

# Macro and Markets Dashboard: United States

Updated: December 30, 2017



## Key Indicators

			change over prev.		as of:
Real GDP	17.2T		3.2%		2017 Q3
Unemp. rate	4.1%		0.0		Nov 2017
CPI Inflation	2.2%		0.2		Nov 2017

		one week change	one month change		as of:
S&P 500	2,673.61	-0.4%	1.8%		2017-12-29
DJIA	24,719.22	-0.3%	3.3%		2017-12-29
NASDAQ	6,903.39	-0.9%	1.1%		2017-12-29
VIX	11.04	14.8%	3.2%		2017-12-29
2-yr t-bond	1.89%		0.11		2017-12-29
10-yr t-bond	2.40%	-0.08	0.03		2017-12-29
Crude oil	\$60.42	3.5%	5.4%		2017-12-29
USD index	88.74	-0.4%	0.0%		2017-12-22

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

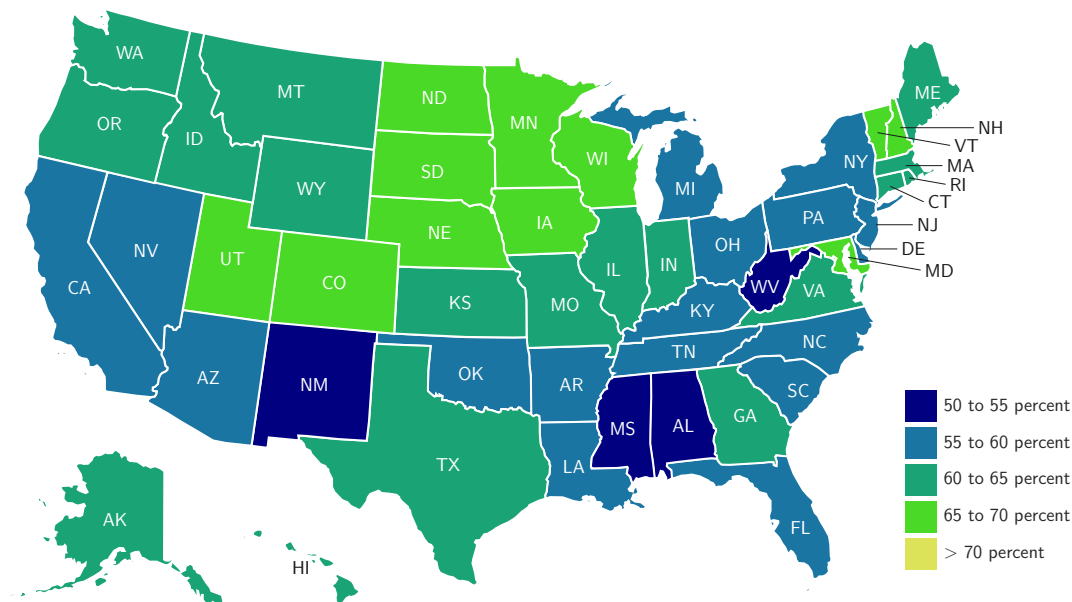
[bd-econ.com](http://bd-econ.com)

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

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

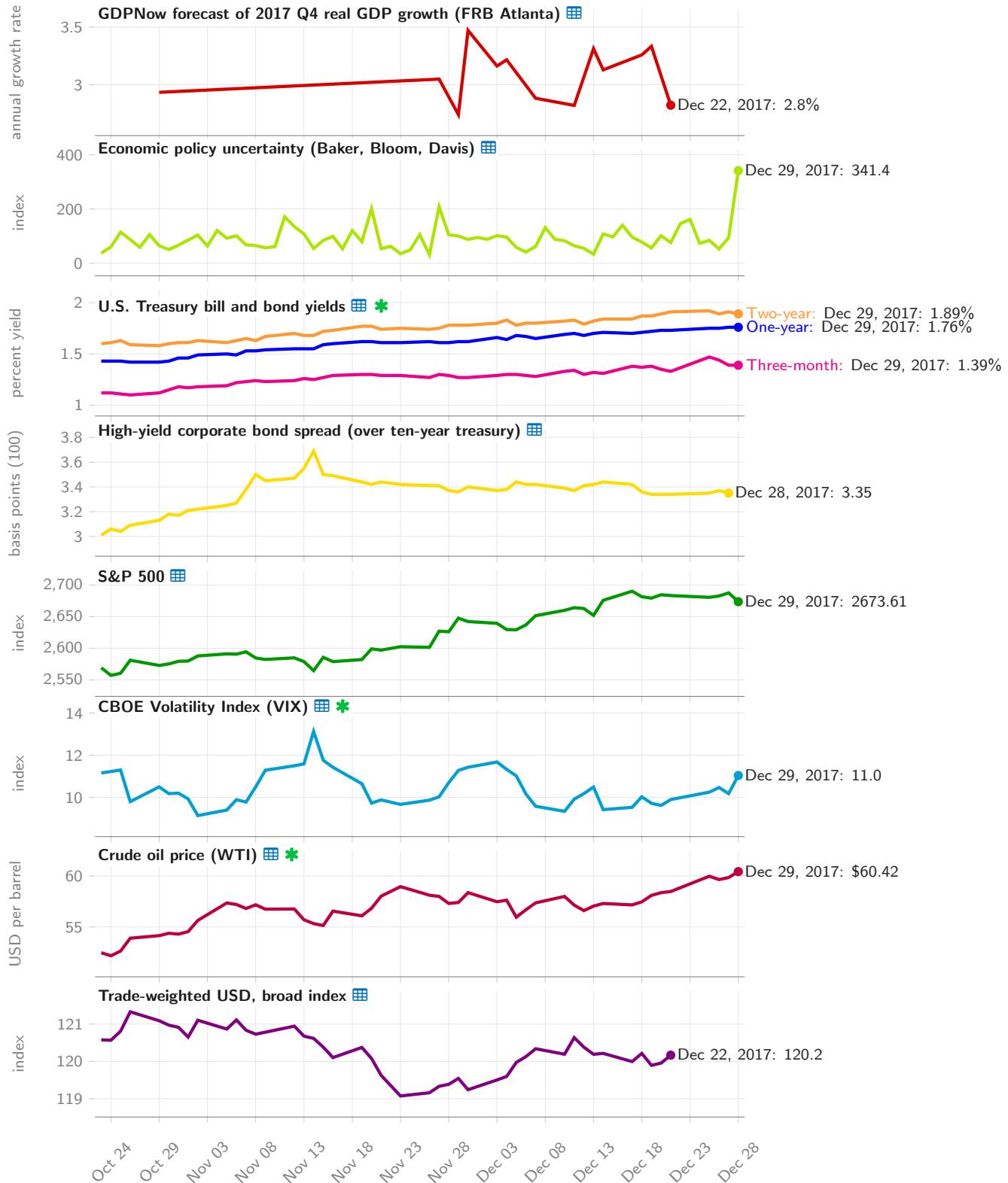
## Chart of the week

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



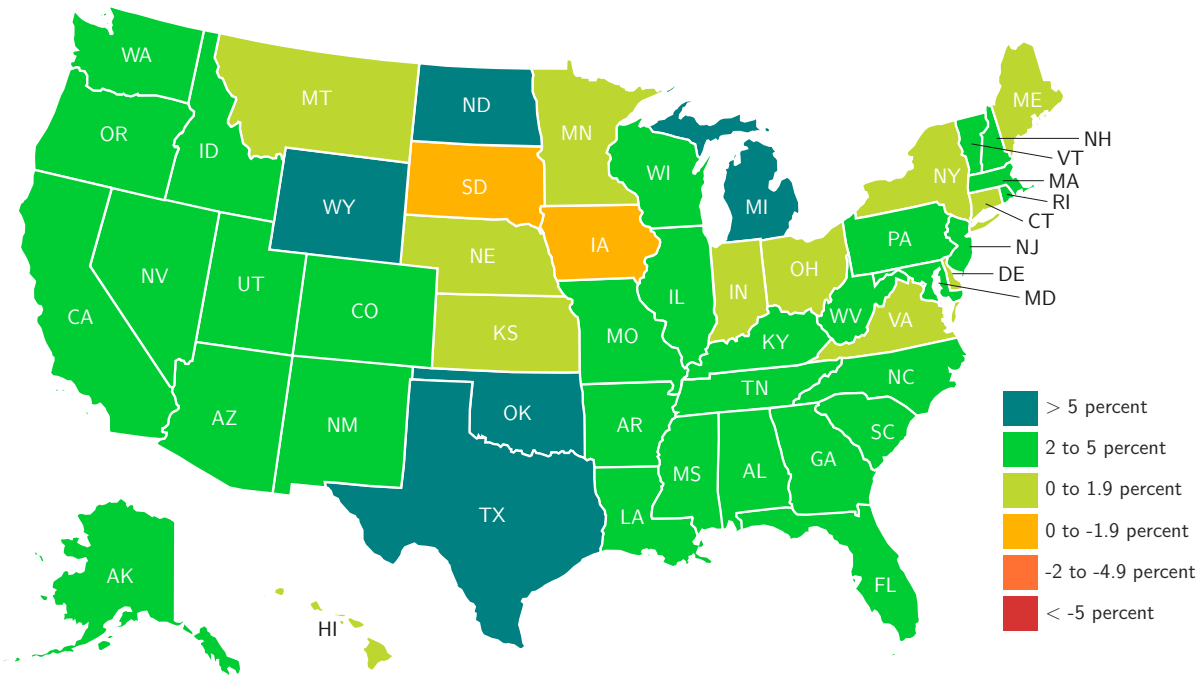
Source: U.S. Bureau of Labor Statistics: Employment Percent of Civilian NonInstitutional Population, Seasonally Adjusted, [Monthly](#)

