 91.49     | <b>▼</b> -1.4%       | <b>▼</b> -1.0%      | 2019-06-07 |

chart: 📶 data: ⊞

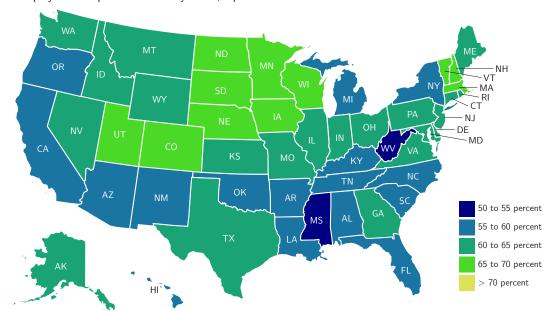
#### About the Dashboard

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, April 2019



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



#### Contents

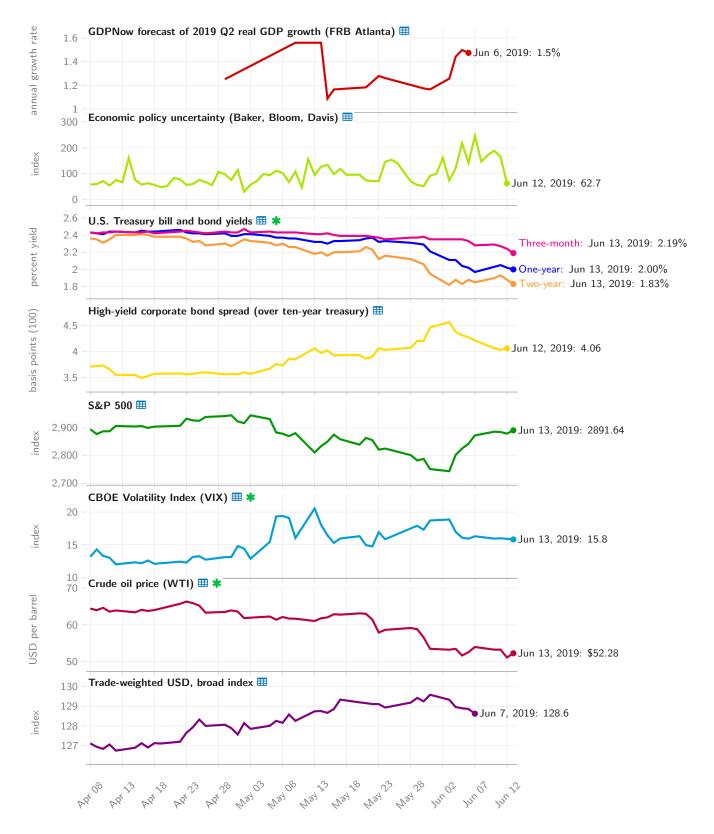
| High-frequency indicators               |
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#### Contact

#### Brian Dew

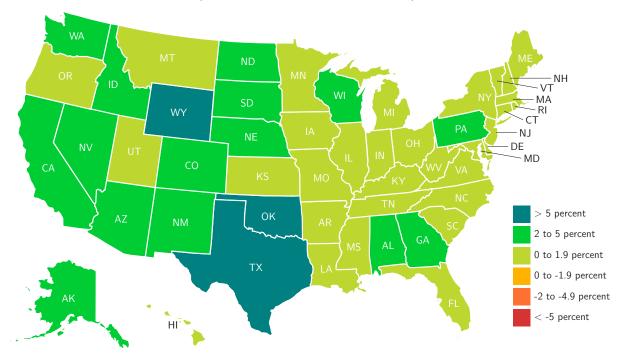
- ★ bd-econ.com
- □ brianwdew@gmail.com
- **y** @bd\_econ

