

# Macro and Markets Dashboard: United States

Updated: October 21, 2017



## Key Indicators

			change over prev.	as of:
Real GDP	17.0T		3.1%	2017 Q2
Unemp. rate	4.2%		-0.2	Sep 2017
CPI Inflation	2.2%		0.3	Sep 2017

		one week change	one month change	as of:
S&P 500	2,557.64		0.5%	2017-10-16
DJIA	22,956.96		0.9%	2017-10-16
NASDAQ	6,624.00		0.7%	2017-10-16
VIX	9.91		-4.1%	2017-10-16
2-yr t-bond	1.54%		0.00	2017-10-16
10-yr t-bond	2.30%		-0.07	2017-10-16
Crude oil	\$51.87		4.6%	2017-10-16
USD index	87.99		-0.8%	2017-10-13

chart: data:

## Contents

About the Dashboard	1
High-frequency indicators	2
State-level economic indicators	3
Macroeconomic Indicators: Overview	4
Macroeconomic Indicators: Businesses	5
Macroeconomic Indicators: Households	7
Depository Corporations	9
Labor Markets	10
Equity Markets	13
Money and Interest Rates	14
Government and Policy	16
Prices	17
Trade and External Sector Indicators	20
Capital Flows	21
Exchange Rate Table	22

## 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.

## Contact

Brian Dew

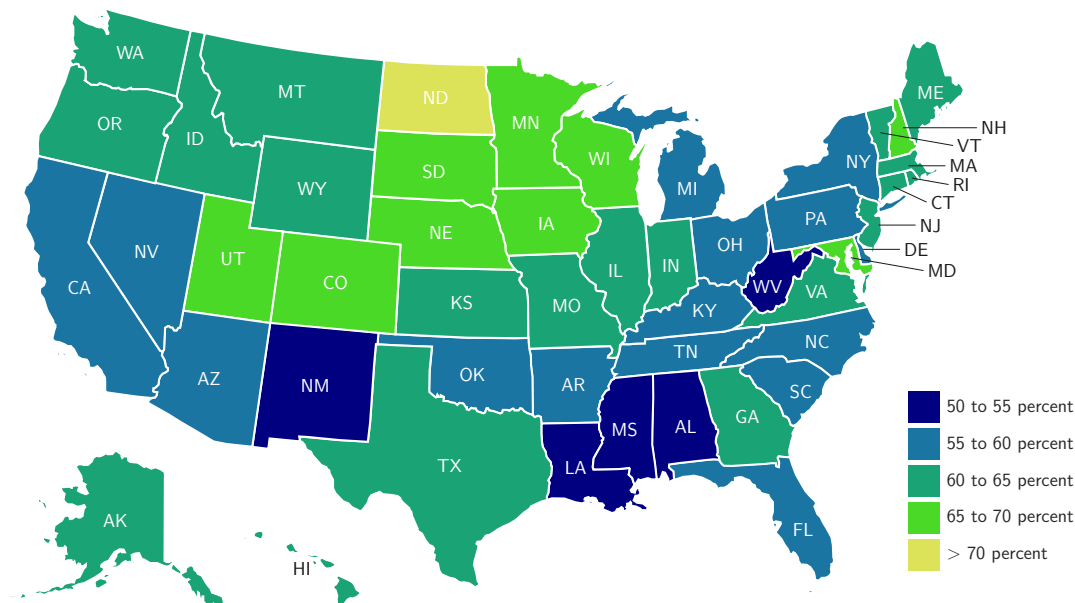
[bd-econ.com](http://bd-econ.com)

[brianwdew@gmail.com](mailto:brianwdew@gmail.com)

[@bd\\_econ](https://twitter.com/bd_econ)

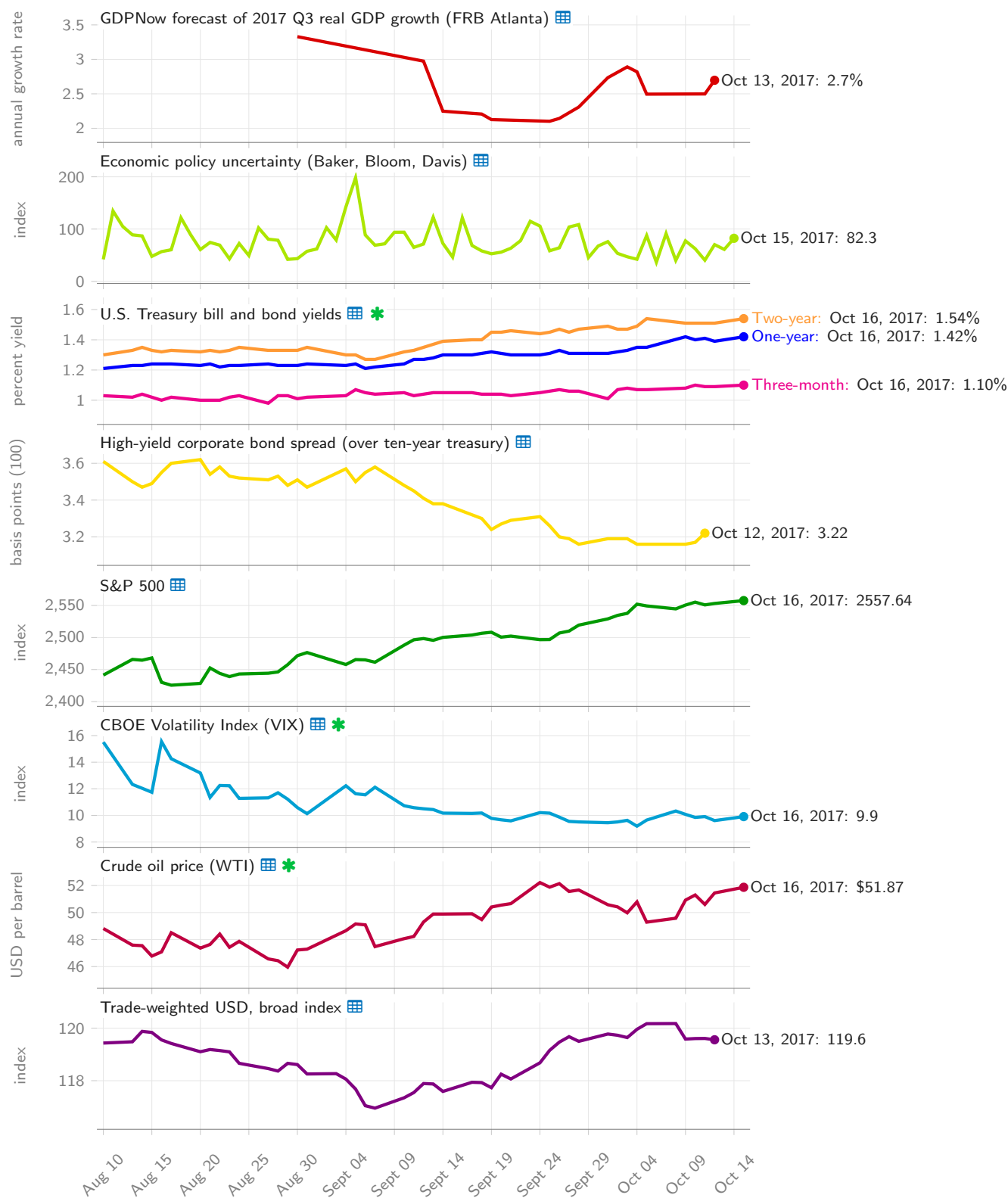
## Chart of the week

### ■ Employment-Population Ratio by State, September 2017



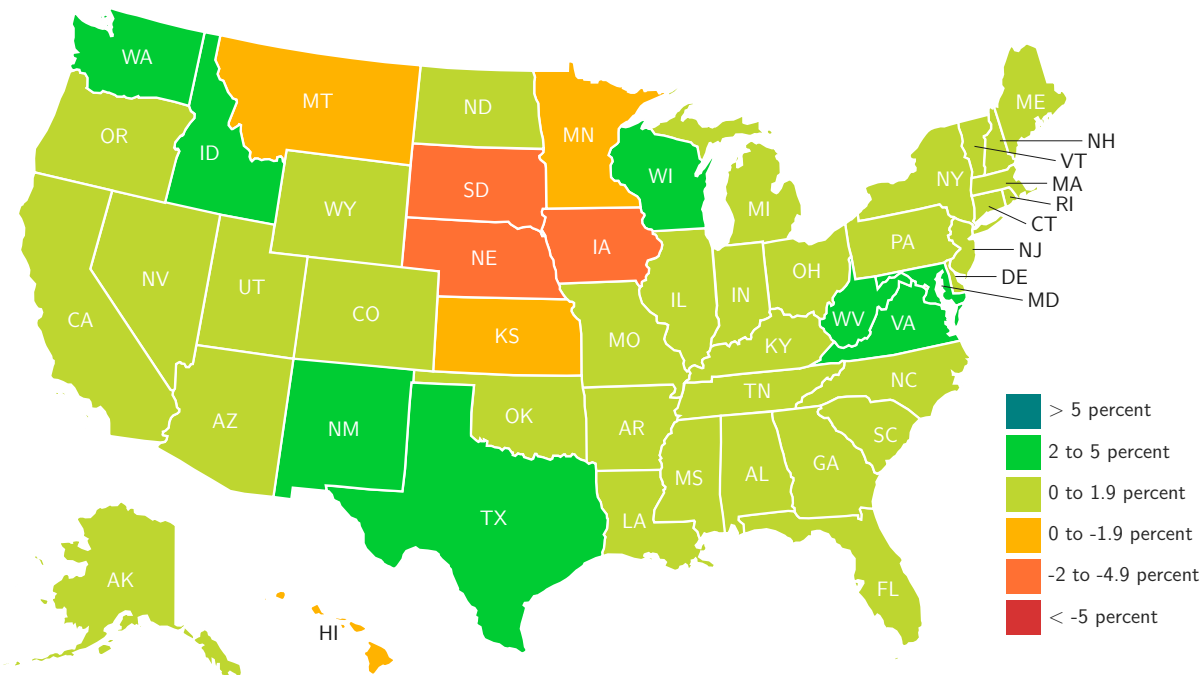
Source: U.S. Bureau of Labor Statistics: Employment Percent of Civilian NonInstitutional Population, Seasonally Adjusted, [Monthly](#)