## High-frequency indicators



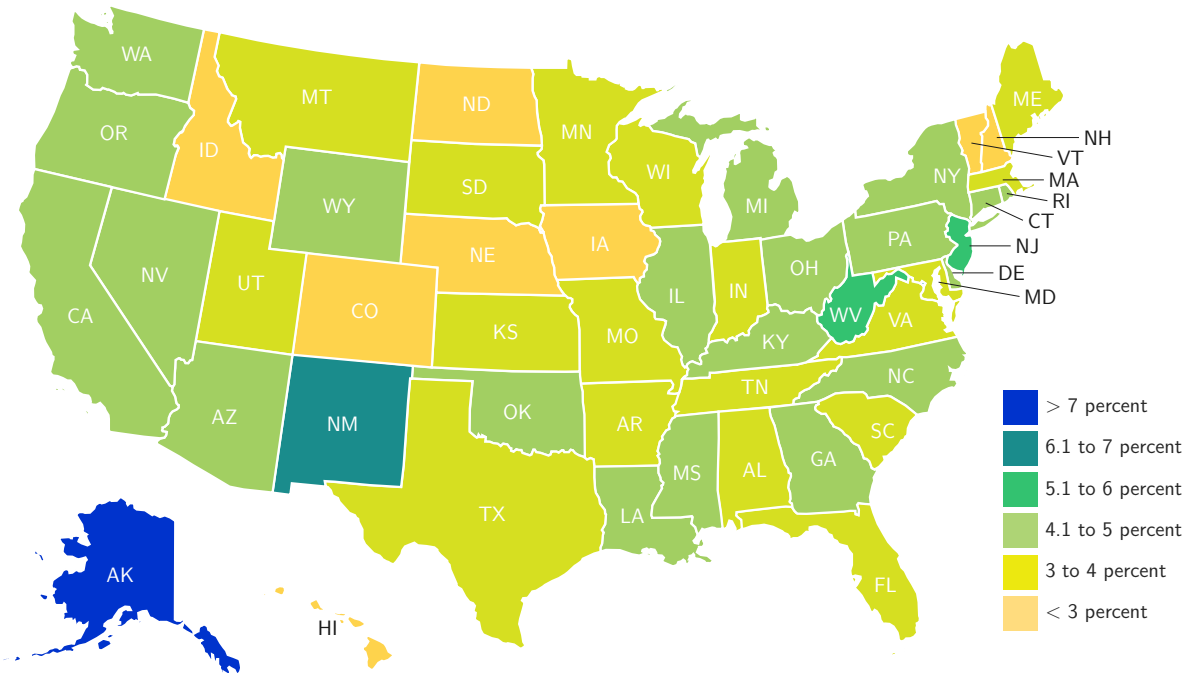
State-level economic indicators

■ Real GDP growth by state in 2017 Q2 (change over previous quarter, annualized)



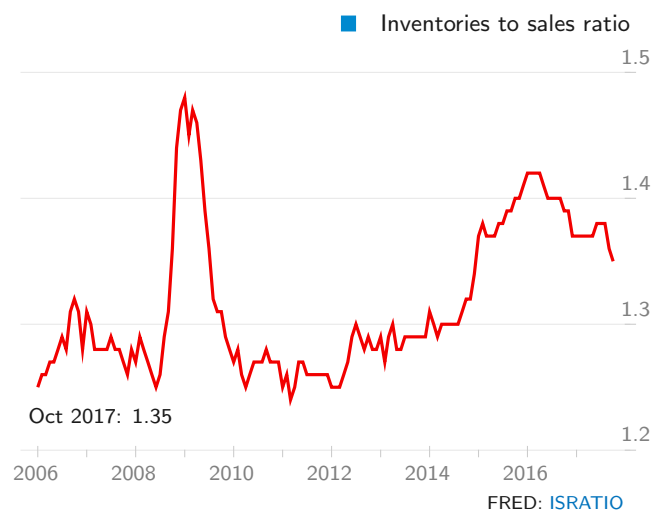
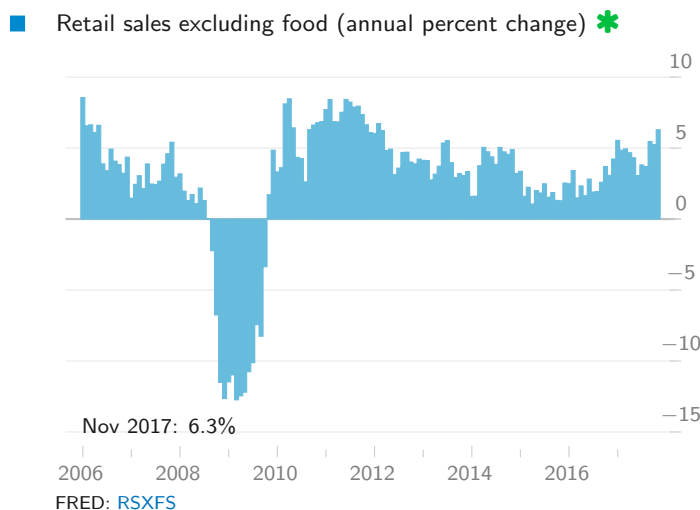
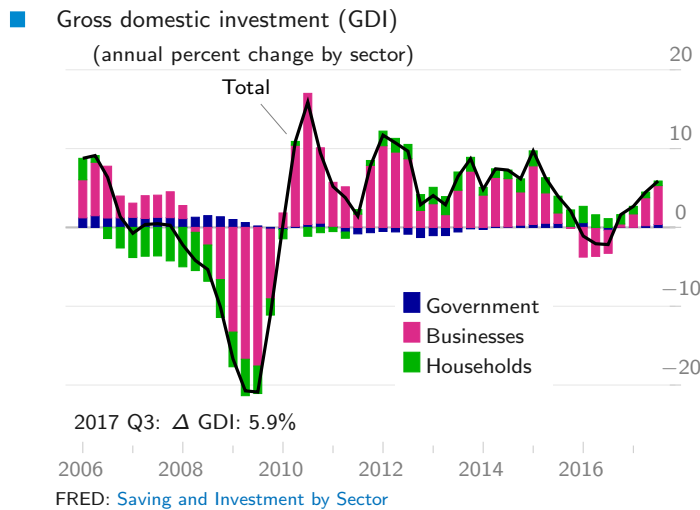
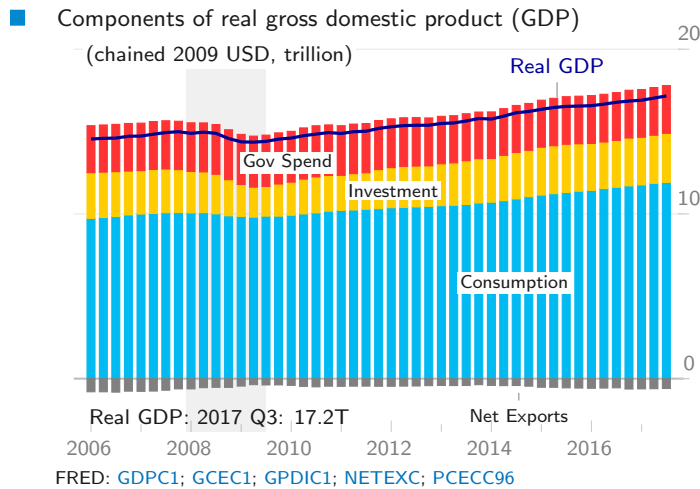
Source: U.S. Bureau of Economic Analysis (BEA), [Regional Economic Accounts: GDP by State](#)

■ Unemployment rate by state (November 2017)



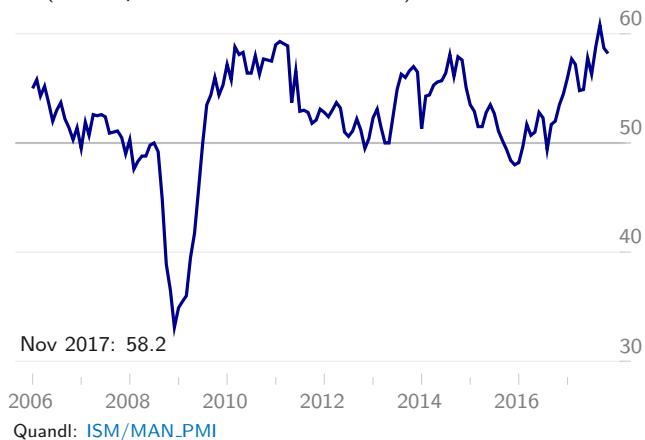
Source: U.S. Bureau of Labor Statistics (BLS), [Local Area Unemployment Statistics \(LAUS\)](#)

## Macroeconomic Indicators: Overview

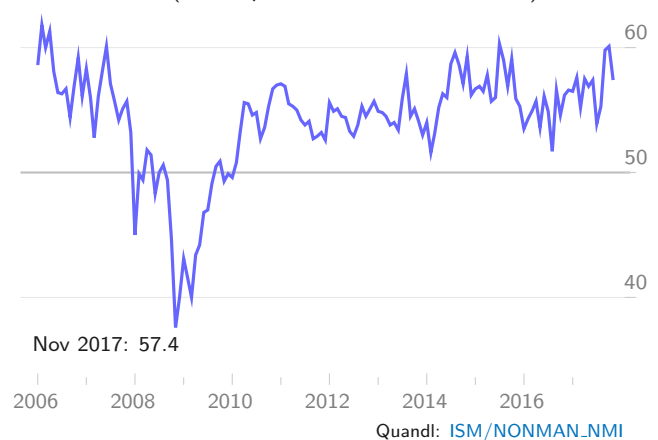


## Macroeconomic Indicators: Businesses

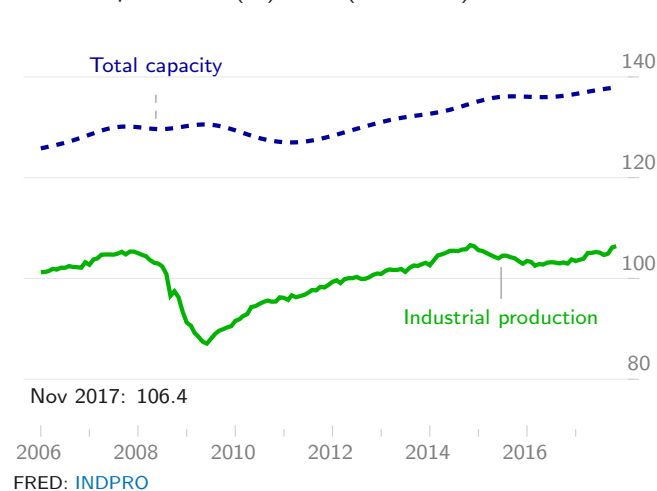
■ ISM manufacturing purchasing managers' index  
(>50 improvement; <50 deterioration)