## High-frequency indicators

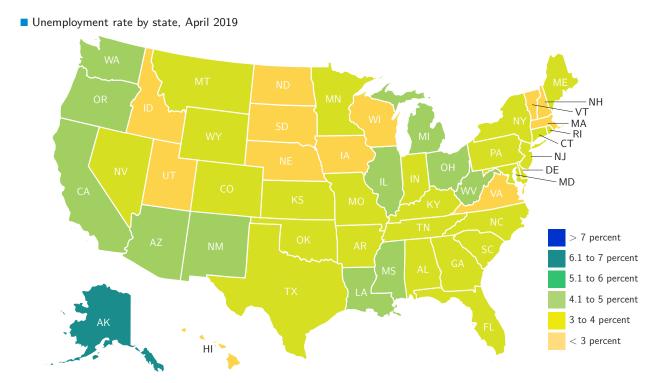


#### State-level economic indicators

■ 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

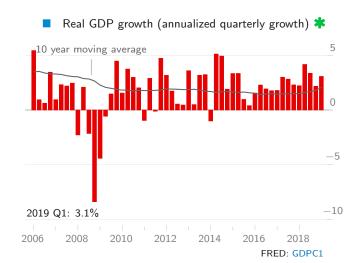
Consumption

Real GDP: 2019 Q1: 18.9T

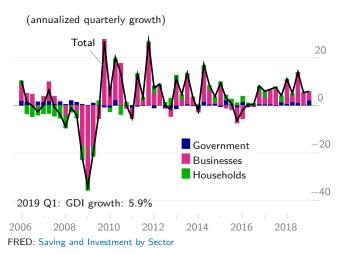
Net Exports

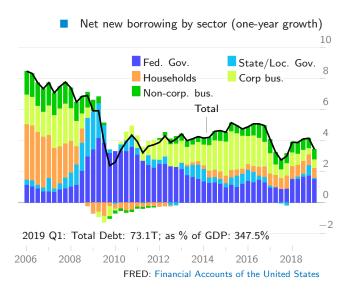
2006 2008 2010 2012 2014 2016 2018

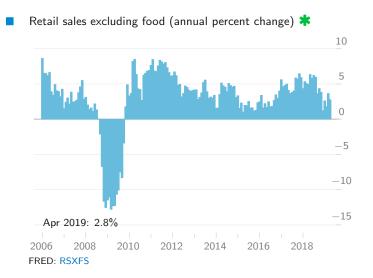
FRED: GDPC1; GCEC1; GPDIC1; NETEXC; PCECC96



■ Gross domestic investment (GDI)



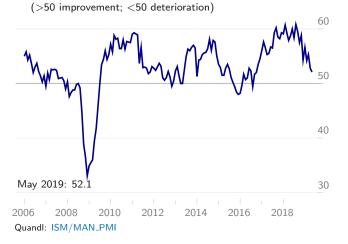






#### Macroeconomic Indicators: Businesses

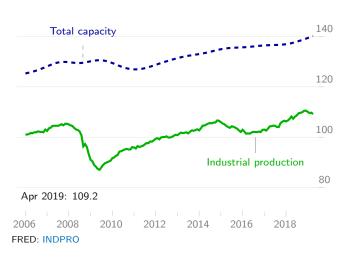
ISM manufacturing purchasing managers' index



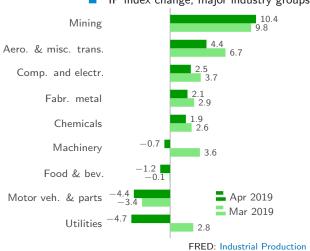
ISM non-manufacturing business activity index (>50 improvement; <50 deterioration)



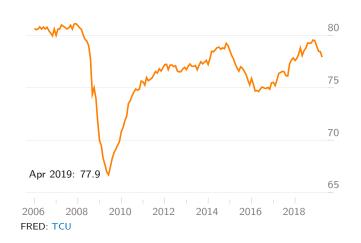
Industrial production (IP) index (2012=100) \*



■ IP index change, major industry groups



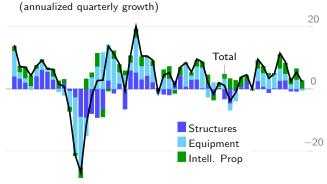
Total capacity utilization (percent of capacity)