## High-frequency indicators



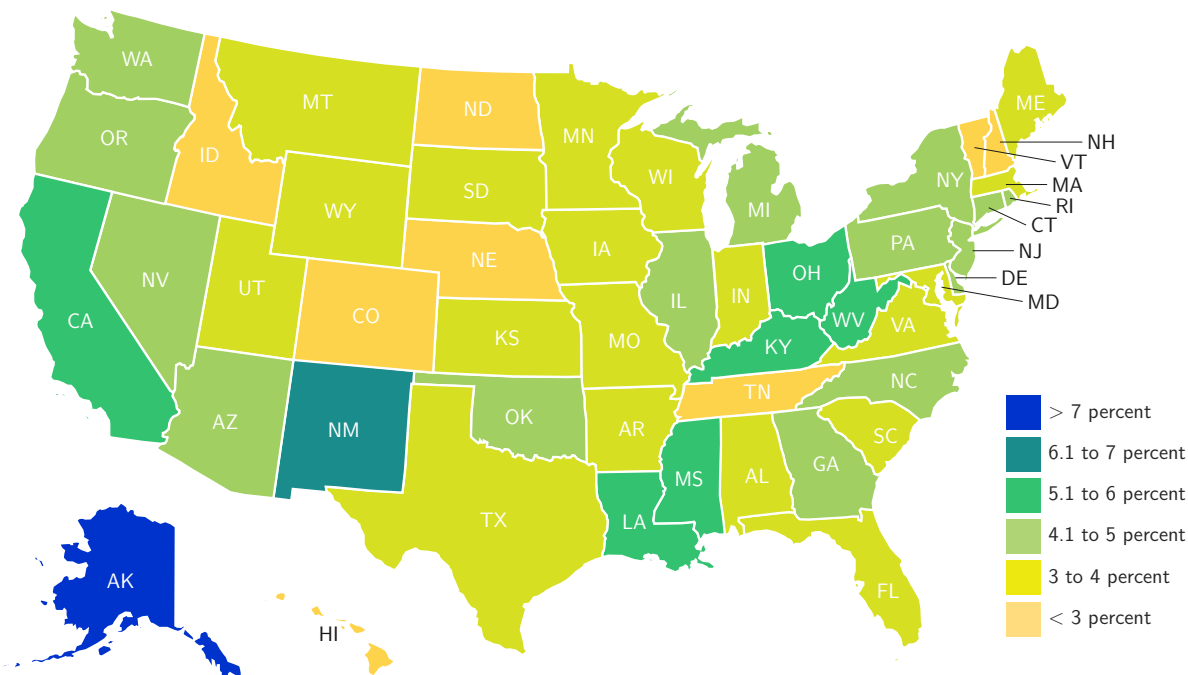
## State-level economic indicators

### Real GDP growth by state in 2017 Q1 (change over previous quarter, annualized)



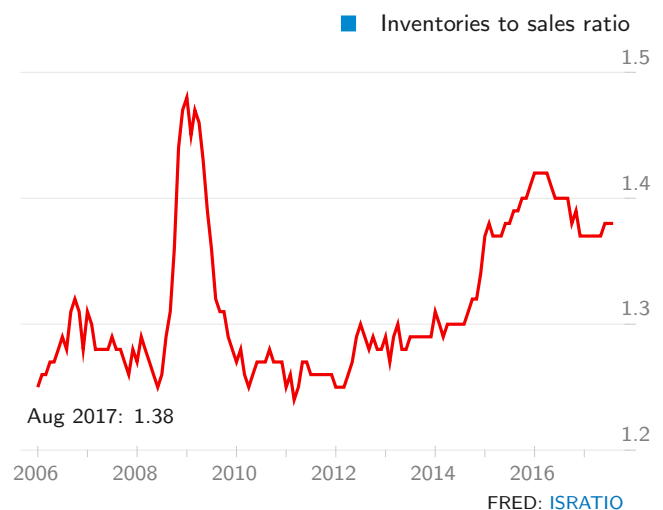
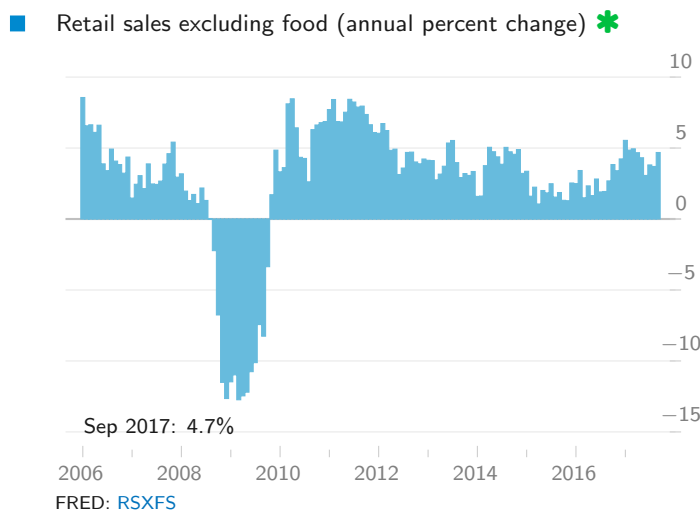
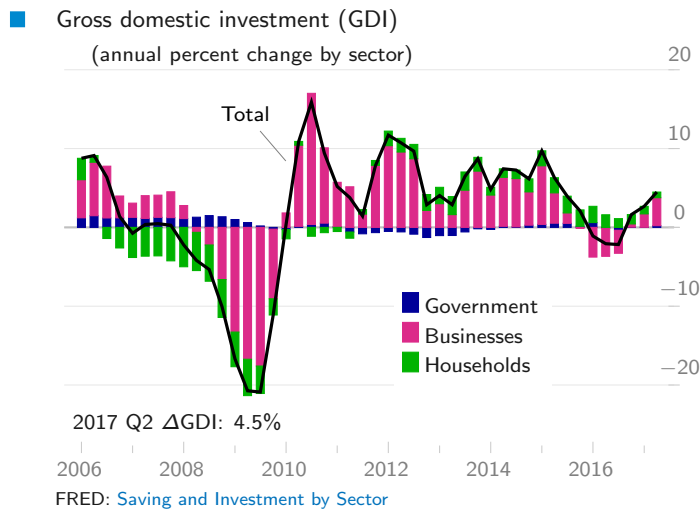
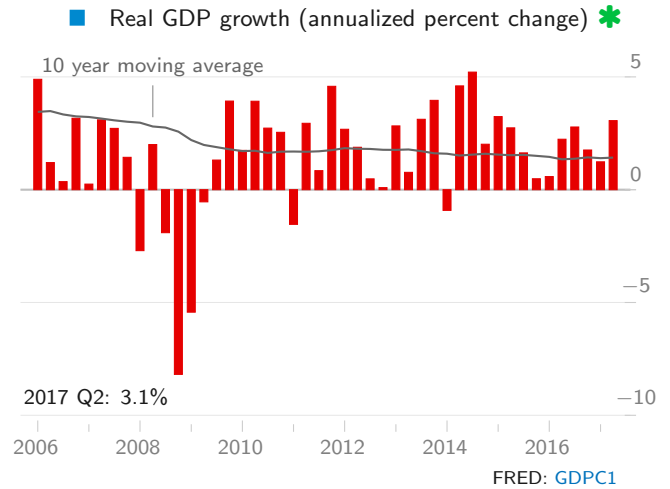
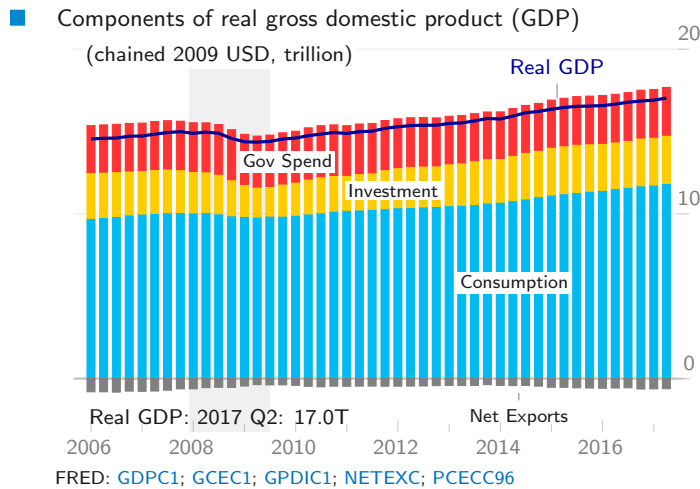
Source: U.S. Bureau of Economic Analysis (BEA), [Regional Economic Accounts: GDP by State](#)

### Unemployment rate by state (September 2017)



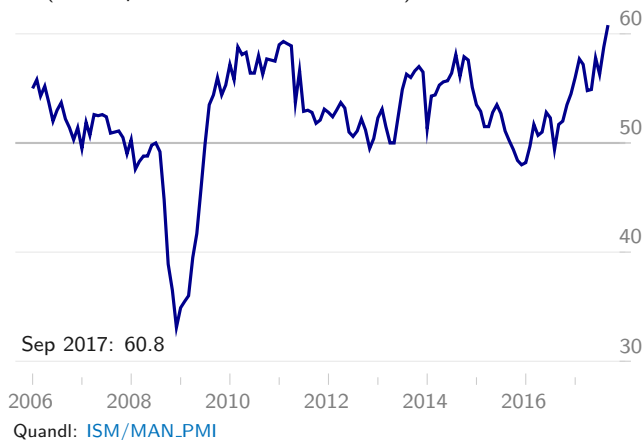
Source: U.S. Bureau of Labor Statistics (BLS), [Local Area Unemployment Statistics \(LAUS\)](#)

## Macroeconomic Indicators: Overview

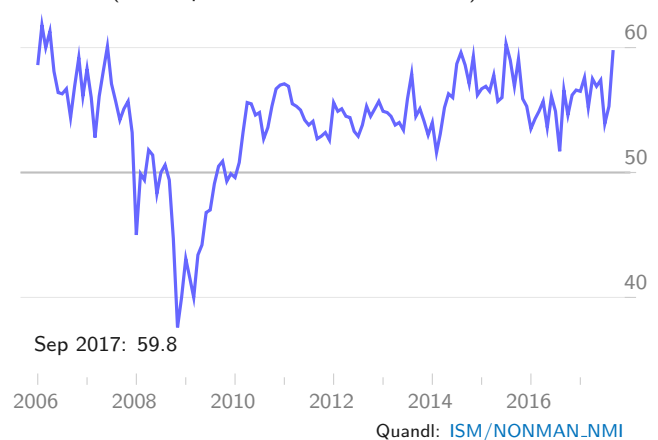


## Macroeconomic Indicators: Businesses

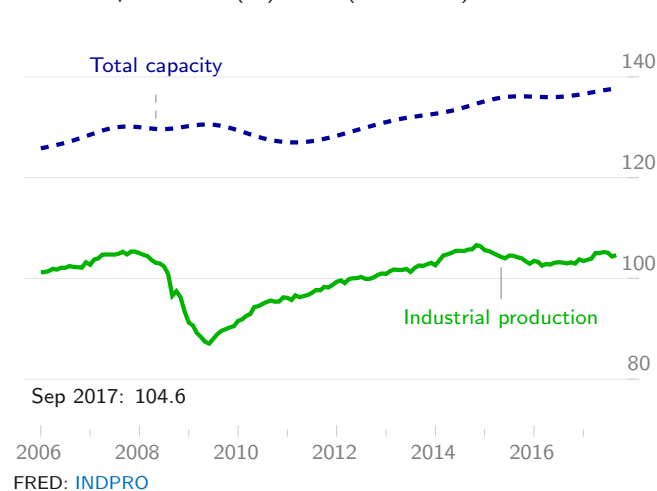
■ ISM manufacturing purchasing managers' index  
(>50 improvement; <50 deterioration)



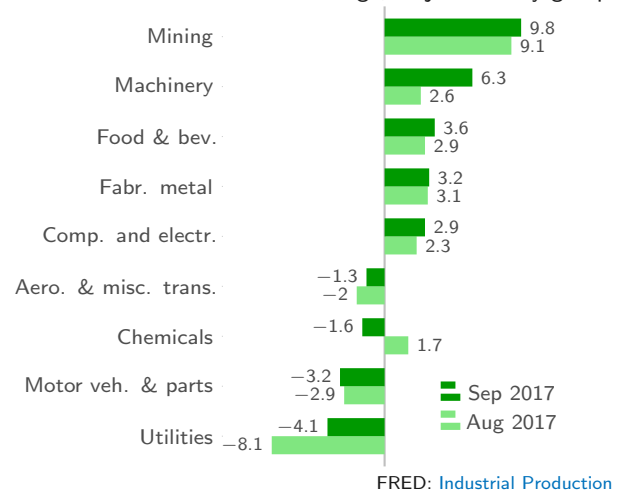
■ ISM non-manufacturing business activity index  
(>50 improvement; <50 deterioration)



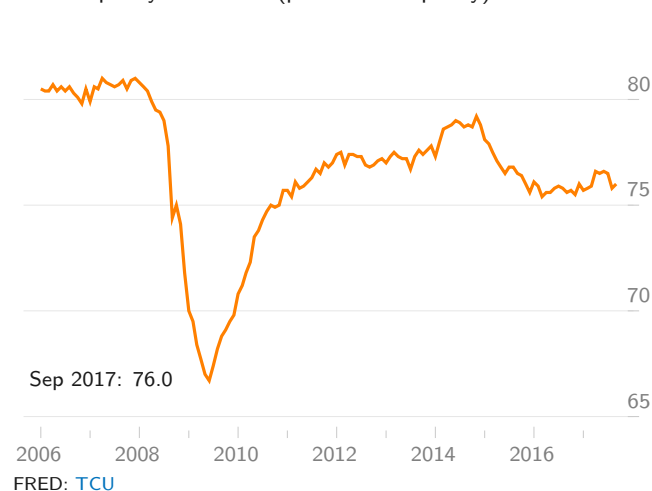
■ Industrial production (IP) index (2012=100) \*