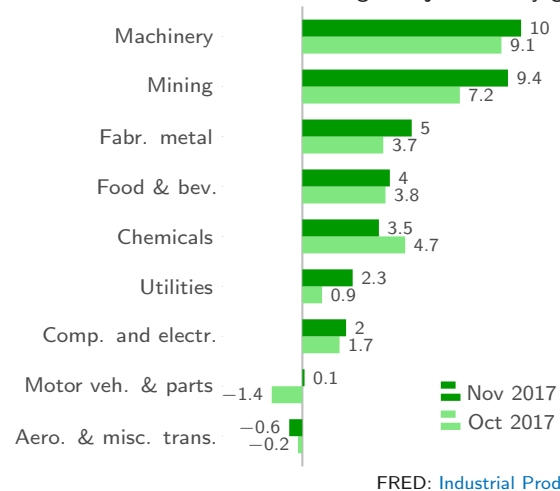
■ ISM non-manufacturing business activity index  
(>50 improvement; <50 deterioration)



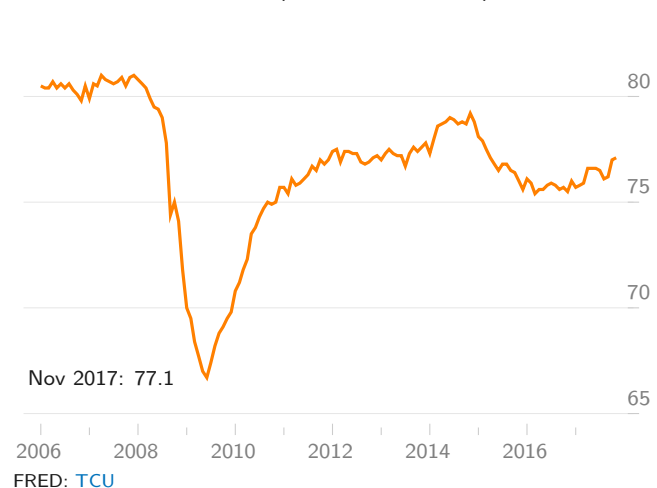
■ Industrial production (IP) index (2012=100) \*



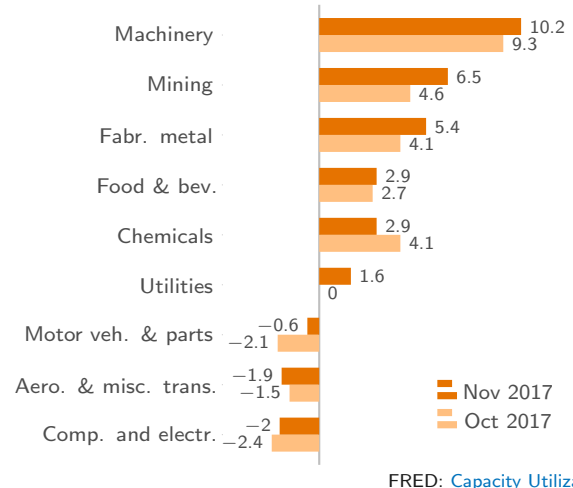
■ IP index change, major industry groups



■ Total capacity utilization (percent of capacity)



■ Capacity utilization change, major industry groups



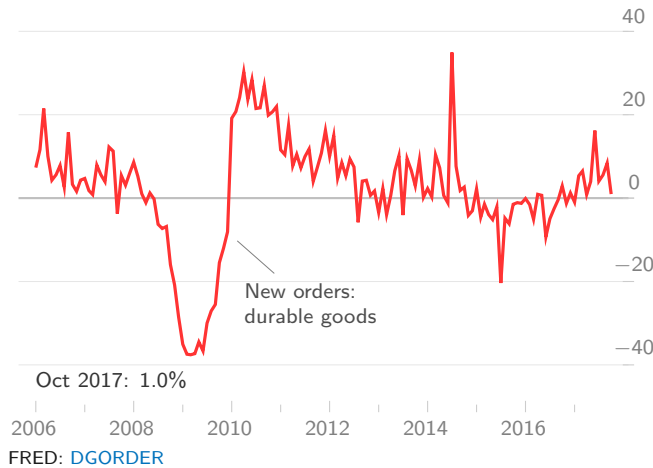
■ Real nonresidential fixed investment  
(annual percent change by type)



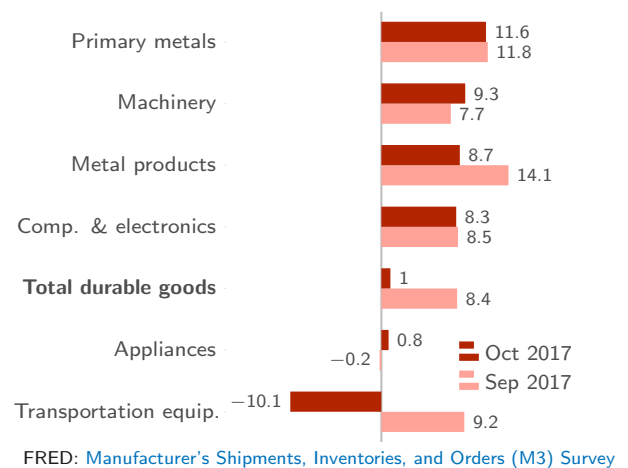
■ Destination of corporate profits (percent of GDP)



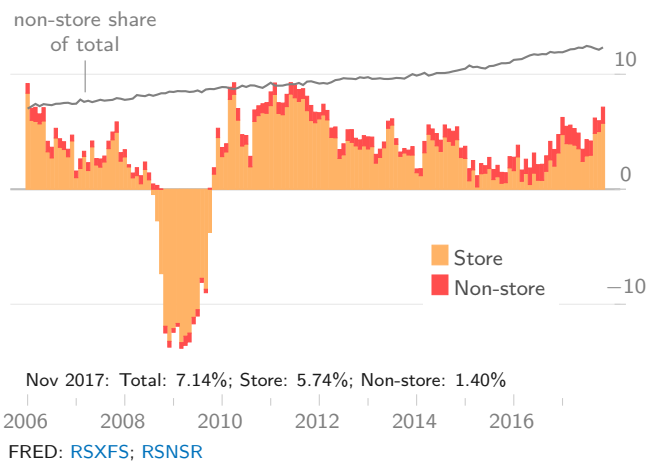
■ Durable goods new orders (annual percent change) \*



■ Durable goods new orders by category



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

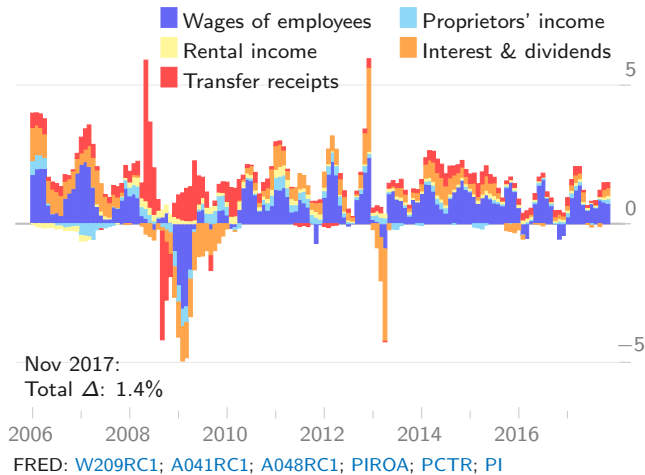


■ FRBSF tech pulse index (2000=100)

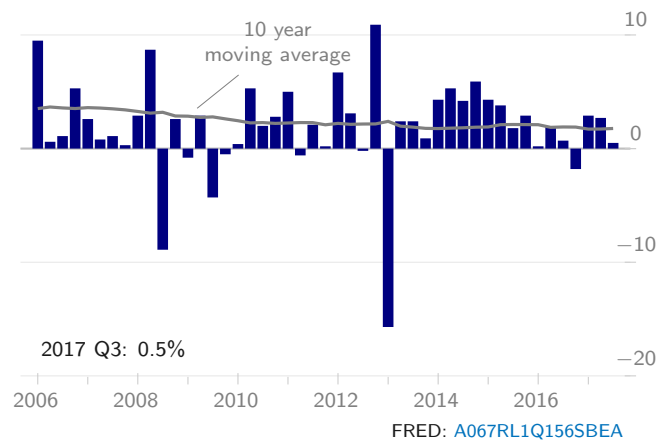


## Macroeconomic Indicators: Households

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



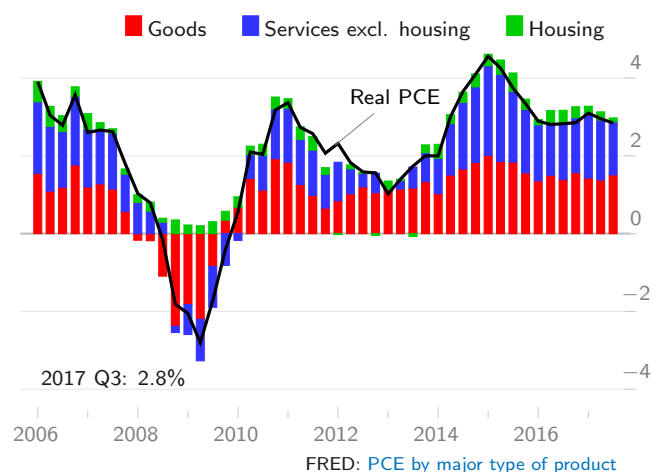
### Real disposable personal income (annual percent change) \*



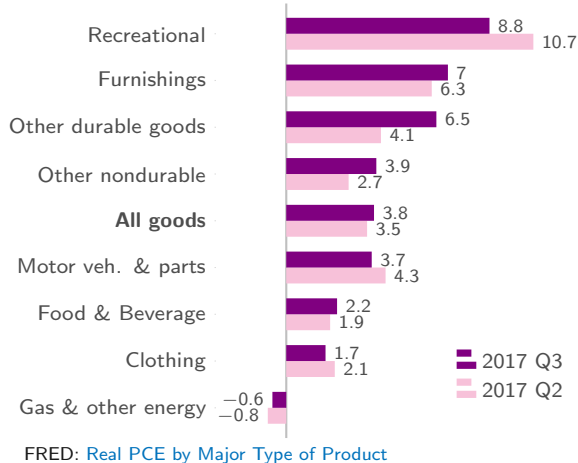
### Personal consumption expenditure (PCE) (percent of GDP)