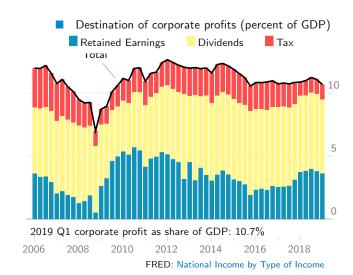
■ Capacity utilization change, major industry groups



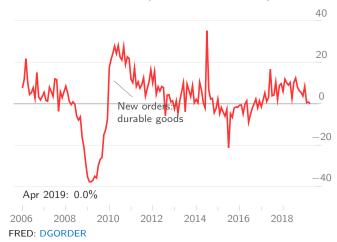
Real nonresidential fixed investment



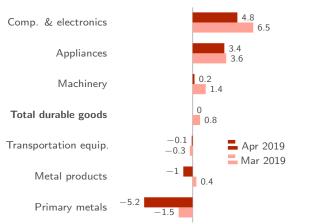
FRED: Real Private Investment by Type



Durable goods new orders (annual percent change) \*

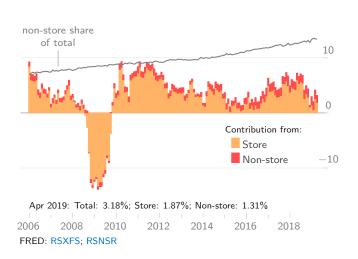


Durable goods new orders by category



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

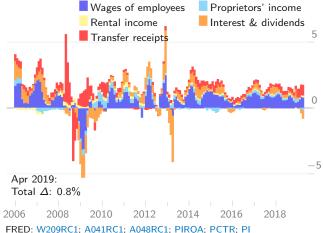
Retail sales, store vs. non-store (annual growth rate)



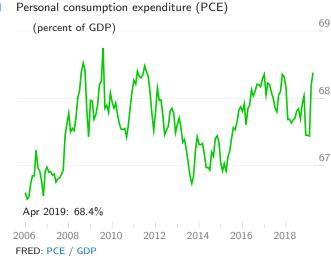
FRBSF tech pulse index (2000=100) 110 100 One month: A 0.4 % 90 One year: **\( \)** 2.7 % 80 70 Apr 2019: 102.6 2018 2006 2008 2010 2012 2014 2016 FRED: FTPINDM114SFRBSF

#### Macroeconomic Indicators: Households

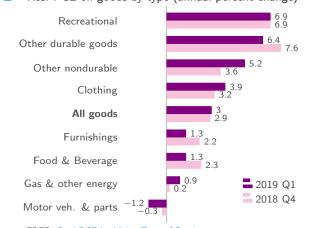
# Personal income (annual percent change by type)



#### D 1 .: (DCE)



#### Real PCE on goods by type (annual percent change)



FRED: Real PCE by Major Type of Product

# Real disposable personal income \* (annual percent change) 10 year moving average 0 -10

2014

2016

FRED: A067RL1Q156SBEA

2012

-20

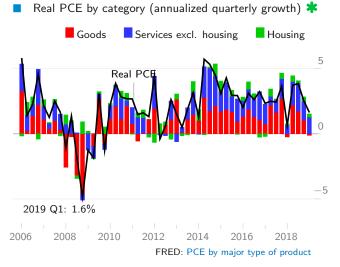
2018

2019 Q1: 2.2%

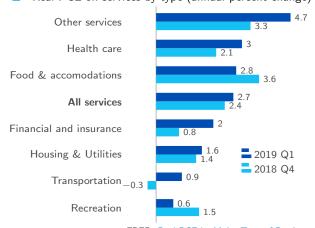
2006

2008

2010

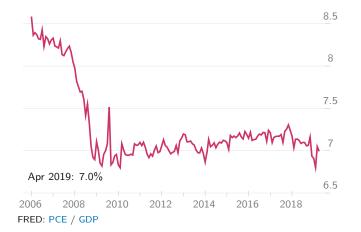


#### Real PCE on services by type (annual percent change)

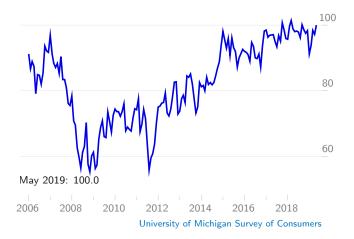


FRED: Real PCE by Major Type of Product

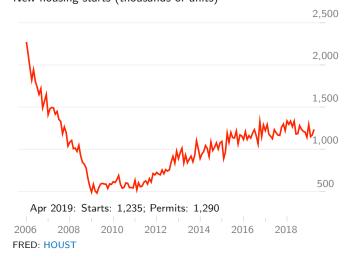
■ PCE on durable goods (percent of GDP) \*