■ IP index change, major industry groups

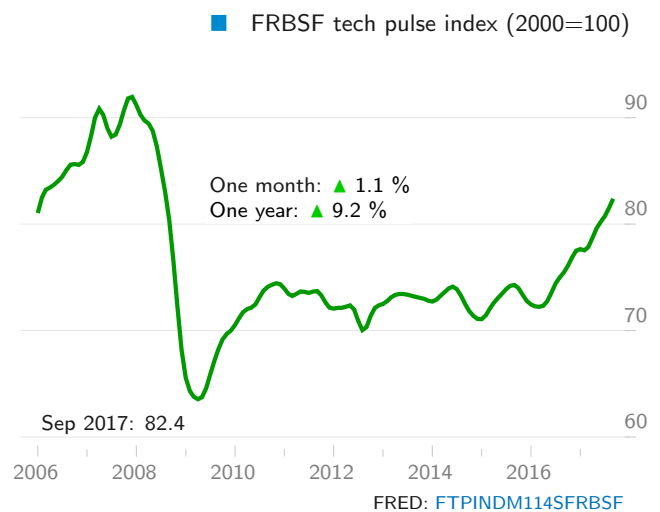
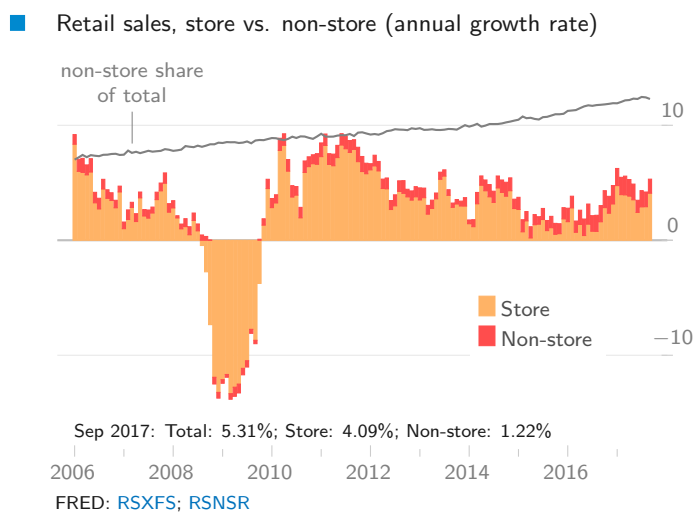
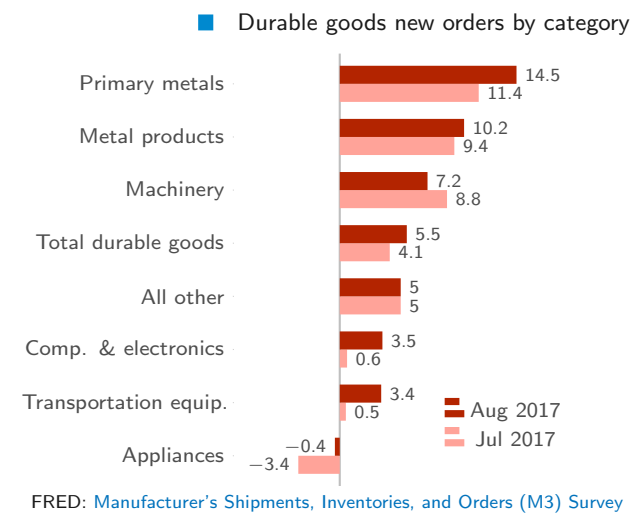
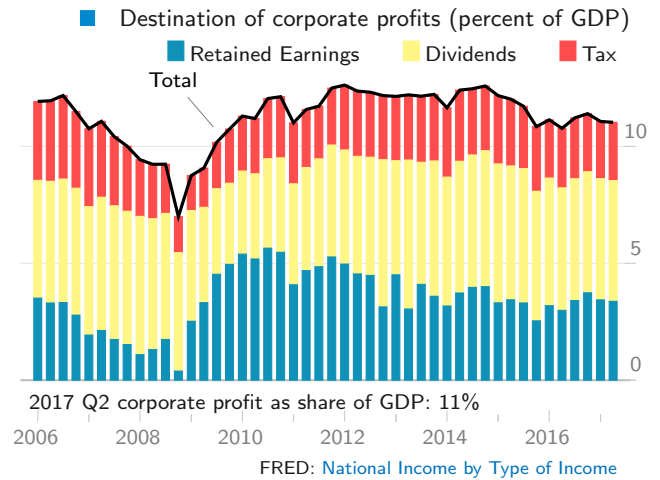
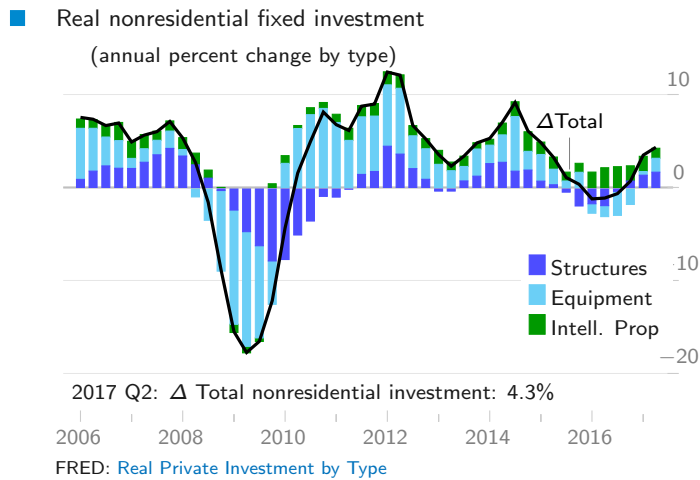


■ Total capacity utilization (percent of capacity)



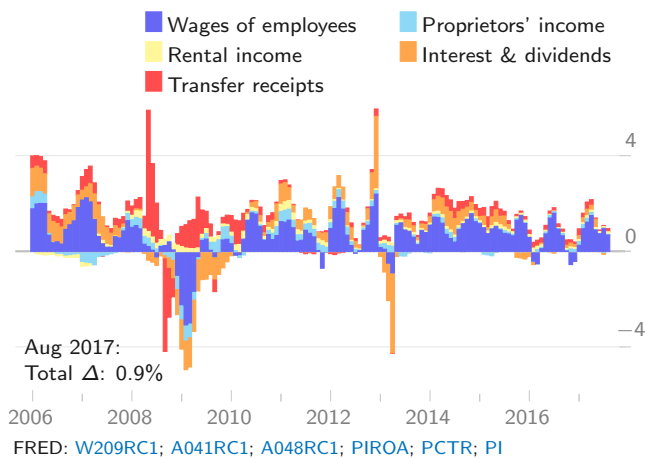
■ Capacity utilization change, major industry groups



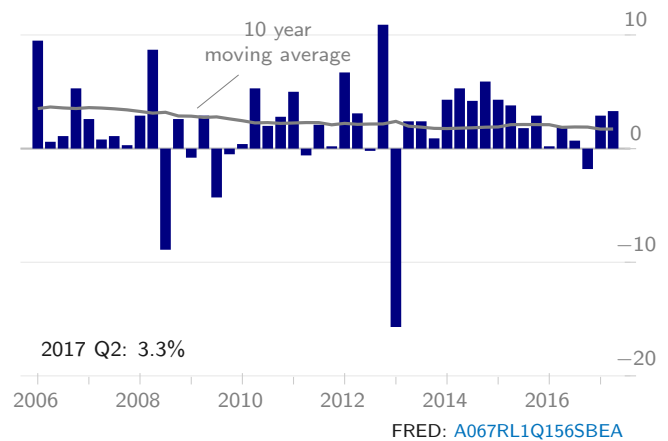


## Macroeconomic Indicators: Households

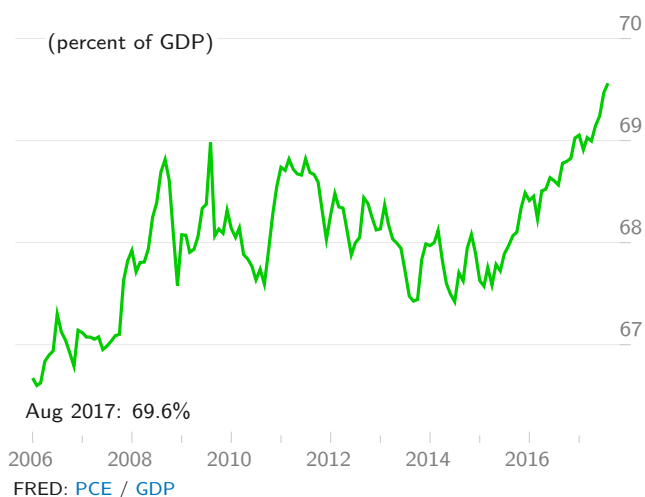
### Personal income (annual percent change by type)



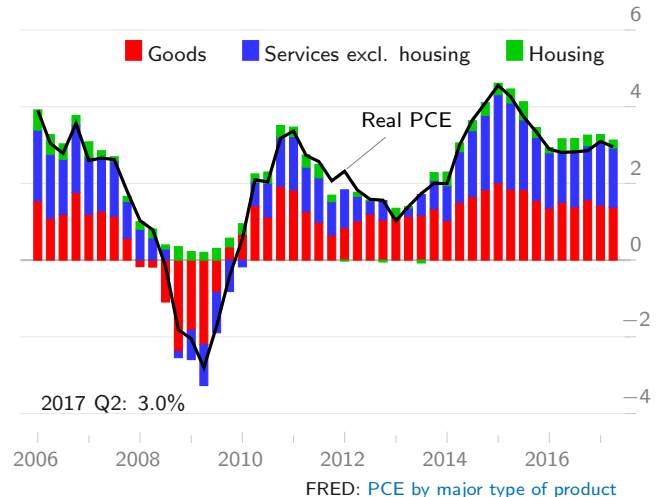
### Real disposable personal income (annual percent change) \*



### Personal consumption expenditure (PCE)



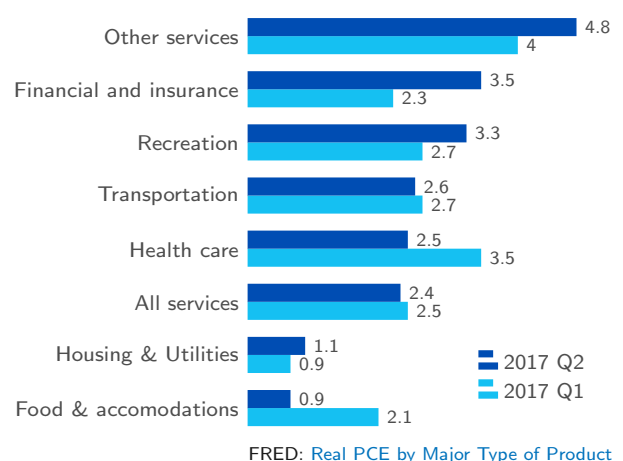
### Real PCE by category (annual percent change) \*



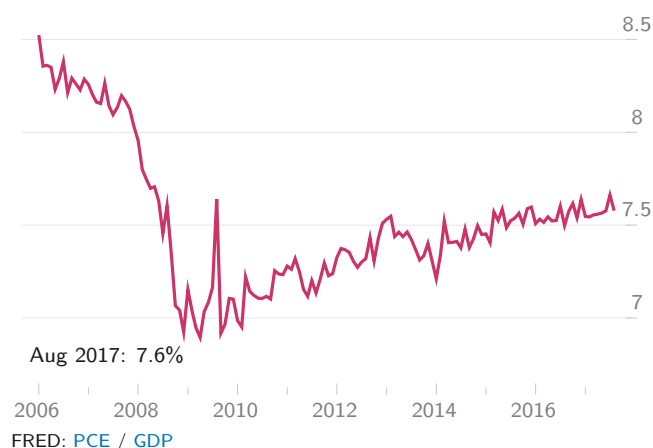
### Real PCE on goods by type (annual percent change)



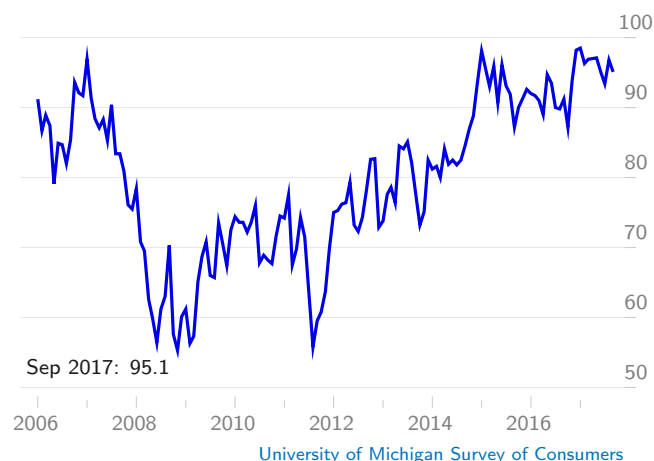
### Real PCE on services by type (annual percent change)



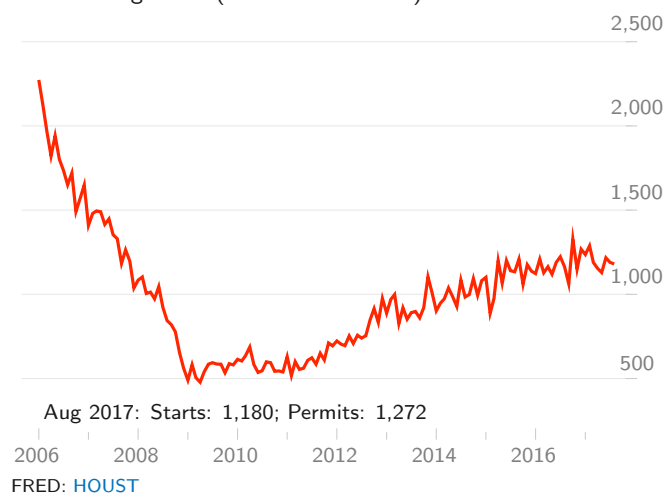
■ PCE on durable goods (percent of GDP) \*



■ University of Michigan consumer sentiment index



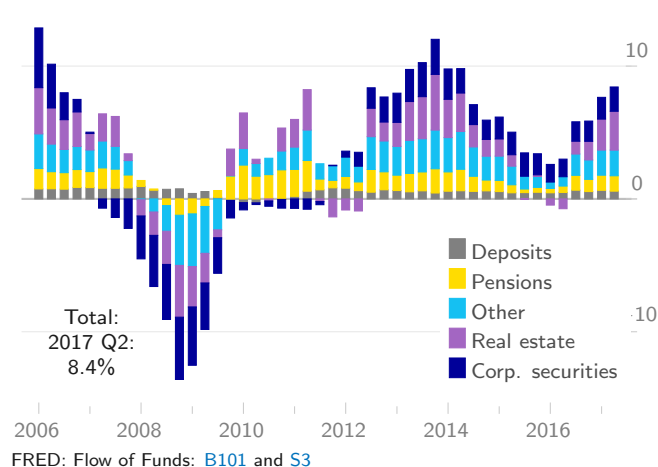
■ New housing starts (thousands of units)