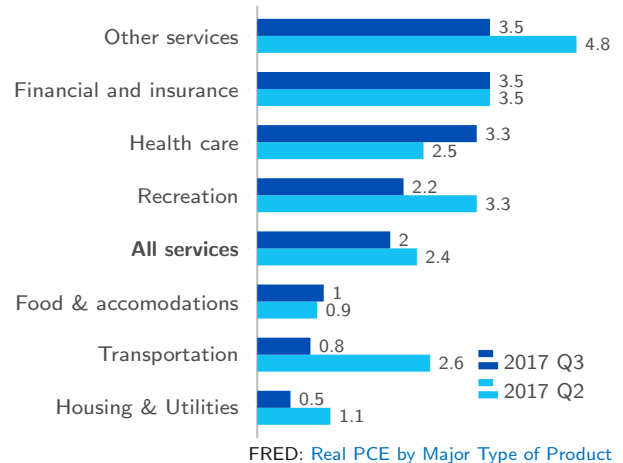
### Real PCE by category (annual percent change) \*



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

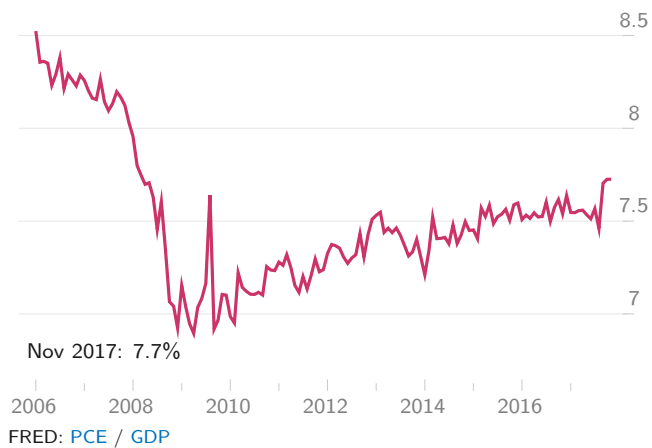


### Real PCE on services by type (annual percent change)

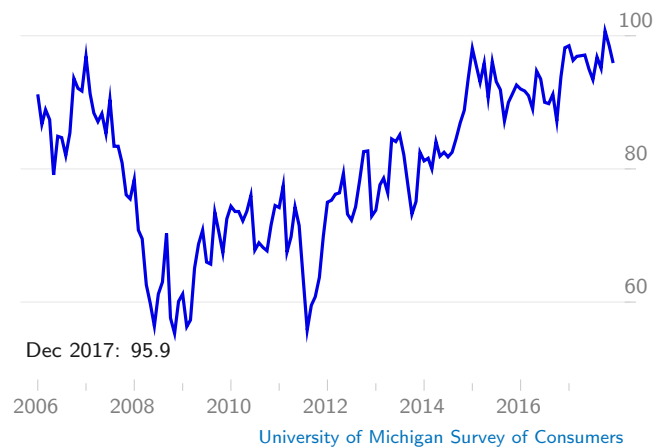


## Macro and Markets Dashboard: United States

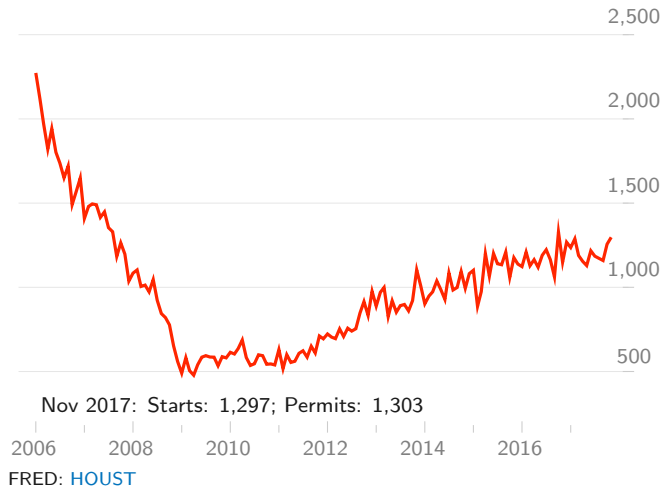
■ PCE on durable goods (percent of GDP) \*



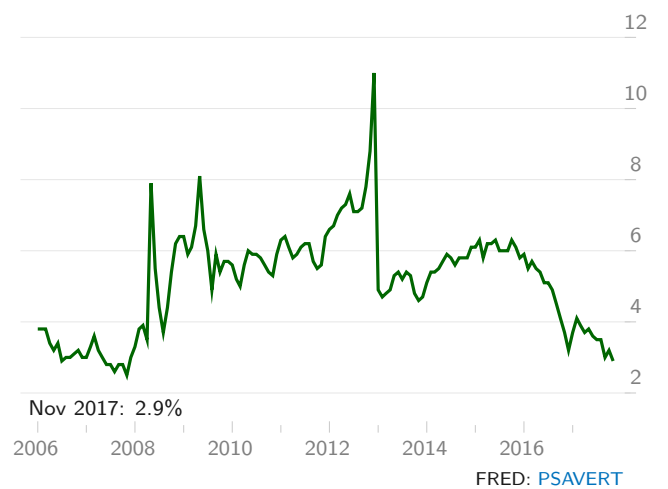
■ University of Michigan consumer sentiment index



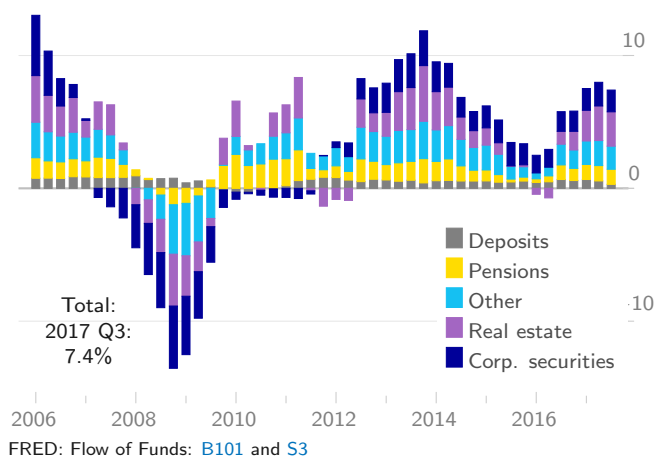
■ New housing starts (thousands of units)



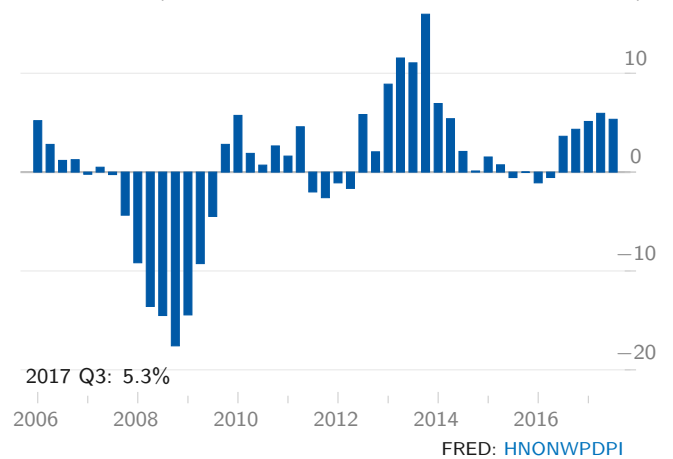
■ Personal savings rate (percent of disposable income)



■ Household and nonprofits assets (annual growth rate)



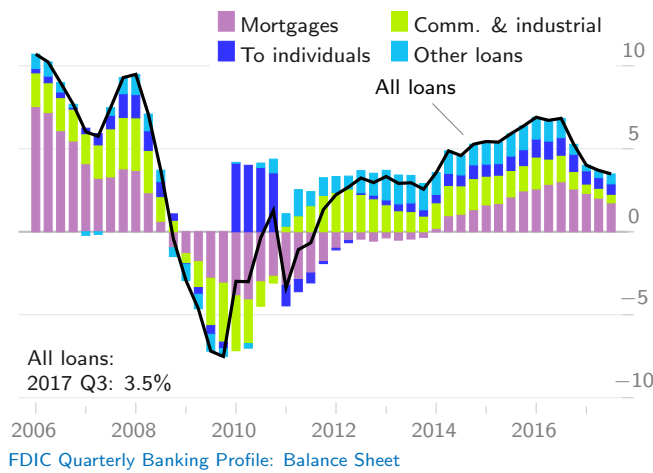
■ Net wealth as percent of gross disposable income (households and nonprofits, annual percent change)



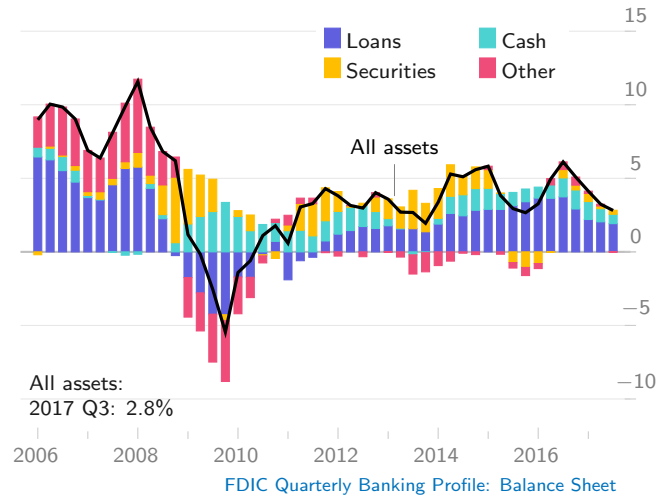


## Depository Corporations

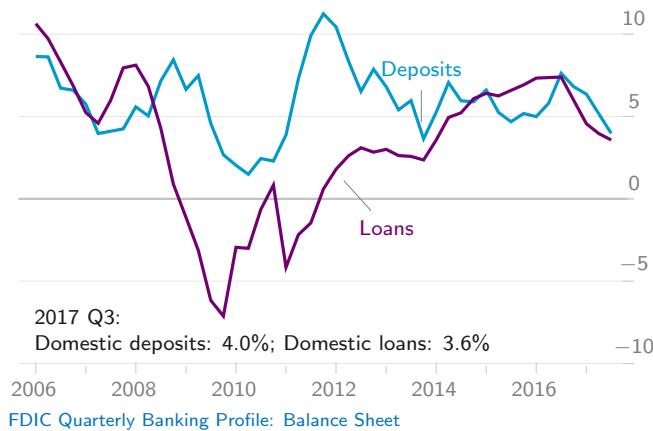
Value of bank loans by loan type (annual percent change)