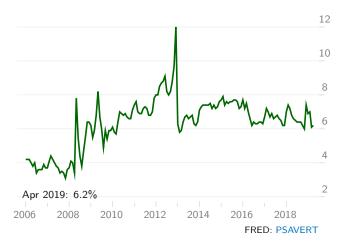
University of Michigan consumer sentiment index



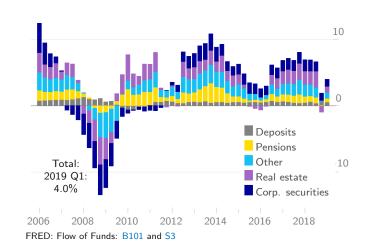
New housing starts (thousands of units)



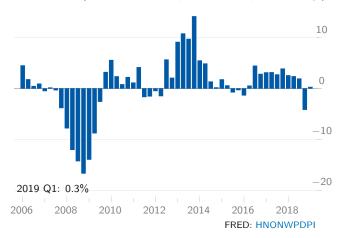
Personal saving rate (percent of disposable income)



Household and nonprofits assets (annual growth rate)

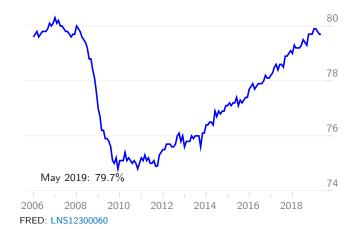


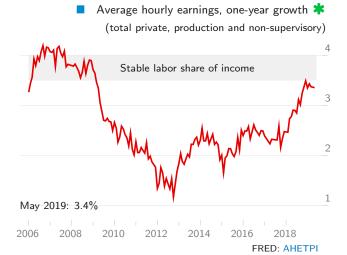
 Net wealth as percent of gross disposable income (households and nonprofits, annual percent change)



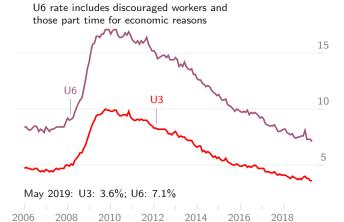
#### Labor Markets

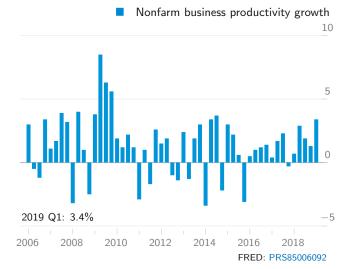
Employed share of age 25-54 population \*







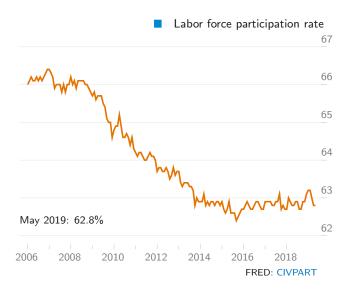




### Quits rate by industry

FRED: UNRATE, U6RATE





Share of unemployed by duration

(percentage of total)

50

27 weeks (long-term)