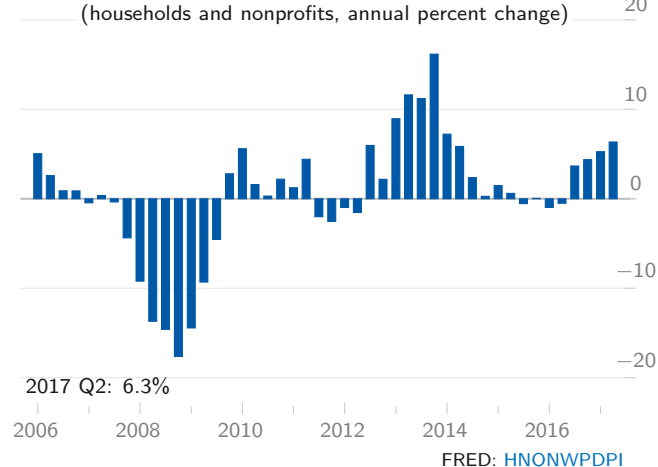
■ Personal savings rate (percent of disposable income)



■ Household and nonprofits assets (annual growth rate)



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





## Depository Corporations

Value of bank loans by loan type (annual percent change)



Bank assets by major type (annual percent change)



Domestic loans and deposits (annual percent change)



Noncurrent loans (share of total loans)



Domestic deposits (annual percent change)



Bank liabilities and equity capital (annual % change)



# Macro and Markets Dashboard: United States

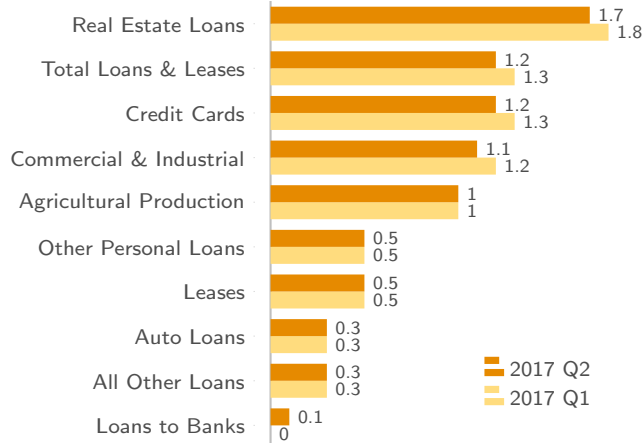
## Bank income and expense (USD billions)



## Bank return on equity (ROE)



## Noncurrent rate by loan type \*

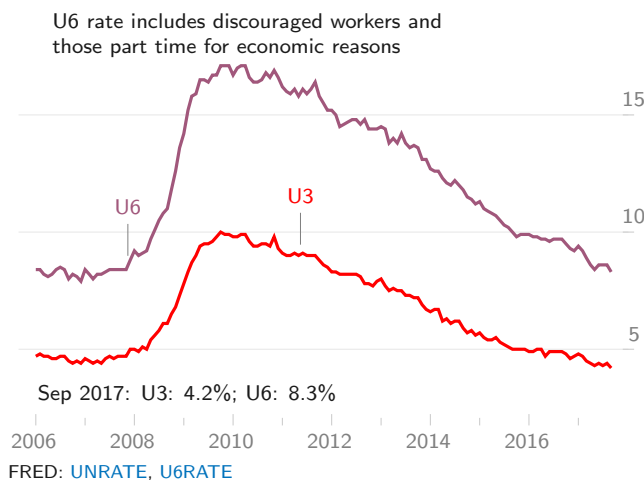


## Loans to assets ratio by total bank assets (percent of loans)

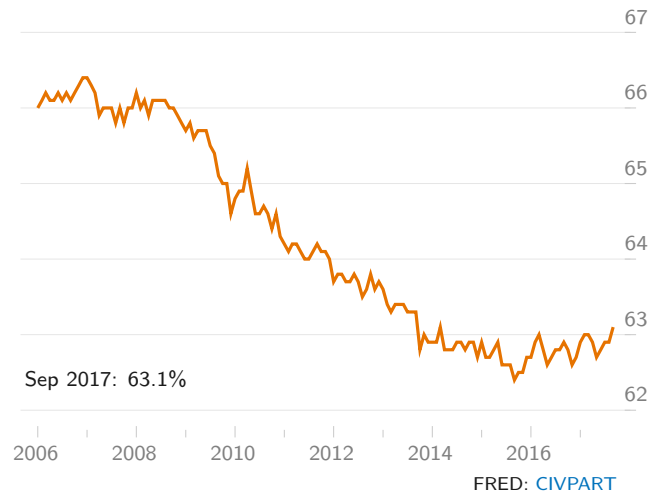


## Labor Markets

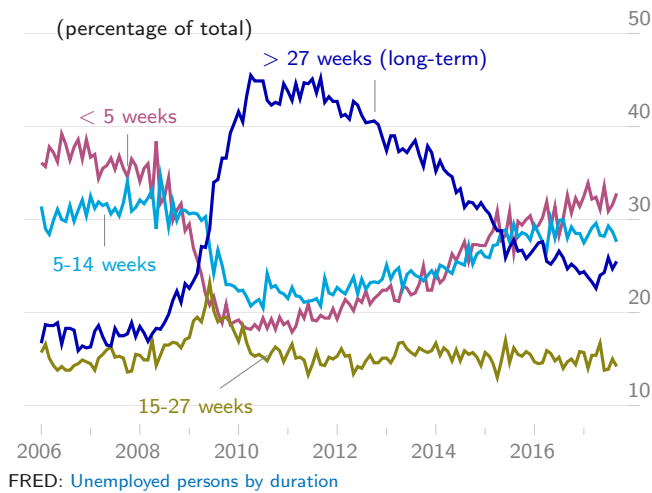
### Civilian unemployment rates (U-3 and U-6) \*



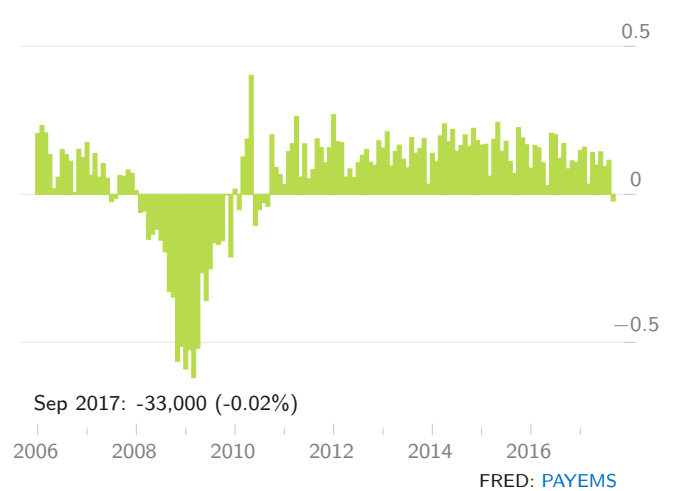
### Labor force participation rate



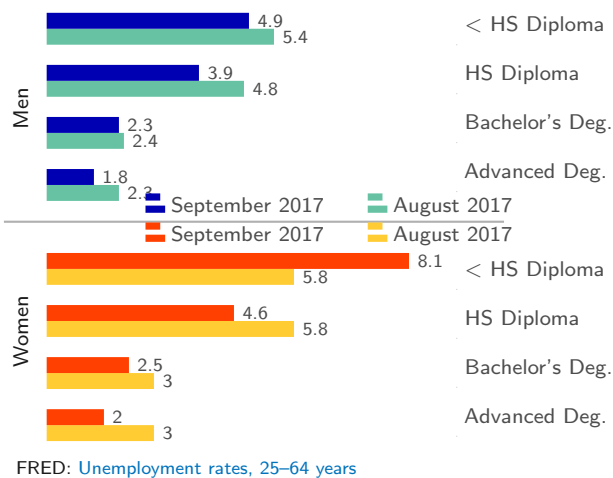
## Share of unemployed by duration



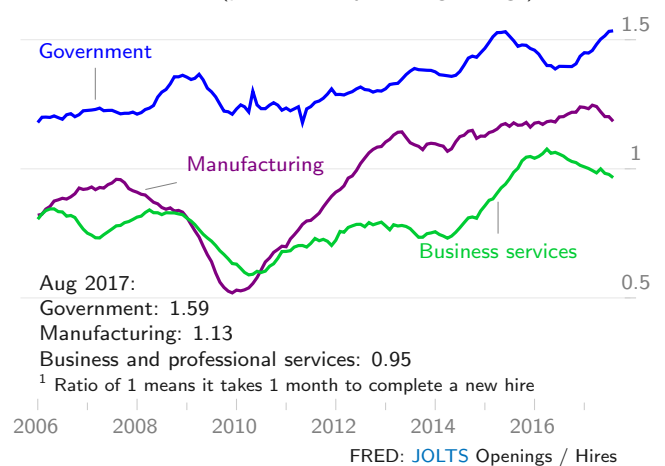
## Nonfarm payrolls (monthly percent change) \*



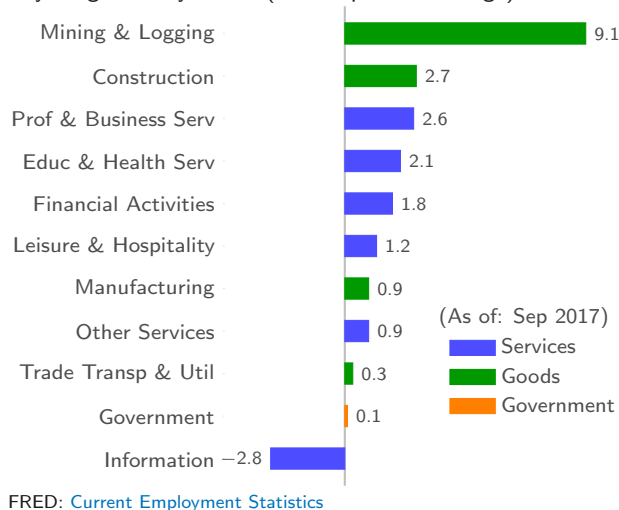
## Unemployment rate by gender and education level



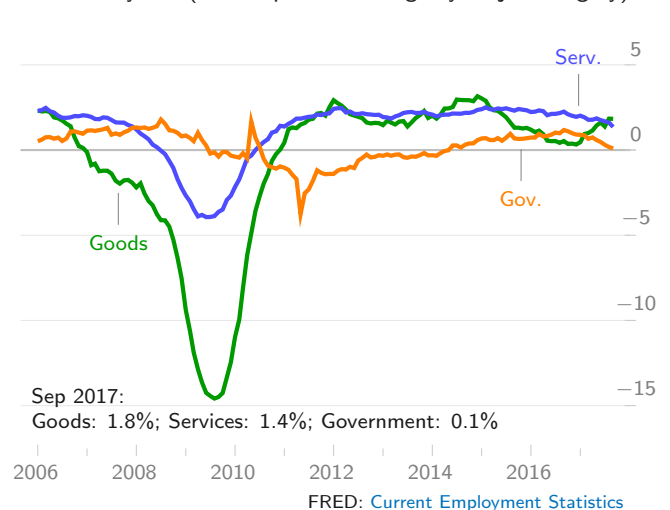
## Job openings per hire, ratio by sector<sup>1</sup> (plots show 1-yr moving average)



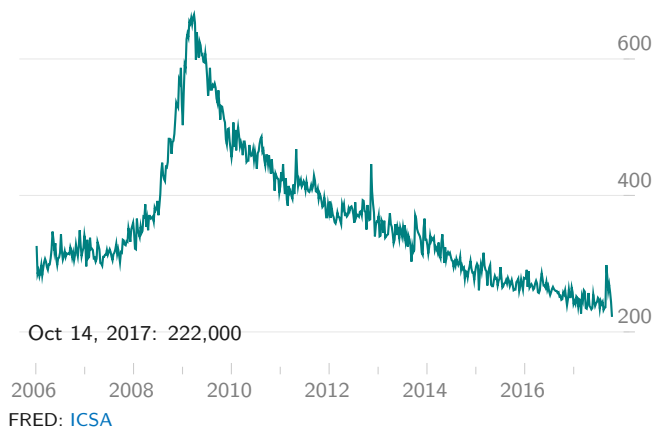
## Payroll growth by sector (annual percent change)



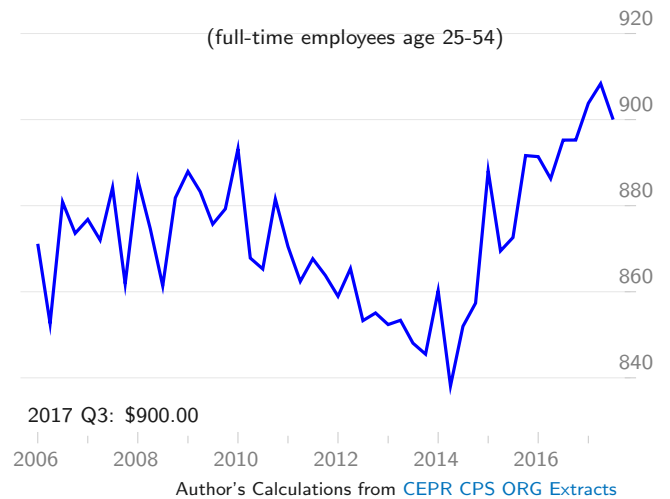
## Payrolls (annual percent change by major category)