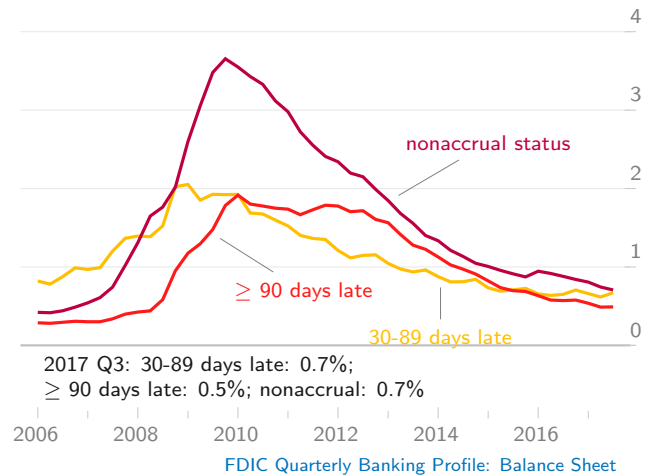
Bank assets by major type (annual percent change)



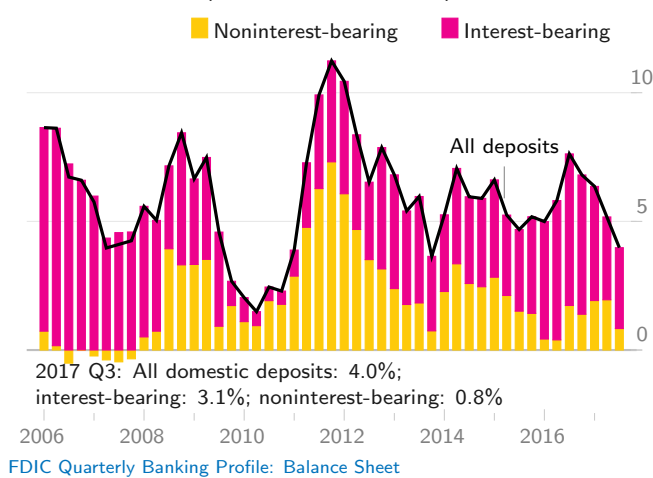
Domestic loans and deposits (annual percent change)



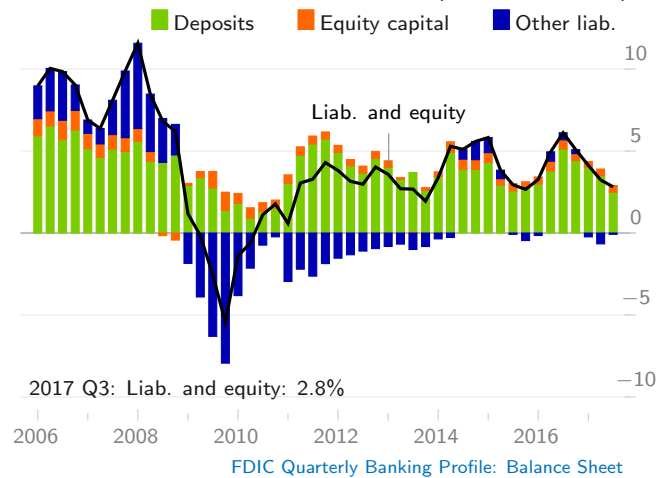
Noncurrent loans (share of total loans)



Domestic deposits (annual percent change)

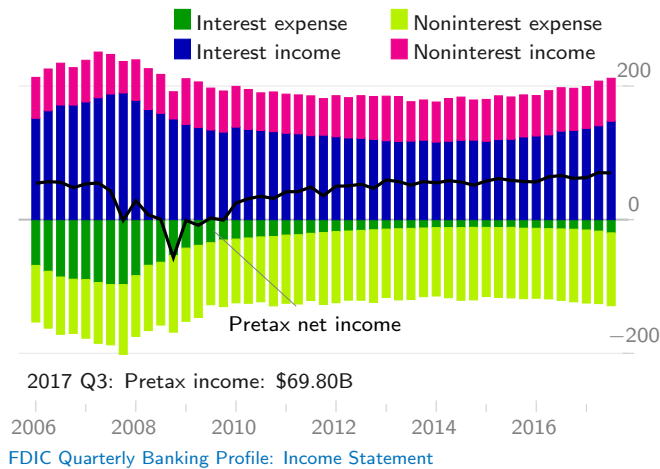


Bank liabilities and equity capital (annual % change)



# Macro and Markets Dashboard: United States

## Bank income and expense (USD billions)



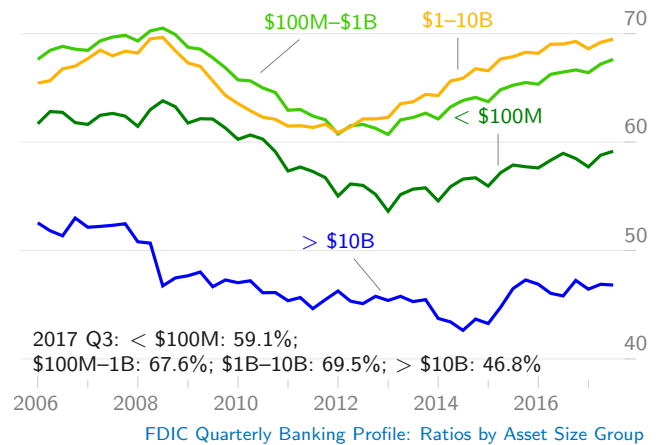
## Bank return on equity (ROE)



## Noncurrent rate by loan type \*

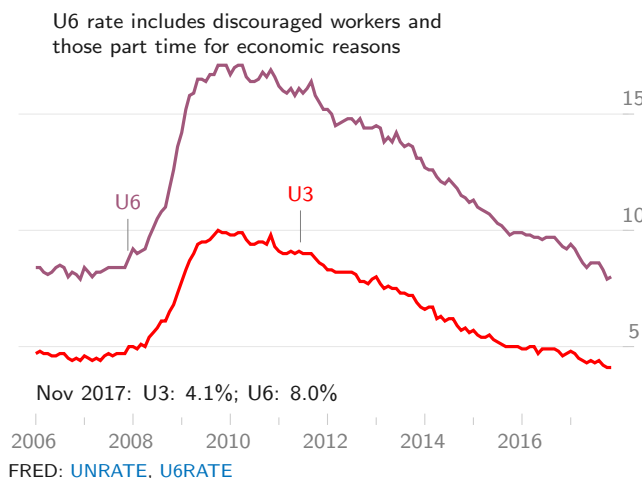


## Loans to assets ratio by total bank assets (percent of loans)

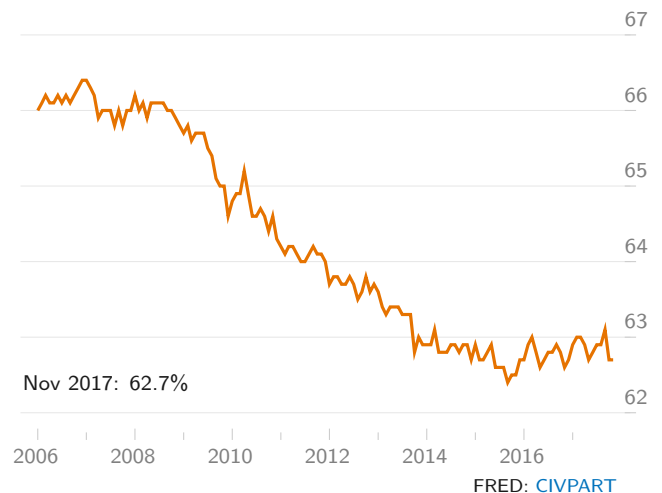


## Labor Markets

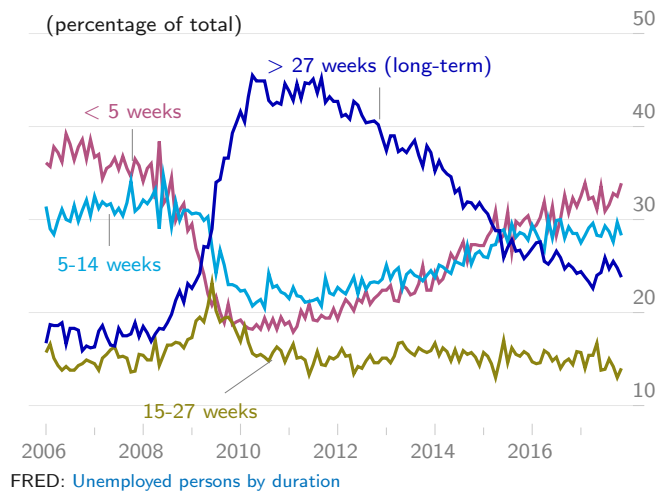
### Civilian unemployment rates (U-3 and U-6) \*



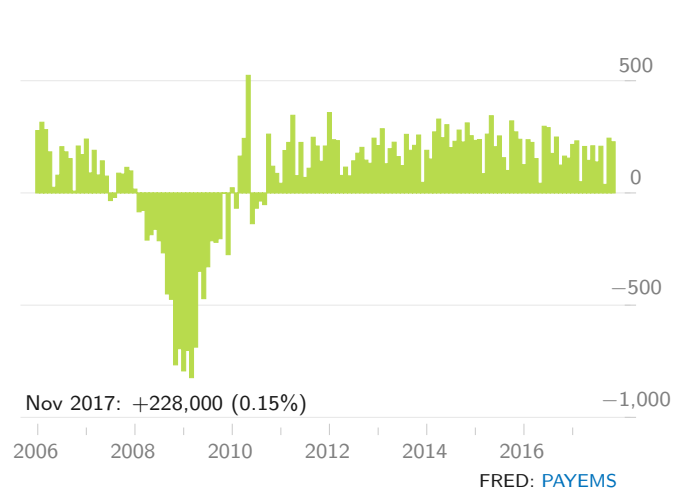
### Labor force participation rate



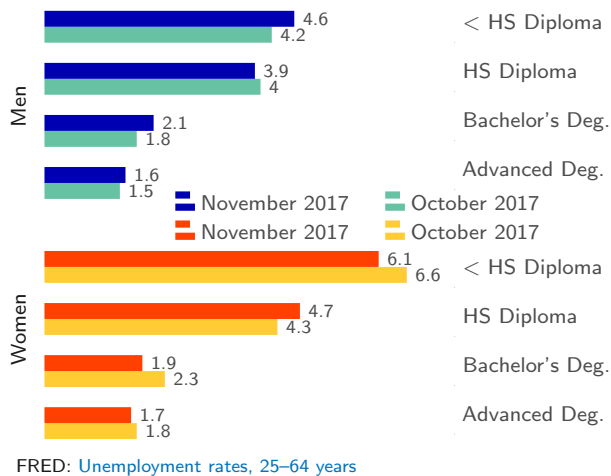
## ■ Share of unemployed by duration (percentage of total)