40

5-14 weeks

20

Unemployment rate by gender and education level

2012

2014

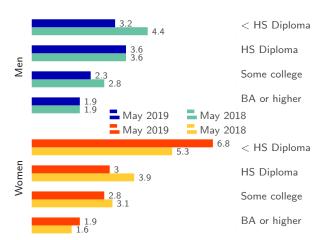
15-27 weeks

FRED: Unemployed persons by duration

2010

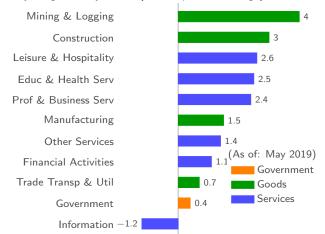
2008

2006



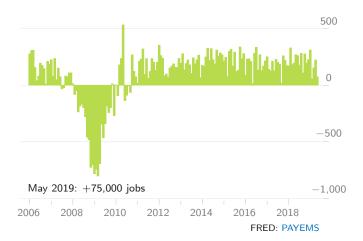
FRED: Unemployment rates, 25–64 years

#### Payroll growth by sector (annual percent change)

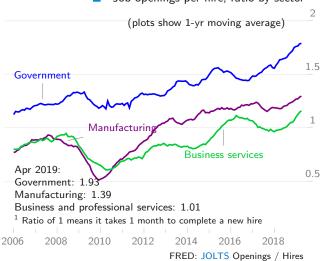


FRED: Current Employment Statistics

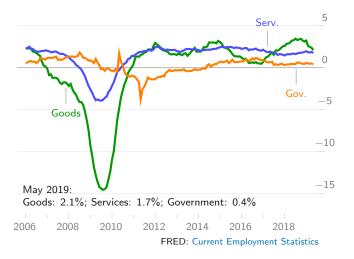
# ■ Nonfarm payrolls (monthly job growth, thousands) **\***



## ■ Job openings per hire, ratio by sector<sup>1</sup>



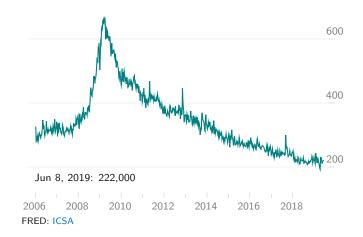
#### Payrolls (annual percent change by major category)



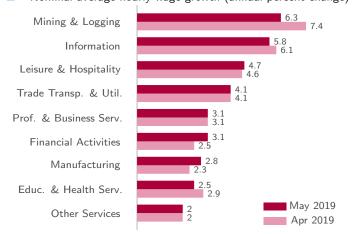
10

2018

#### New jobless claims (weekly, thousands)



## Nominal average hourly wage growth (annual percent change)

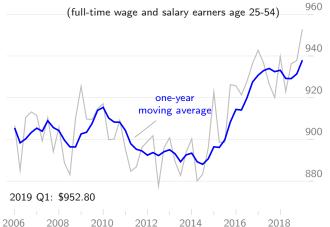


FRED: Average Hourly Earnings, Production and Nonsupervisory Employees

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



# Real median weekly earnings (current dollars)

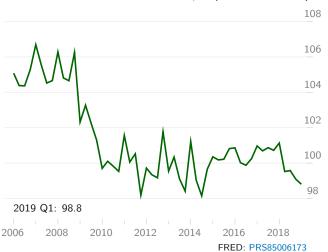


FRED: LEU0252887900Q; adjusted for inflation by CPI-U.

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



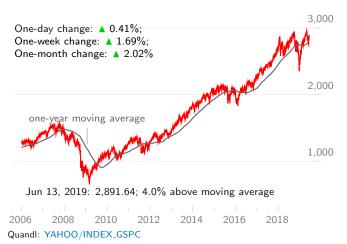
#### Labor share of output (index, 2005=100)



Updated: June 13, 2019 : Key indicator 11

#### **Equity Markets**

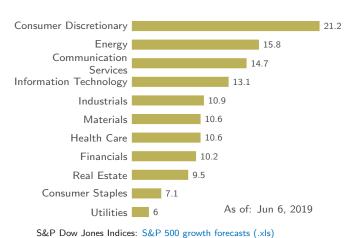
#### S&P 500



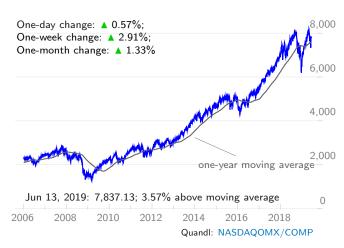
#### Dow Jones Industrial Average (thousands)