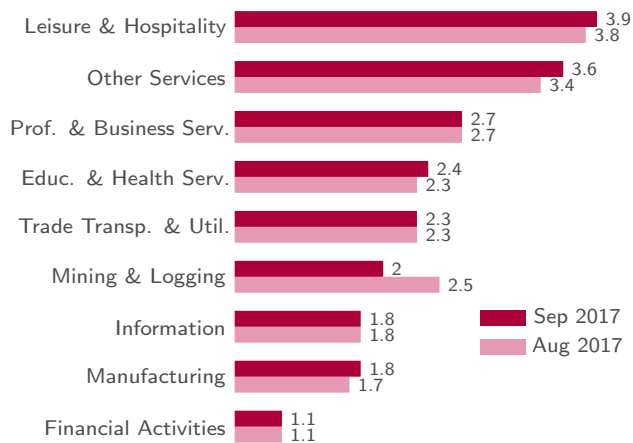
■ New jobless claims (weekly, thousands)



■ Real median weekly earnings (2017 dollars)

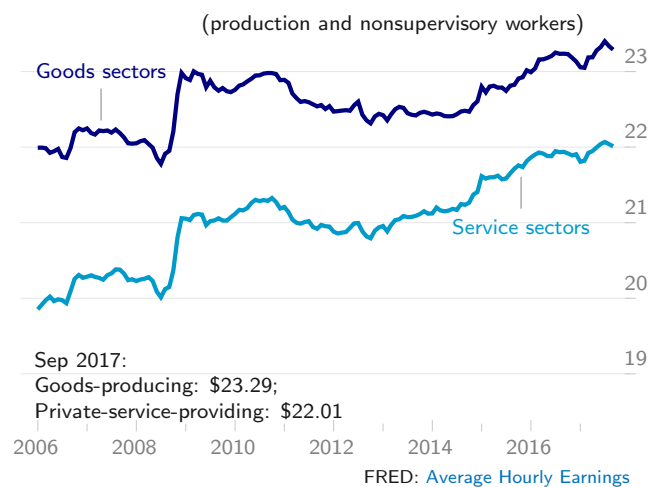


■ Nominal average hourly wage growth (annual percent change)

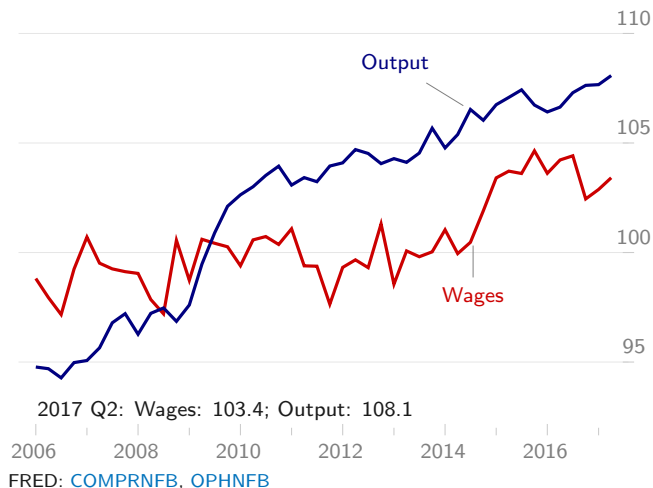


FRED: [Average Hourly Earnings](#), Production and Nonsupervisory Employees

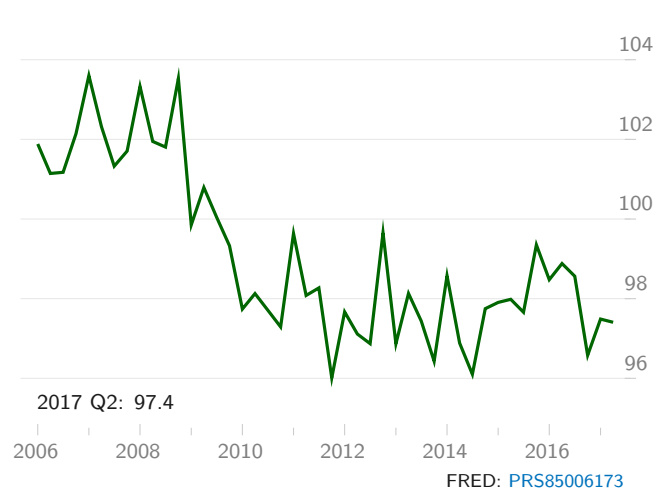
■ Real average hourly wages (in 2017 U.S. Dollars)



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



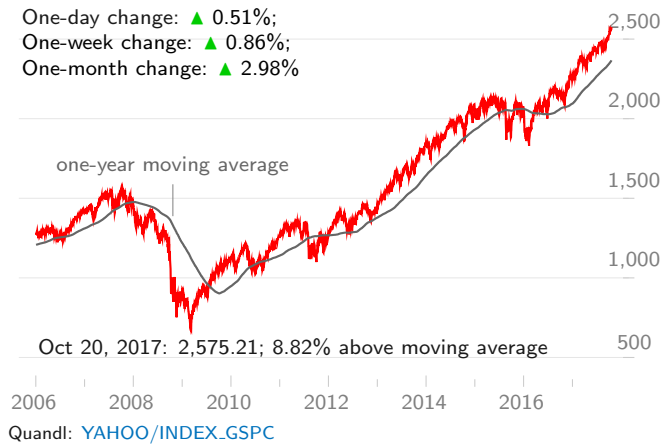
■ Labor share of output (index, 2005=100)



## Equity Markets

### S&P 500

One-day change: ▲ 0.51%;  
One-week change: ▲ 0.86%;  
One-month change: ▲ 2.98%



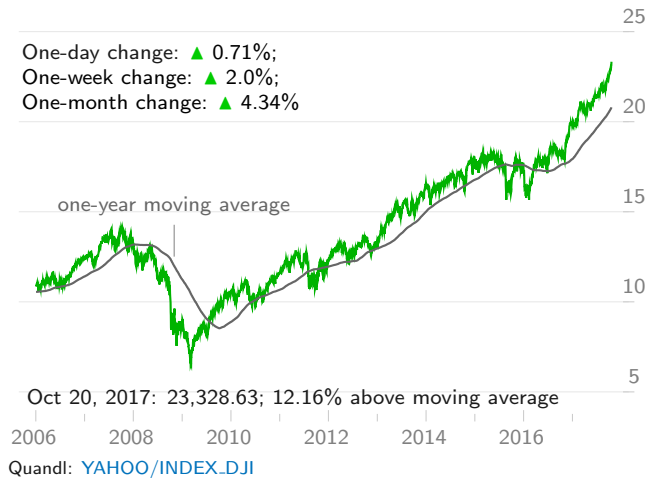
### NASDAQ Composite Index

One-day change: ▲ 0.36%;  
One-week change: ▲ 0.35%;  
One-month change: ▲ 3.21%

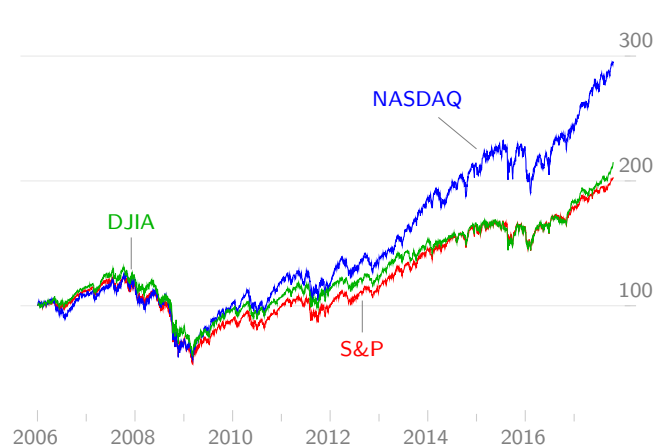


### Dow Jones Industrial Average (thousands)

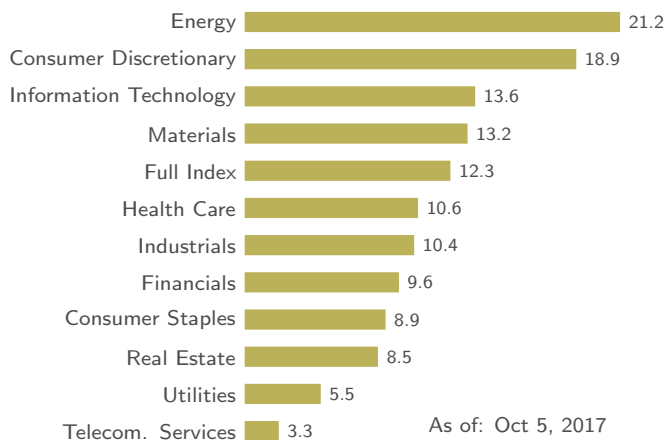
One-day change: ▲ 0.71%;  
One-week change: ▲ 2.0%;  
One-month change: ▲ 4.34%



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

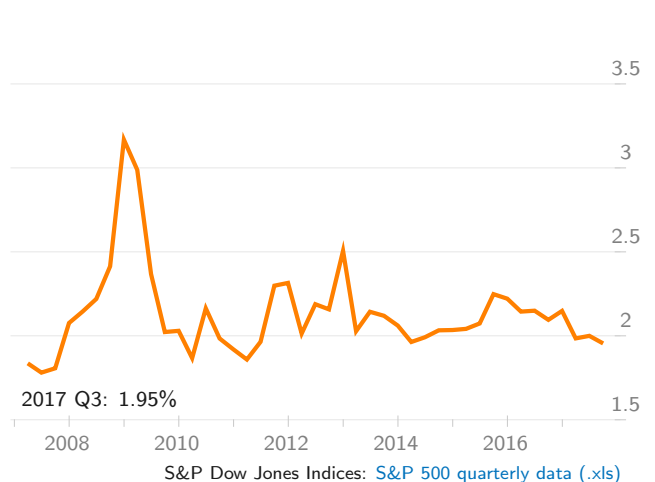


### S&P 500 five-year growth forecast by sector



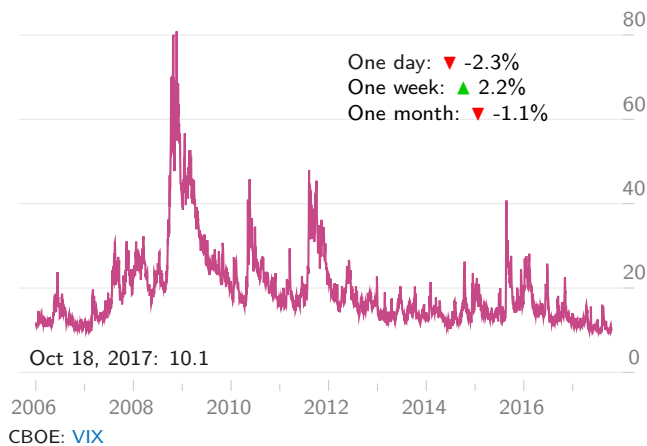
S&P Dow Jones Indices: [S&P 500 growth forecasts \(.xls\)](#)