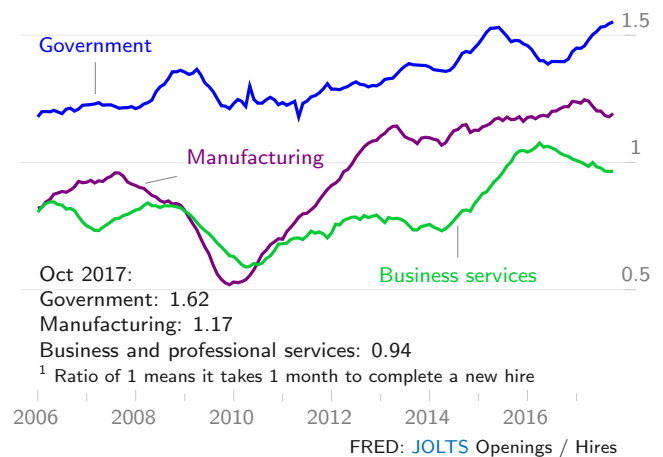
## ■ Nonfarm payrolls (monthly job growth, thousands) \*



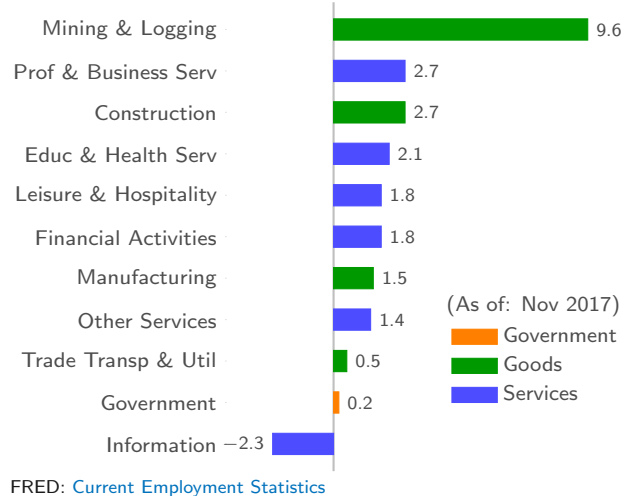
## ■ Unemployment rate by gender and education level



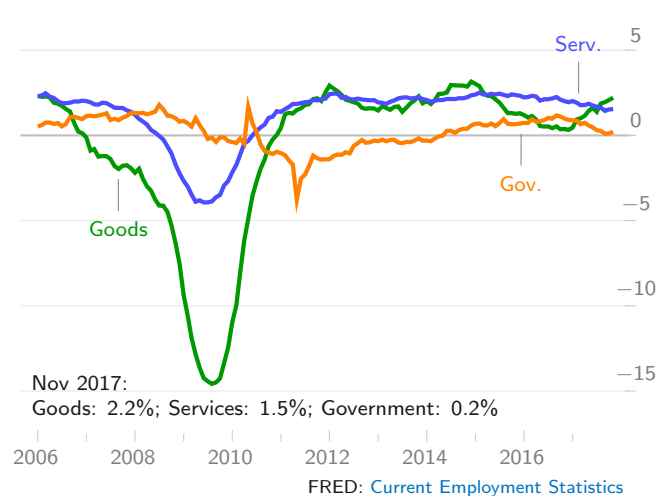
## ■ Job openings per hire, ratio by sector<sup>1</sup> (plots show 1-yr moving average)



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

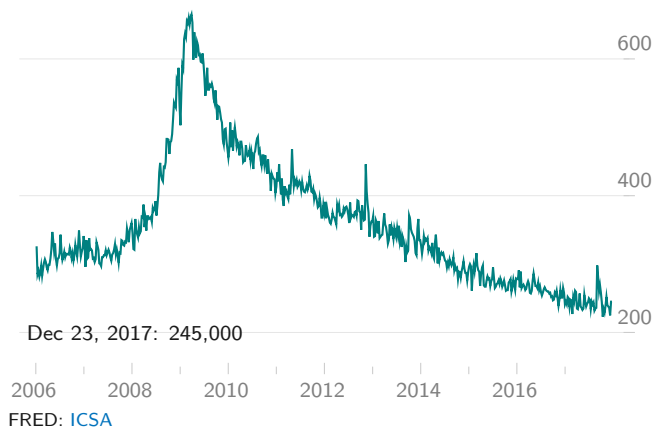


## ■ Payrolls (annual percent change by major category)

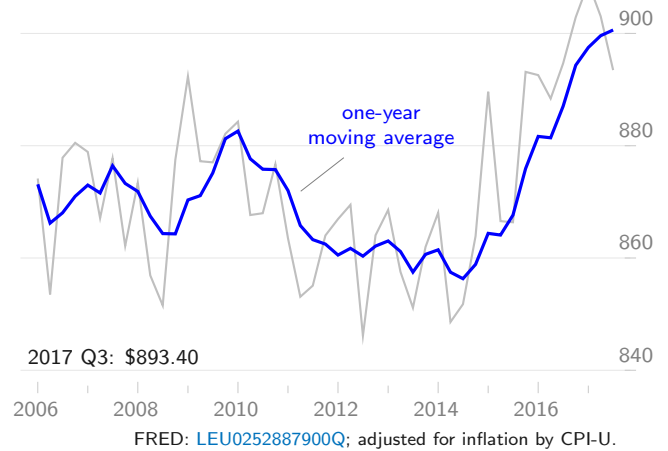


## Macro and Markets Dashboard: United States

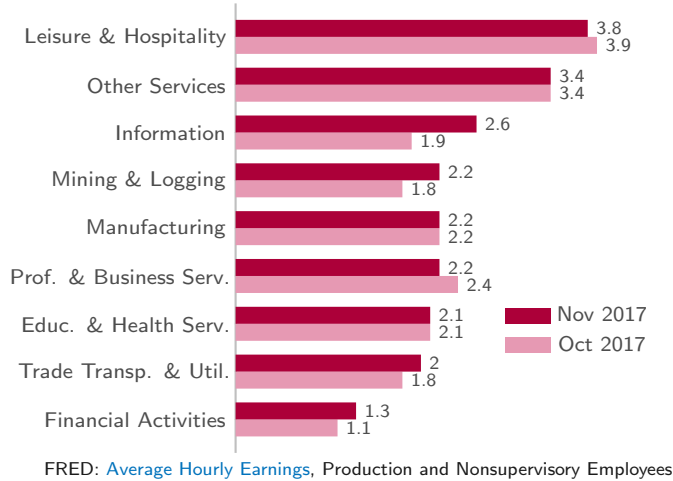
■ New jobless claims (weekly, thousands)



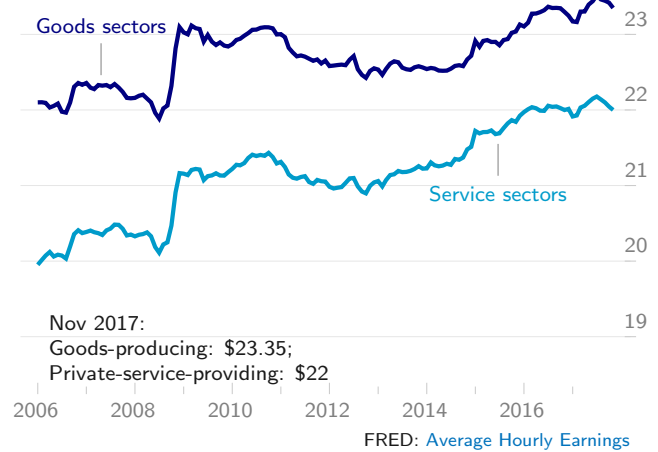
■ Real median weekly earnings (current dollars)  
(full-time employees age 25-54)



■ Nominal average hourly wage growth (annual percent change)



■ Real average hourly wages (in 2017 U.S. Dollars)  
(production and nonsupervisory workers)



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

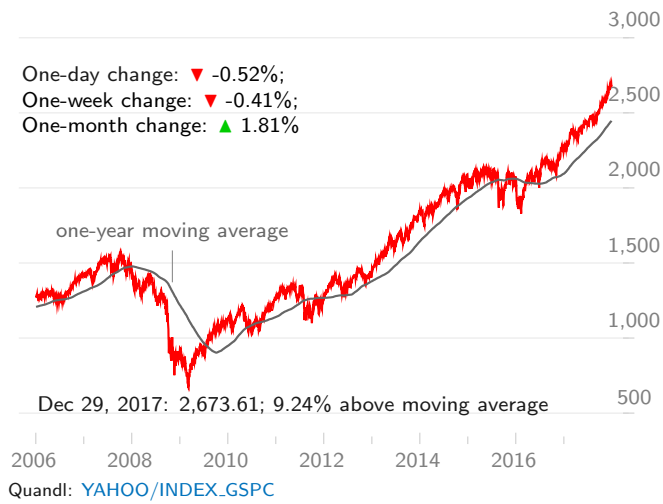


■ Labor share of output (index, 2005=100)