#### S&P 500 five-year annual growth forecast



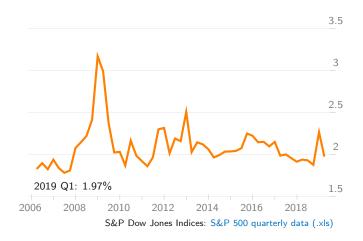
#### NASDAQ Composite Index



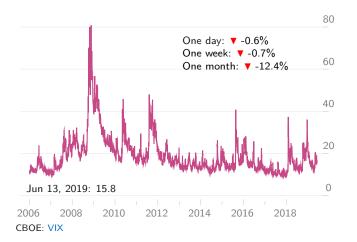
#### ...combined and indexed (2006=100)



#### ■ S&P 500 dividend yield (percent)



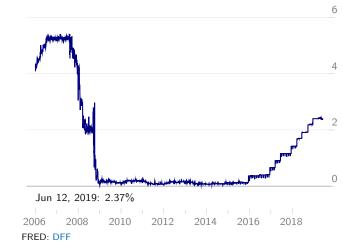
CBOE volatility index (VIX) \*

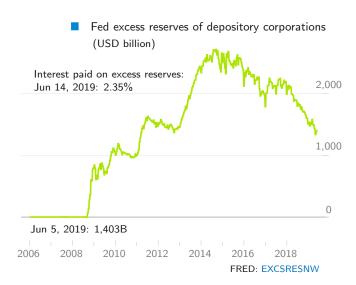




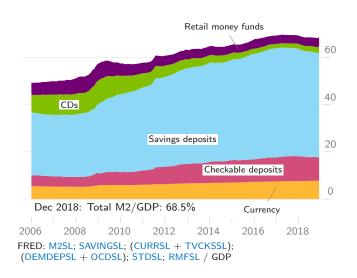
## Money and Interest Rates

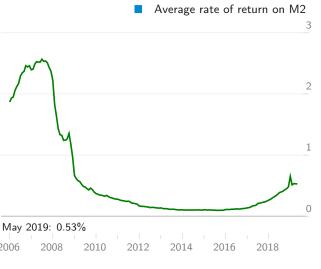
Effective fed funds rate \*





Components of the M2 money supply (percent of GDP)





#### Treasury bond real yield by maturity

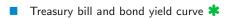


# Jun 13, 2019: 2-year 0 2yr: 1.83%; 10yr: 2.1% 2006 2008 2010 2012 2014 2016 2018

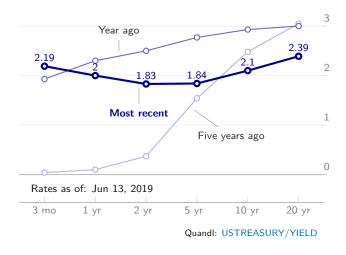
2- and 10-year treasury constant maturity rates

#### Treasury yield spreads





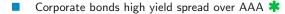
Quandl: USTREASURY/YIELD



#### Corporate bonds AAA (effective yield)









# Corporate bonds total return index

2016

FRED: BAMLH0A0HYM2EY - DGS10

2018

2014

... high yield spread over 10-year treasury

One week: ▼ -25 bp

One month: 0 bp

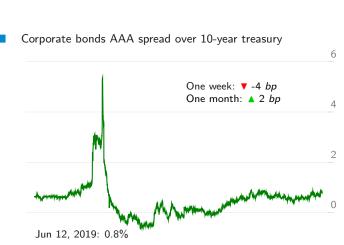
25

20

15

10

0



2012

2016

2018



Jun 12, 2019: 4.1%

2010

2012

2008

2006

# Government and Policy

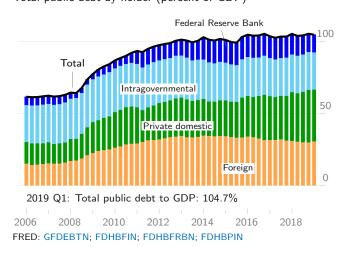
2008

2006

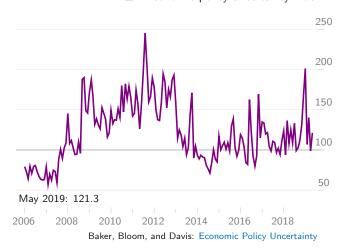
Total public debt by holder (percent of GDP)