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

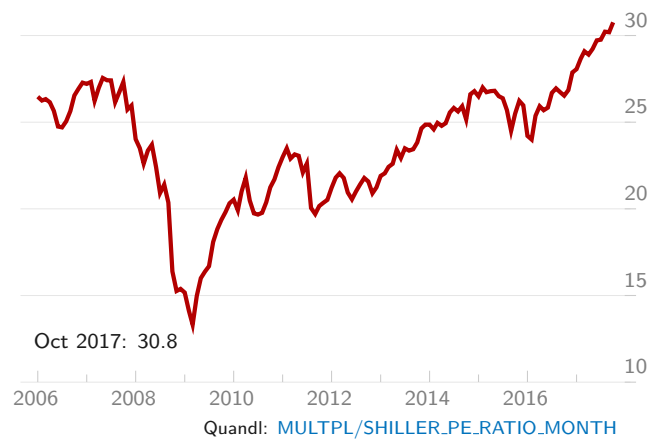


## Macro and Markets Dashboard: United States

### CBOE volatility index (VIX) \*

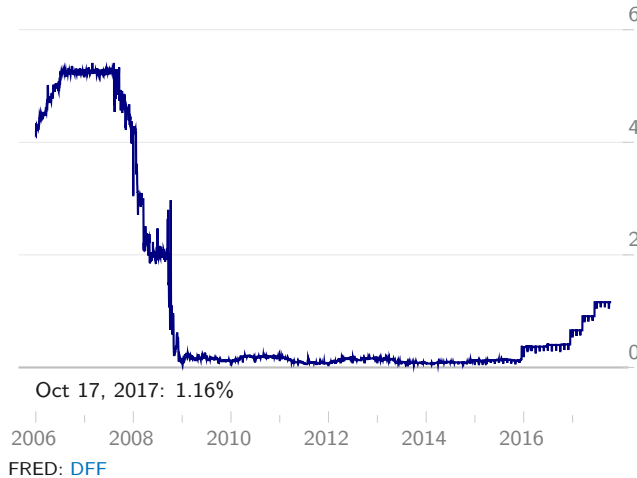


### Shiller index of price to earnings ratios



## Money and Interest Rates

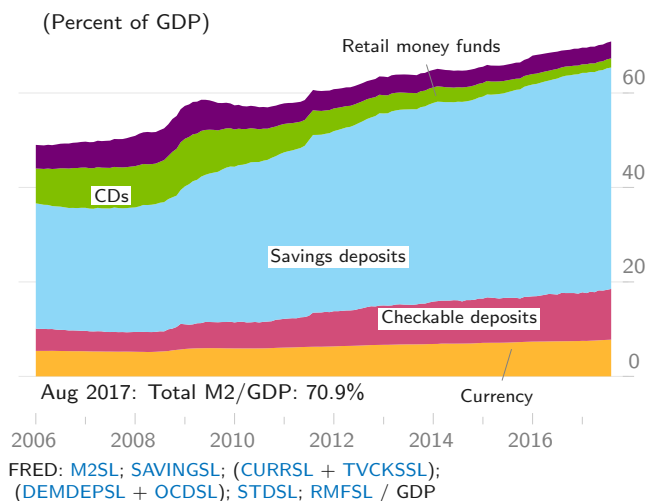
### Effective fed funds rate \*



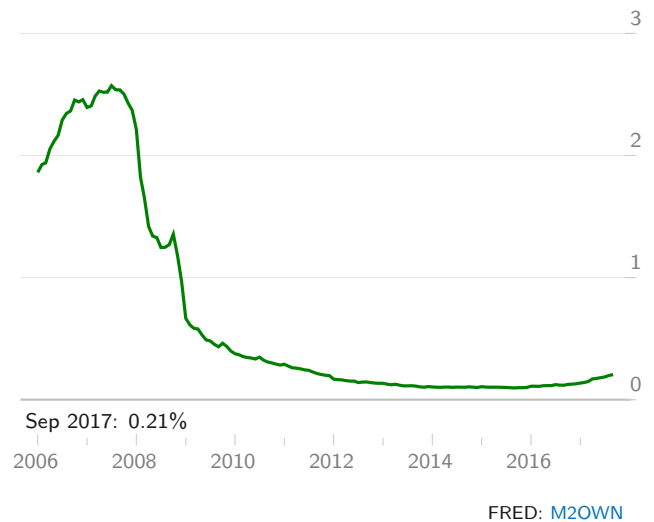
### Fed excess reserves of depository corporations (USD billion)



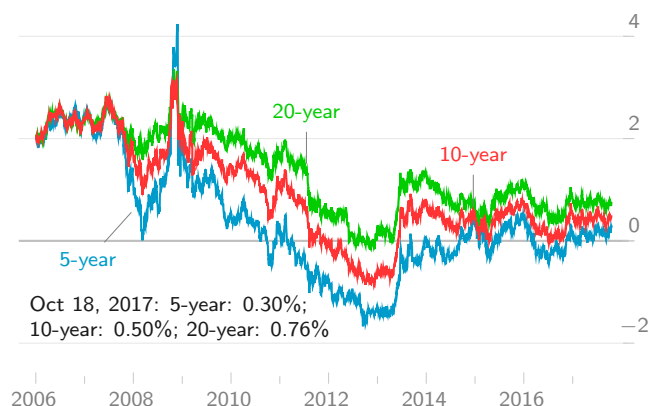
### Components of the M2 money supply



### Average rate of return on M2



■ Treasury bond real yield by maturity



Quandl: USTREASURY/REALYIELD

■ 2- and 10-year treasury constant maturity rates



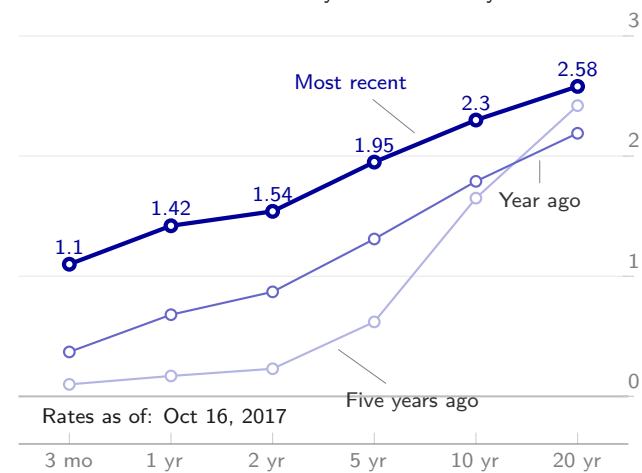
Quandl: USTREASURY/YIELD

■ Treasury yield spreads



Quandl: FRED/YIELD - FRED/BILLRATES

■ Treasury bill and bond yield curve \* (Key indicator)



Quandl: USTREASURY/YIELD

■ Corporate bonds AAA (effective yield)



FRED: BAMLCOA1CAAAY

■ Corporate bonds high yield (effective yield)



FRED: BAMLH0A0HYM2EY

## Macro and Markets Dashboard: United States

### ■ Corporate bonds high yield spread over AAA \*



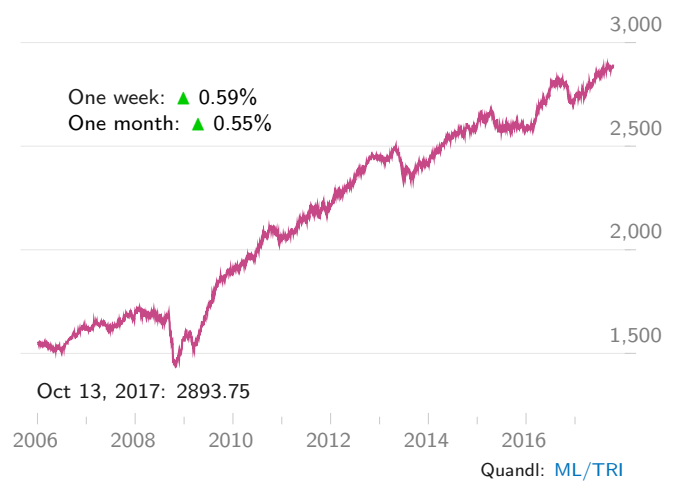
### ■ ... high yield spread over 10-year treasury



### ■ Corporate bonds AAA spread over 10-year treasury



### ■ Corporate bonds total return index

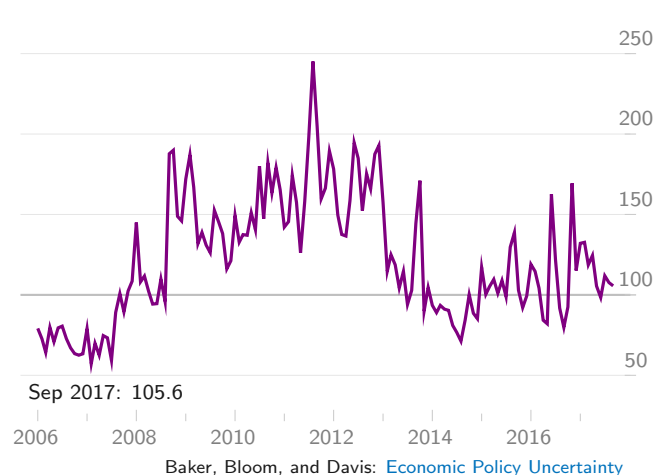


## Government and Policy

### ■ Total public debt by holder (percent of GDP)



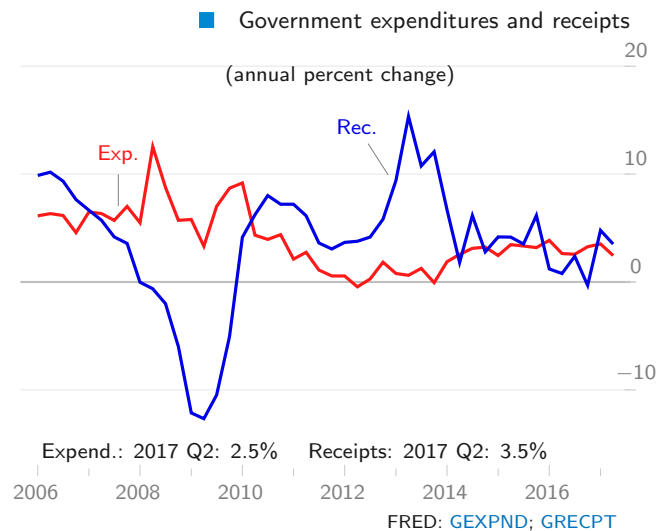
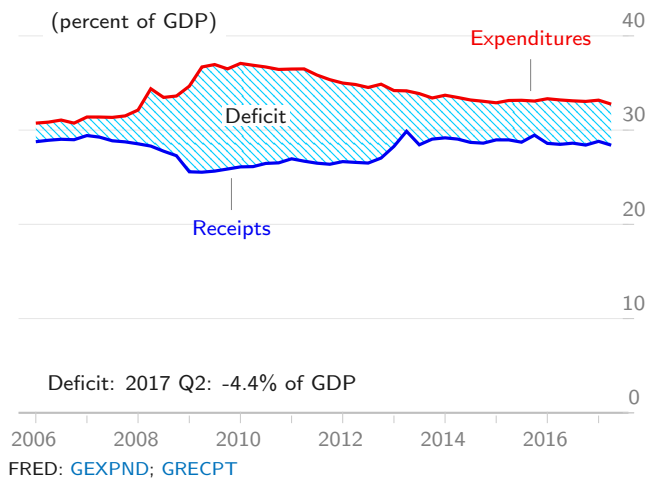
### ■ Economic policy uncertainty index



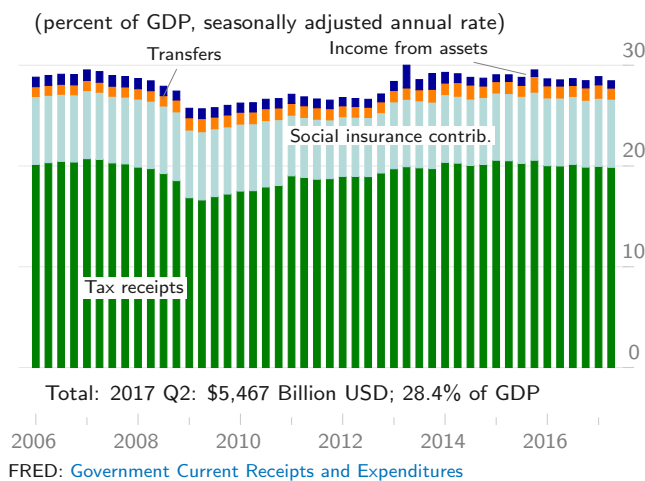


# Macro and Markets Dashboard: United States

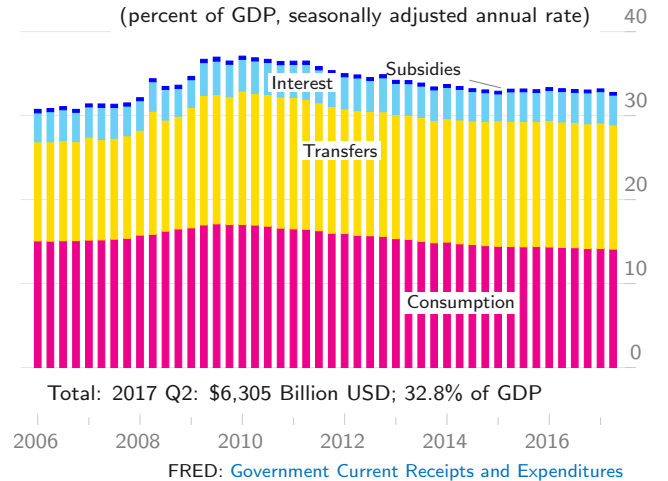
## Government expenditures and receipts \*



## Government current receipts by type

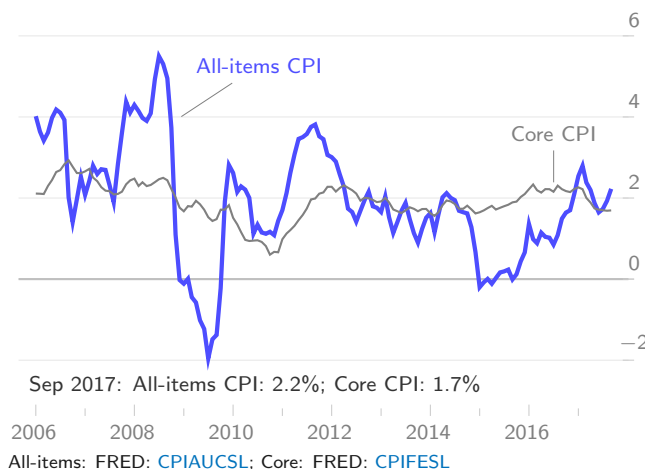


## Government current expenditures by type

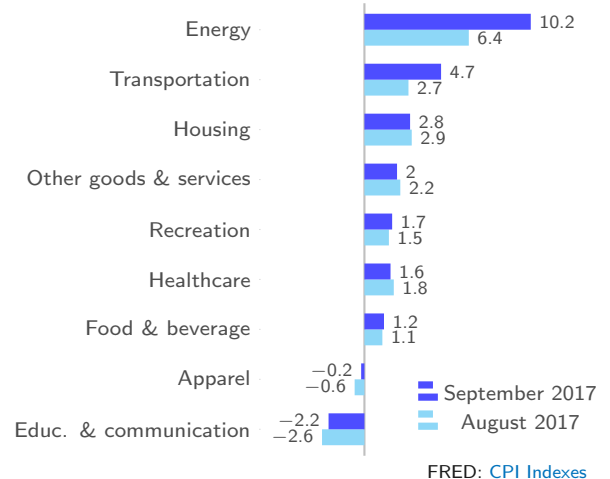


## Prices

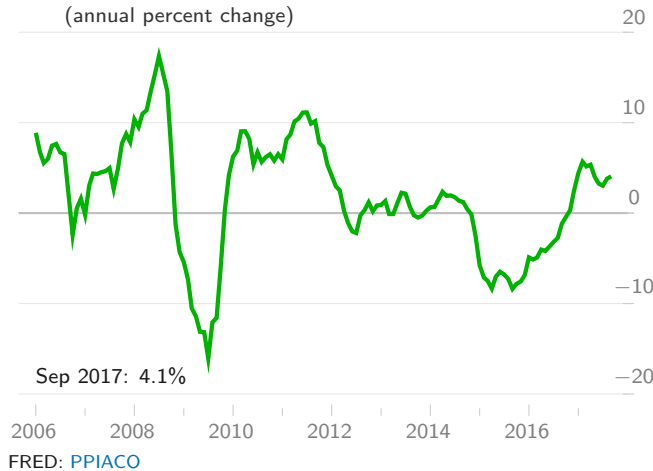
## Consumer price index (CPI) (annual percent change) \*