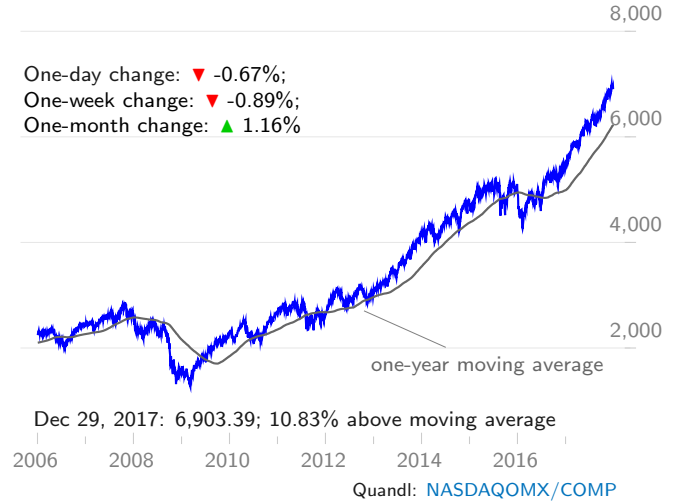


## Equity Markets

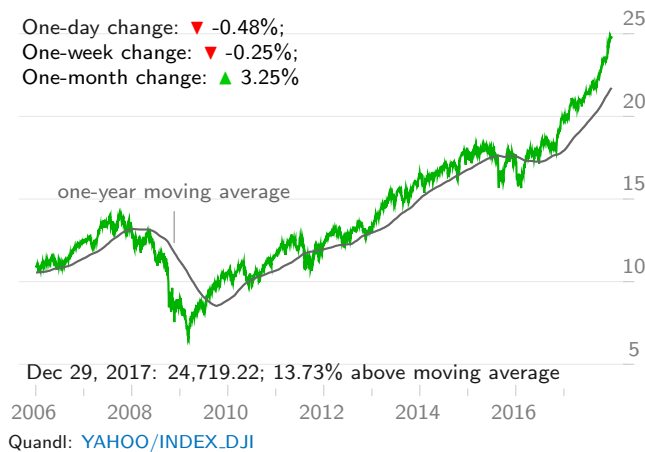
### S&P 500



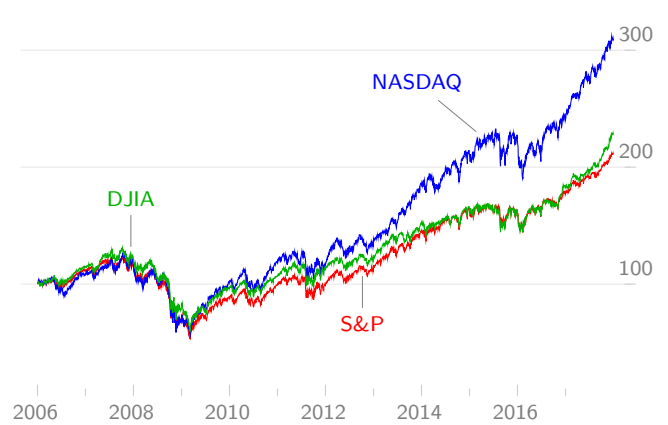
### NASDAQ Composite Index



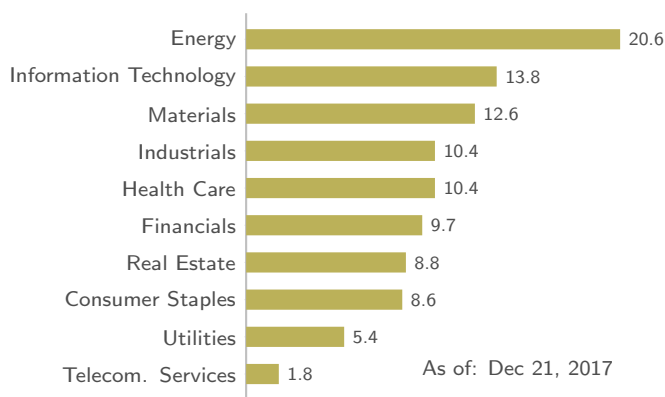
### Dow Jones Industrial Average (thousands)



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

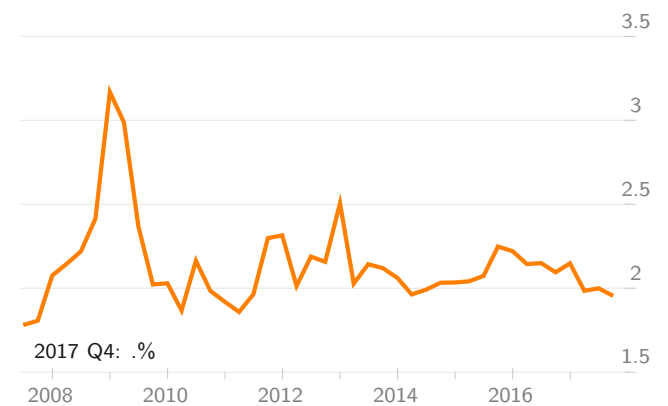


### S&P 500 five-year growth forecast by sector



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

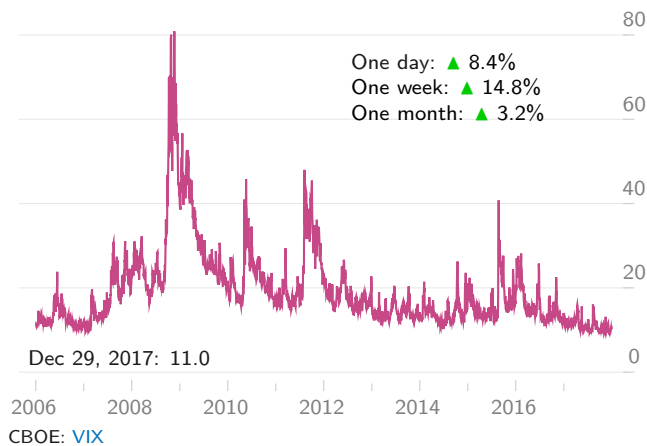
### S&P 500 dividend yield (percent)



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

## 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 \*

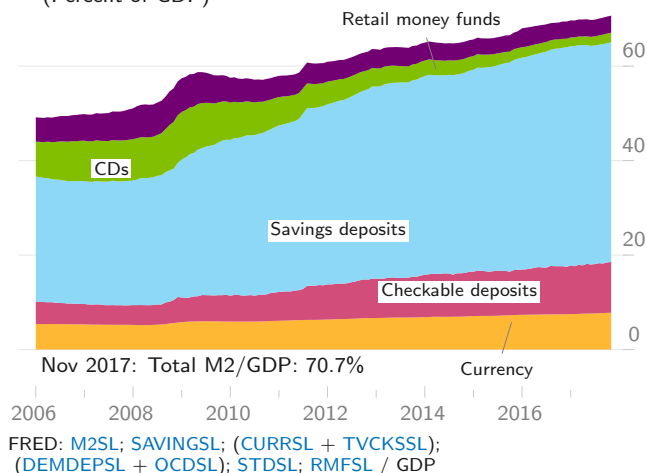


### Fed excess reserves of depository corporations (USD billion)



### Components of the M2 money supply

(Percent of GDP)



### Average rate of return on M2



■ Treasury bond real yield by maturity



Quandl: [USTREASURY/REALYIELD](#)

■ 2- and 10-year treasury constant maturity rates



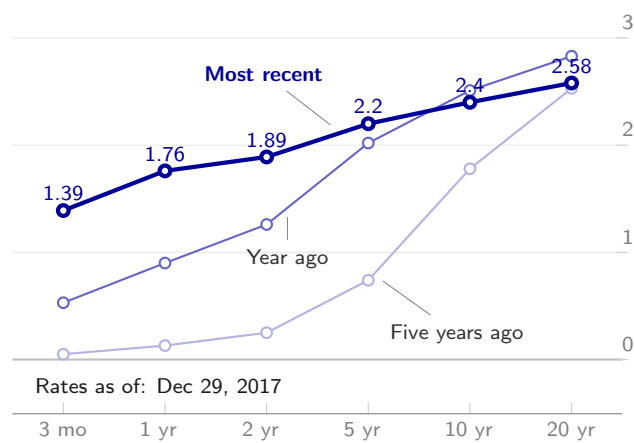
Quandl: [USTREASURY/YIELD](#)

■ 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: [BAMLC0A1CAAAY](#)

■ Corporate bonds high yield (effective yield)



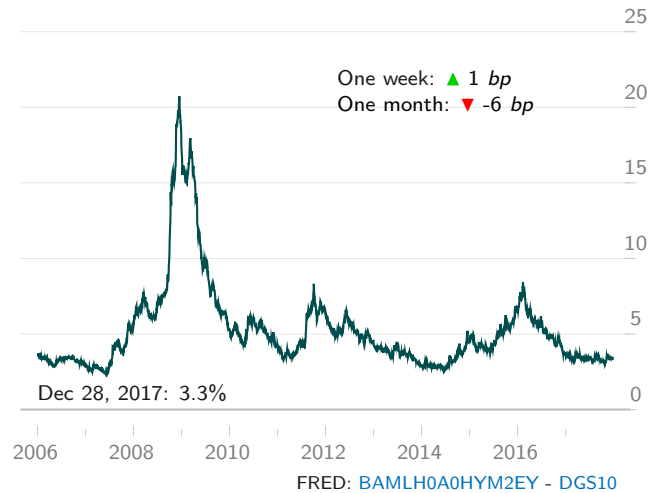
FRED: [BAMLH0A0HYM2EY](#)

## Macro and Markets Dashboard: United States

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



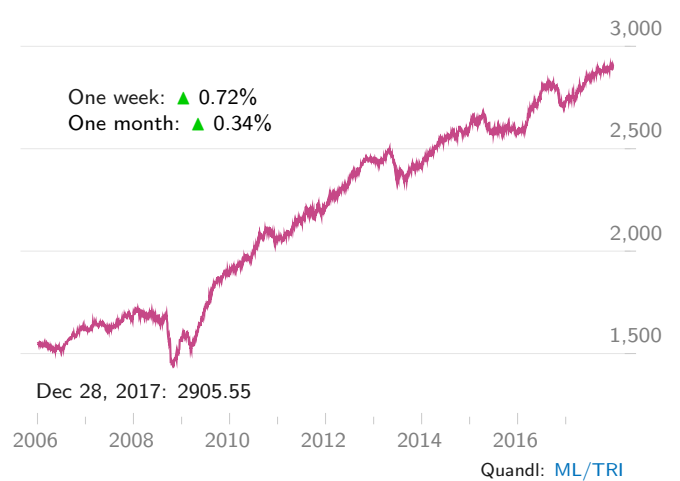
### ■ ... high yield spread over 10-year treasury