2010

FRED: BAMLC0A1CAAAEY - DGS10

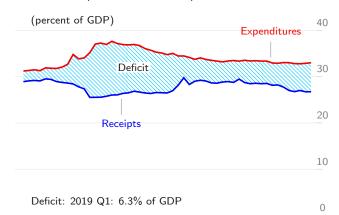


#### Economic policy uncertainty index



Updated: June 13, 2019 \*: Key indicator

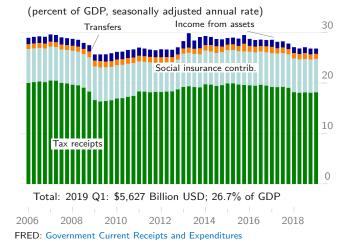
■ Government expenditures and receipts **\*** 

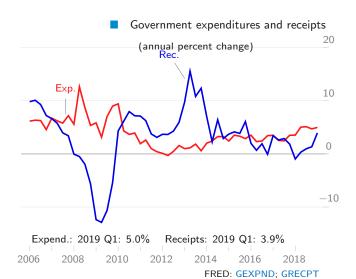


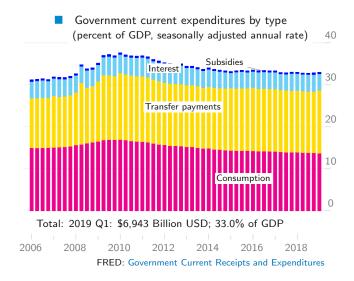
2006 2008 2010 2012 2014 2016 2018

FRED: GEXPND; GRECPT

Government current receipts by type

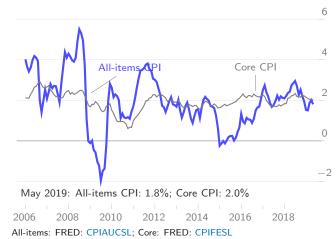


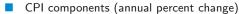


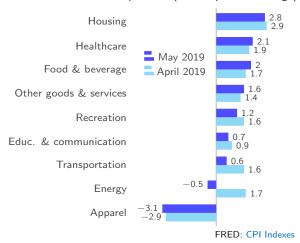


## Prices

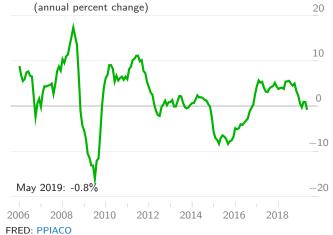
Consumer price index (CPI) (annual percent change) \*



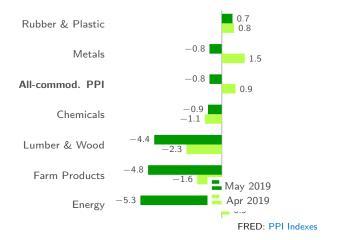




Producer price index, all commodities (PPIACO)



■ PPIACO selected components (annual percent change)

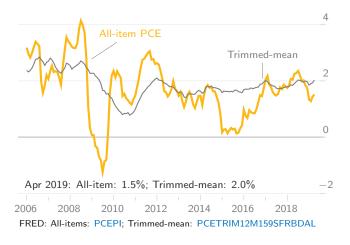


5-Year forward inflation expectation rate \*

(expected average annual inflation rate, percent)



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



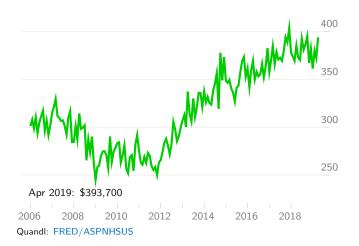
Oil price (USD per barrel, WTI)



■ PPI growth: metals (annual percent change)