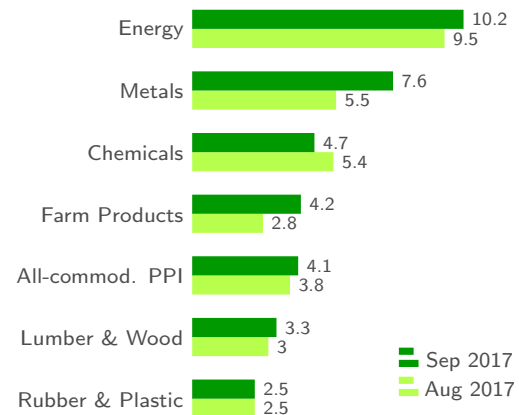
## CPI components (annual percent change)



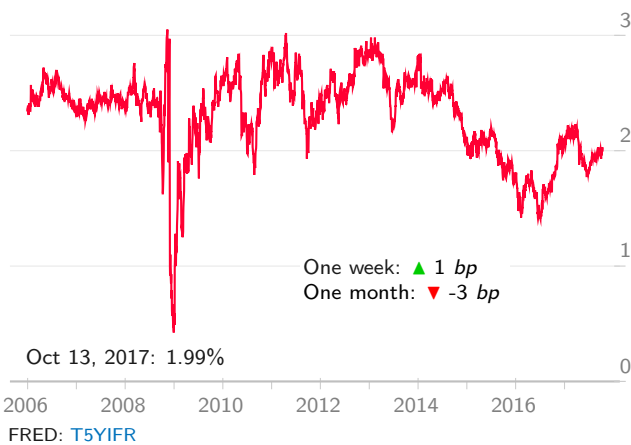
■ Producer price index, all commodities (PPIACO)  
(annual percent change)



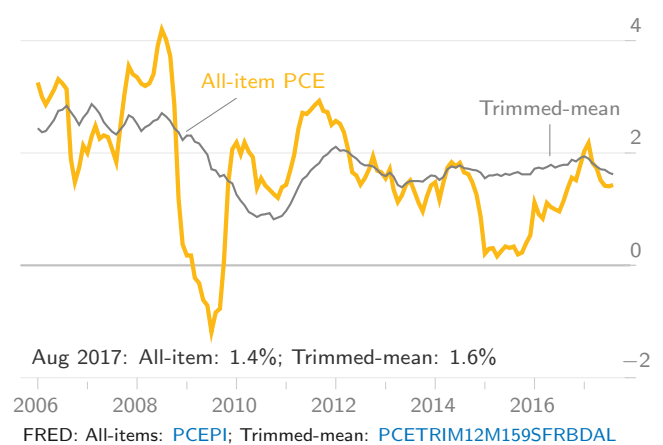
■ PPIACO selected components (annual percent change)



■ 5-Year forward inflation expectation rate \*  
(expected average annual inflation rate, percent)



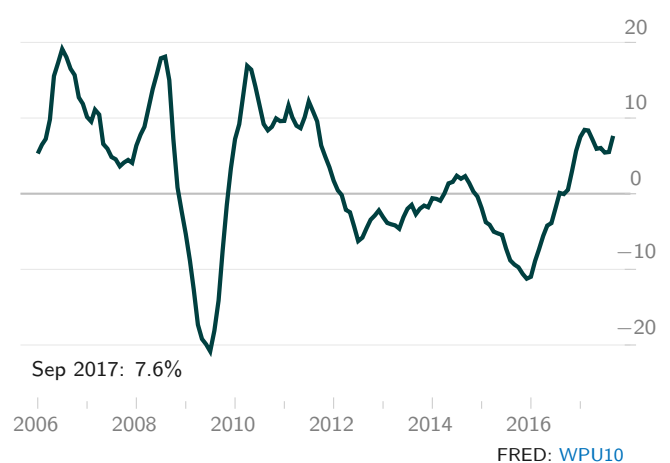
■ PCE chain-type price index (annual percent change)



■ Oil price (USD per barrel, WTI)

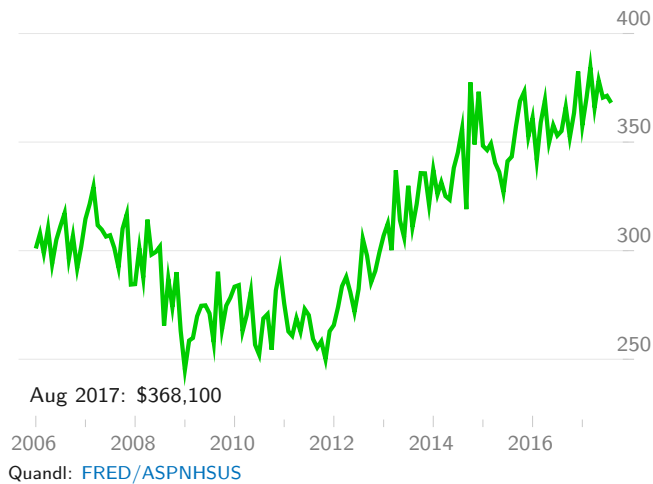


■ PPI growth: metals (annual percent change)



## Macro and Markets Dashboard: United States

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



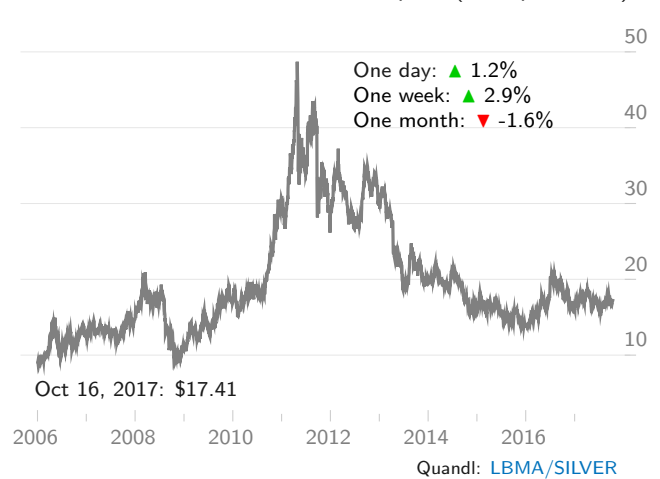
■ FAO food price index (world, 2002-04=100) \*



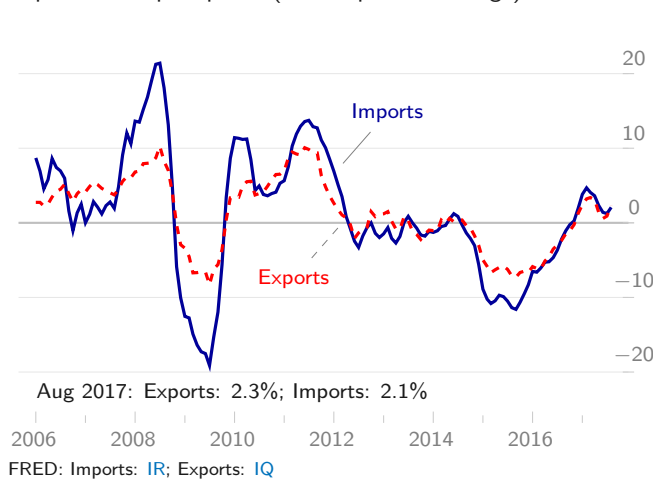
■ Gold price (USD per ounce)



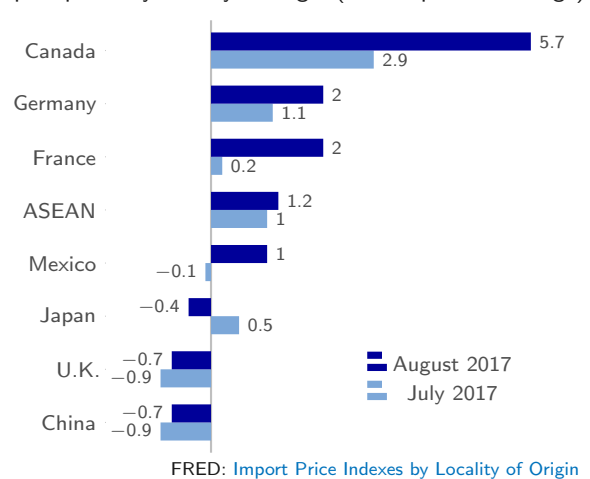
■ Silver price (USD per ounce)



■ Export and import prices (annual percent change)

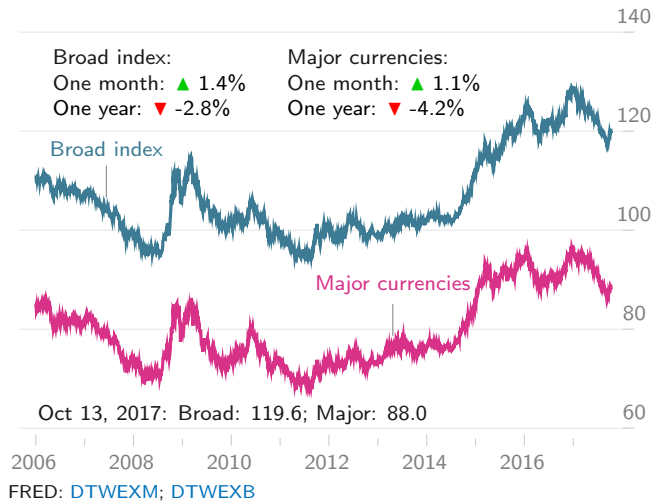


■ Import prices by locality of origin (annual percent change)

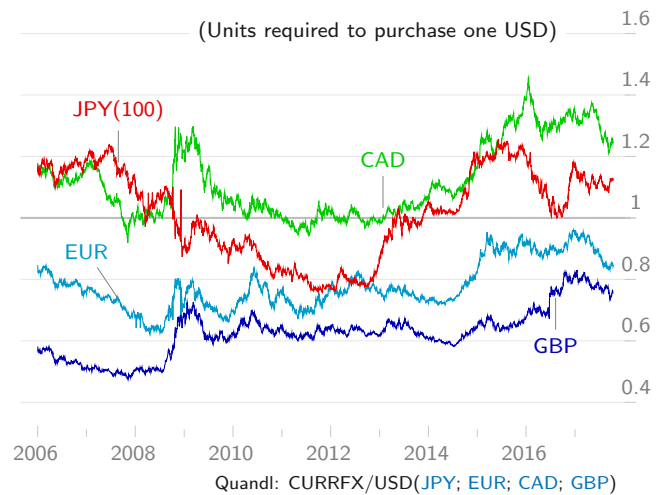


## Trade and External Sector Indicators

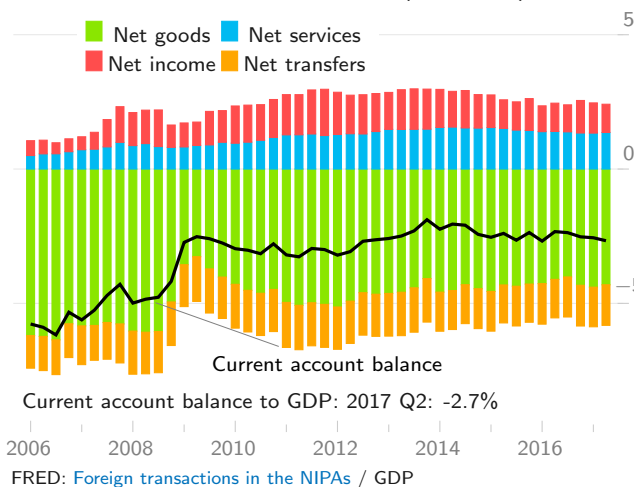
### Trade weighted dollar indices (1973=100) \*