#### Average sales price for new houses (thousands of USD)





#### Gold price (USD per ounce)

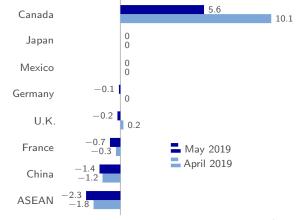




#### Export and import prices (annual percent change)



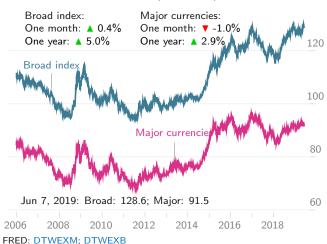
#### Import prices by locality of origin (annual percent change)

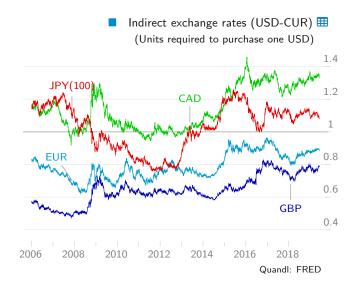


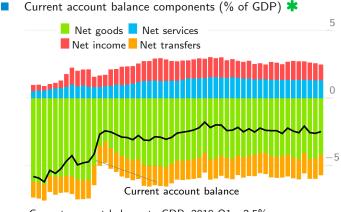
FRED: Import Price Indexes by Locality of Origin

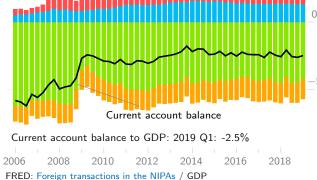
#### Trade and External Sector Indicators

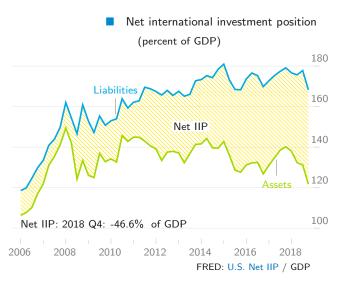
Trade weighted dollar indices (1973=100) \*



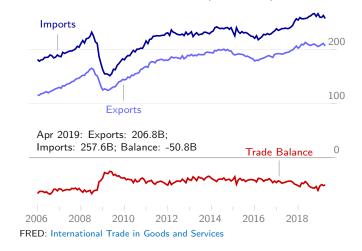


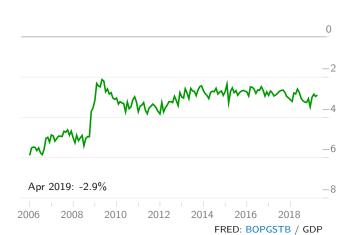






Imports, exports, and trade balance (USD billion)

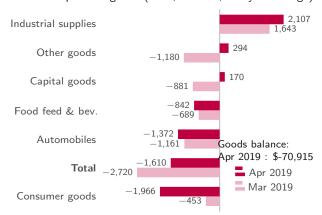




Trade balance (goods and services, percent of GDP)

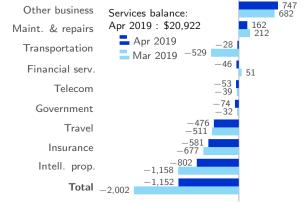
Updated: June 13, 2019 : Key indicator 19

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



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

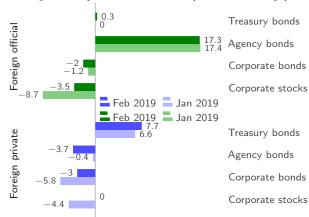
#### Net exports of services (USD, millions, one-year change)



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

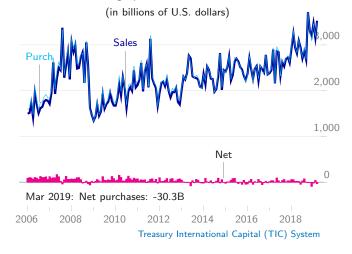
## Capital Flows

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

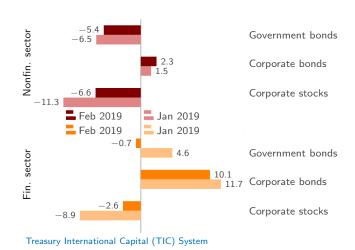


Treasury International Capital (TIC) System

# 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 13, 2019 \*: Key indicator 20