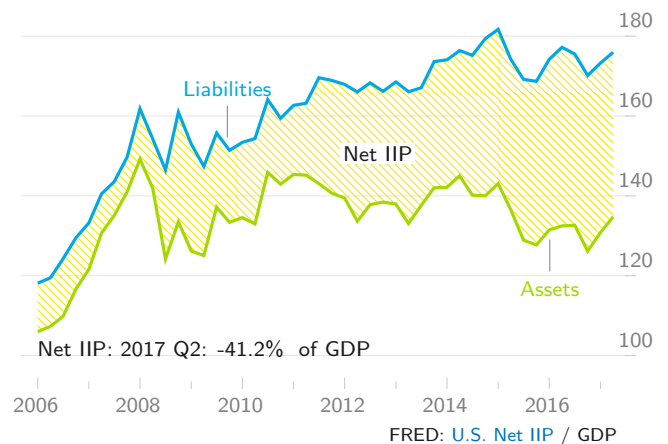
### Indirect exchange rates (USD-CUR) 📊



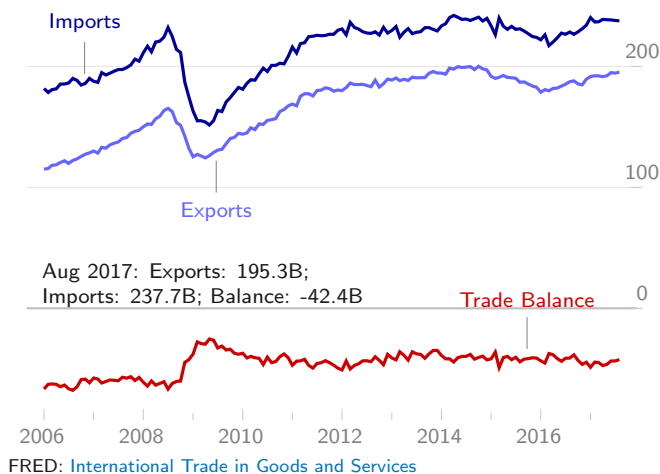
### Current account balance components (% of GDP) \*



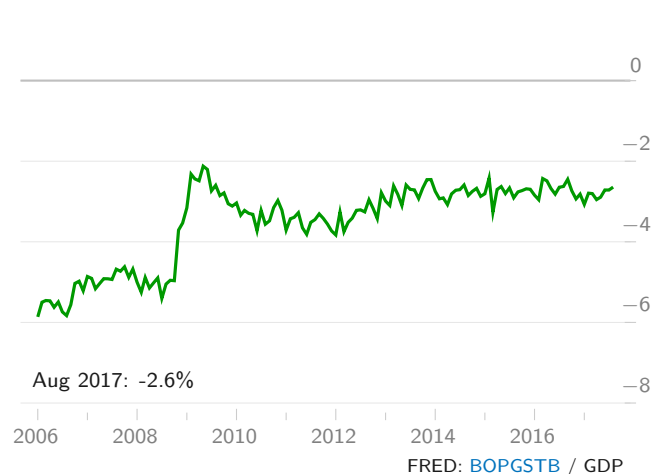
### Net international investment position (percent of GDP)



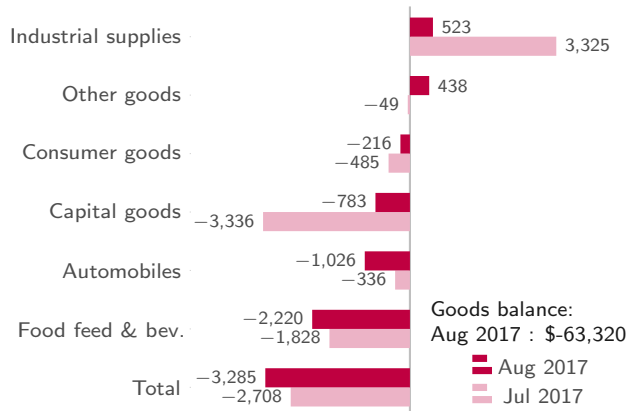
### Imports, exports, and trade balance (USD billion)



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

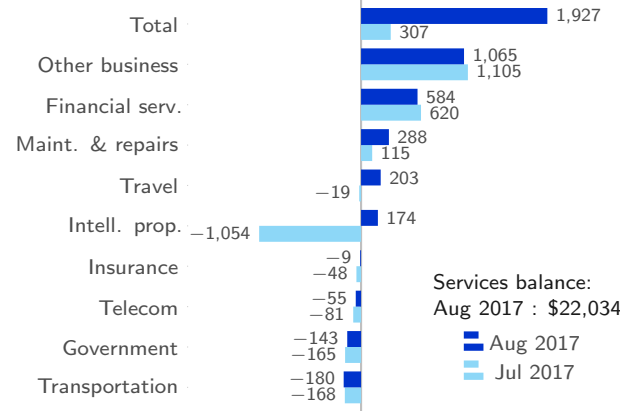


## Net exports of goods (USD, millions, one-year change)



U.S. Census Bureau: [U.S. International Trade in Goods](#)

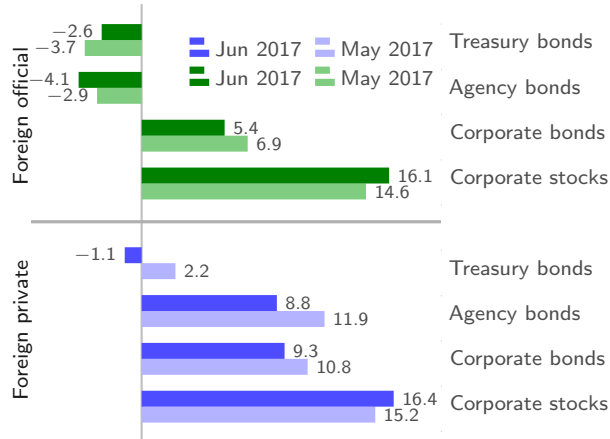
## Net exports of services (USD, millions, one-year change)



FRED: [U.S. International Trade in Goods and Services](#)

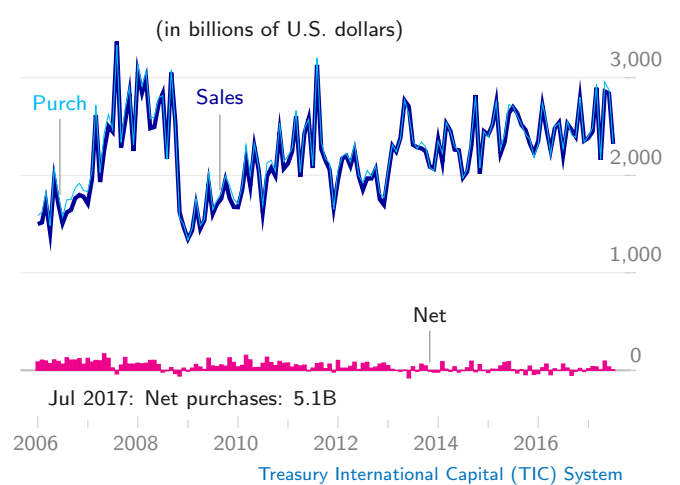
## Capital Flows

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

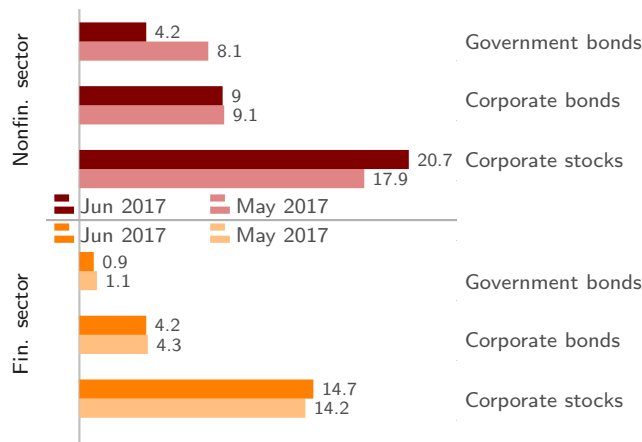


Treasury International Capital (TIC) System

### Foreign purchases and sales of U.S. securities

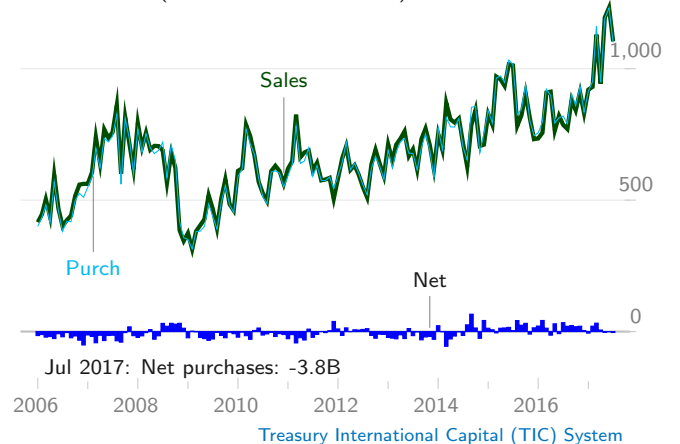


### U.S. holdings of foreign securities (annual % change)









Treasury International Capital (TIC) System

### U.S. purchases and sales of foreign securities



## Exchange Rate Table

■ Indirect exchange rates against the US Dollar (  USD)

Currency	Rate <sup>1</sup>	1 day % ch.	1 week % ch.	1 month % ch.	1 year % ch.	1 year high	1 year low	Updated:
 EUR	0.848	▼ -0.20	▲ 0.59	▲ 1.37	▼ -7.41	0.962	0.831	2017-10-19
 GBP	0.757	▼ -0.14	▲ 0.20	▲ 2.25	▼ -7.51	0.831	0.736	2017-10-19
 JPY	113.013	▲ 0.71	▲ 0.51	▲ 1.34	▲ 8.53	118.253	103.060	2017-10-19
 CAD	1.247	▼ -0.26	▲ 0.14	▲ 1.49	▼ -5.16	1.375	1.211	2017-10-19
 MXN	18.881	▲ 0.46	▲ 1.01	▲ 6.05	▲ 1.96	21.921	17.490	2017-10-19
 AUD	1.275	▲ 0.12	▼ -0.49	▲ 1.61	▼ -1.53	1.393	1.241	2017-10-19
 CNY	6.628	▲ 0.09	▲ 0.58	▲ 0.83	▼ -1.66	6.957	6.485	2017-10-19
 CHF	0.981	▲ 0.32	▲ 0.81	▲ 2.00	▼ -0.78	1.030	0.945	2017-10-19
 NZD	1.398	▲ 0.30	▼ -0.79	▲ 1.52	▲ 1.18	1.463	1.329	2017-10-19
 SEK	8.136	▼ -0.19	▲ 1.17	▲ 2.24	▼ -8.57	9.404	7.919	2017-10-19
 NOK	7.954	▲ 0.23	▲ 0.50	▲ 1.63	▼ -2.21	8.712	7.729	2017-10-19
 DKK	6.311	▼ -0.20	▲ 0.60	▲ 1.40	▼ -7.40	7.155	6.186	2017-10-19
 RUB	57.375	▲ 0.17	▼ -0.74	▼ -1.21	▼ -8.40	65.960	55.780	2017-10-19
 HKD	7.808	0.00	▲ 0.03	▼ -0.11	▲ 0.65	7.826	7.753	2017-10-19
 SGD	1.356	▲ 0.15	▲ 0.23	▲ 0.66	▼ -2.21	1.451	1.339	2017-10-19
 TWD	30.198	▲ 0.06	▼ -0.05	▲ 0.35	▼ -4.25	32.437	29.988	2017-10-19
 TRY	3.673	▲ 0.21	▲ 0.78	▲ 5.03	▲ 16.76	3.877	3.056	2017-10-19
 KRW	1131.400	▲ 0.13	▼ -0.01	▲ 0.23	▲ 0.92	1209.840	1109.250	2017-10-19
 ZAR	13.554	▲ 1.28	▲ 0.31	▲ 1.99	▼ -2.01	14.470	12.470	2017-10-19
 BRL	3.170	▲ 0.44	▲ 0.01	▲ 1.11	▲ 0.09	3.576	3.056	2017-10-19
 INR	65.040	▲ 0.17	▼ -0.25	▲ 1.27	▼ -2.48	68.805	63.641	2017-10-19
 ILS	3.489	▼ -0.57	▲ 0.02	▼ -1.10	▼ -9.73	3.880	3.482	2017-10-19
 EGP	17.620	▼ -0.05	▲ 0.18	▼ -0.10	▲ 49.73	19.620	8.858	2017-10-19
 IDR	13510.000	▲ 0.11	0.00	▲ 1.79	▲ 3.74	13575.000	13000.000	2017-10-19
 THB	33.130	▲ 0.14	▼ -0.10	▲ 0.17	▼ -5.19	35.990	33.055	2017-10-19
 MYR	4.220	0.00	▲ 0.18	▲ 0.79	▲ 1.50	4.496	4.155	2017-10-19
 ARS	17.333	▲ 0.01	▼ -0.40	▲ 1.40	▲ 12.48	17.802	14.900	2017-10-19
 COP	2922.250	▼ -0.86	▼ -0.99	▲ 0.53	▲ 0.24	3181.000	2821.500	2017-10-19
 CLP	624.700	▲ 0.56	▼ -0.22	▲ 1.83	▼ -6.42	678.390	613.260	2017-10-19

Quandl: [CURRFX/USD\(CUR\)](#)

<sup>1</sup> The number of units of foreign currency required to purchase one U.S. dollar.

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