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

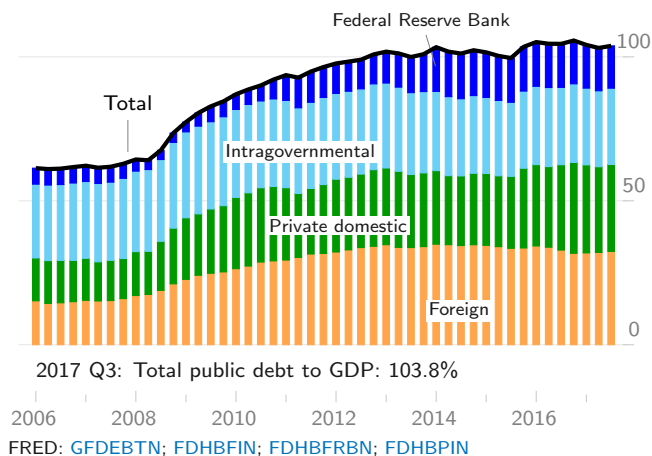


### ■ Corporate bonds total return index

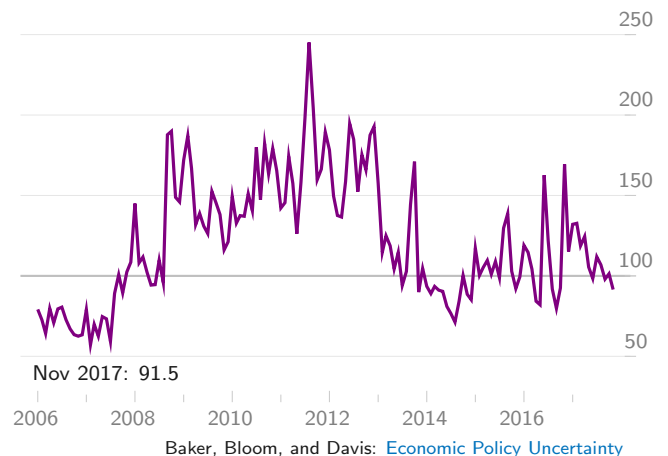


## Government and Policy

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



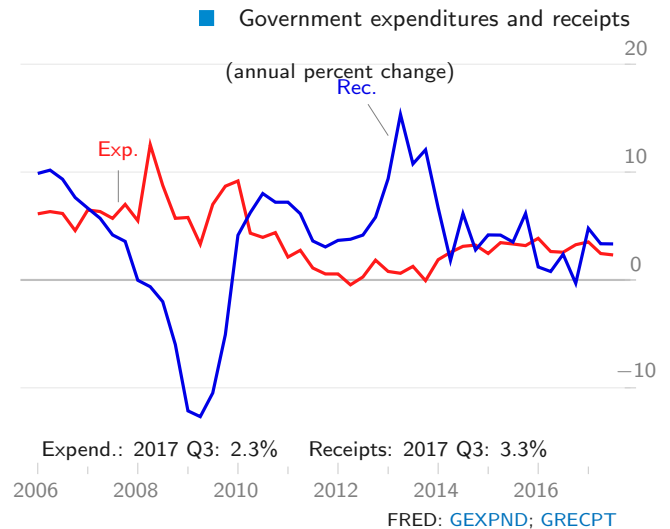
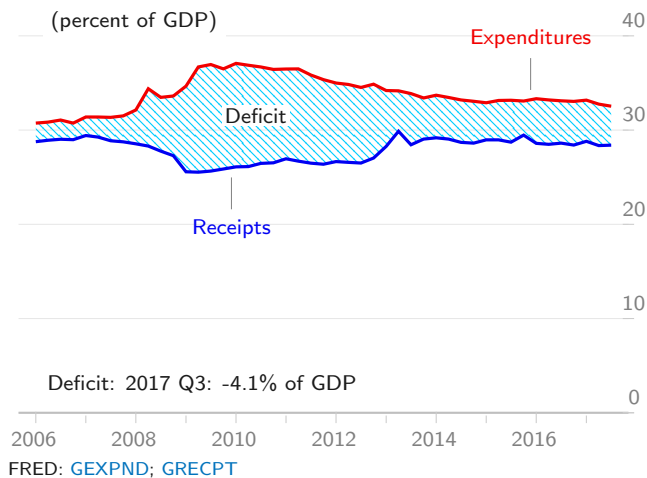
### ■ Economic policy uncertainty index



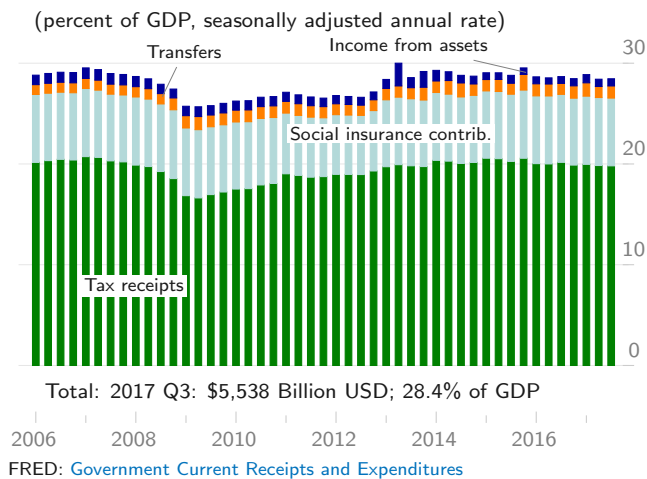


# Macro and Markets Dashboard: United States

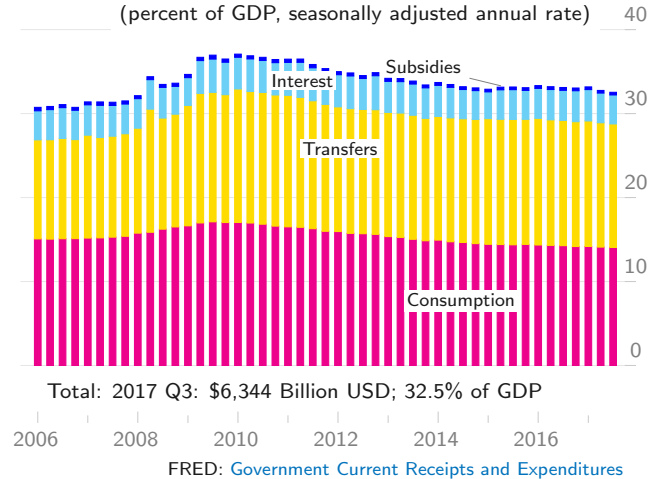
## Government expenditures and receipts \*



## Government current receipts by type

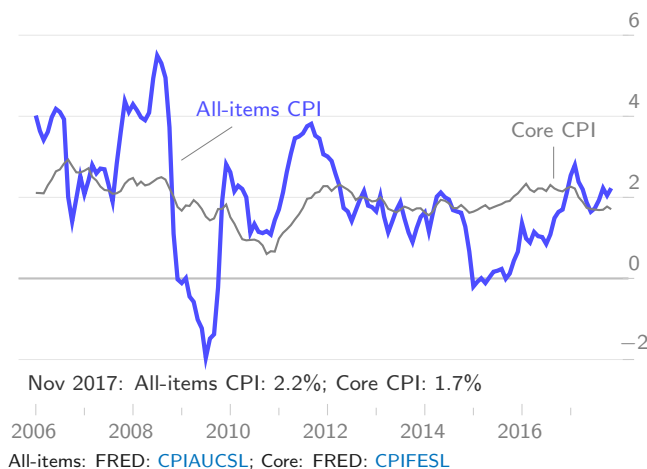


## Government current expenditures by type

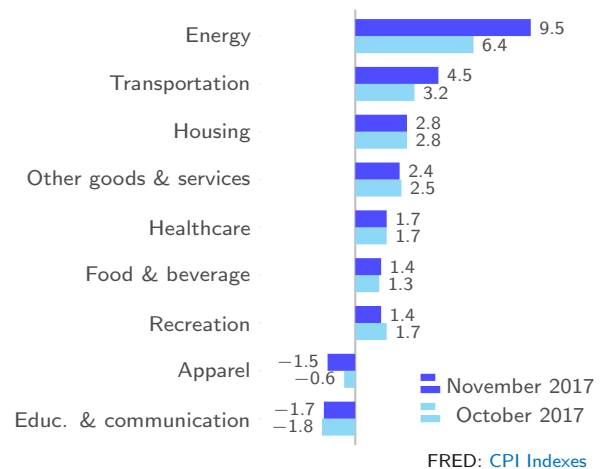


## Prices

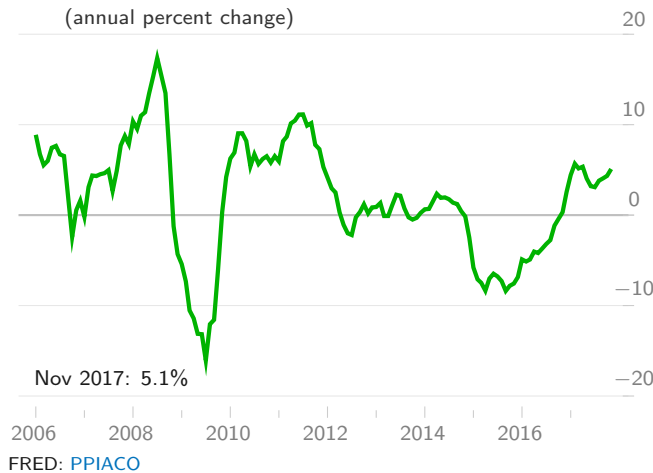
## Consumer price index (CPI) (annual percent change) \*



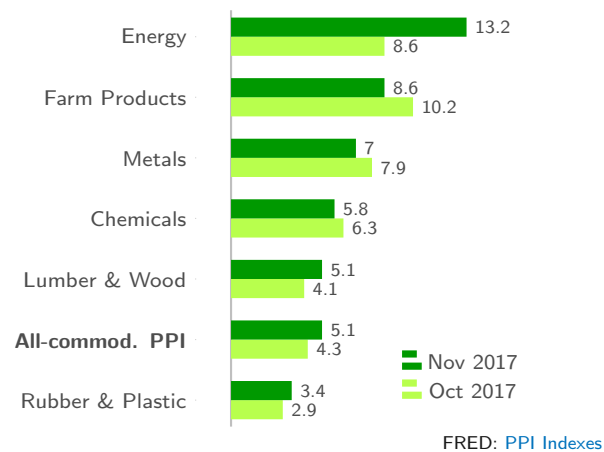
## CPI components (annual percent change)



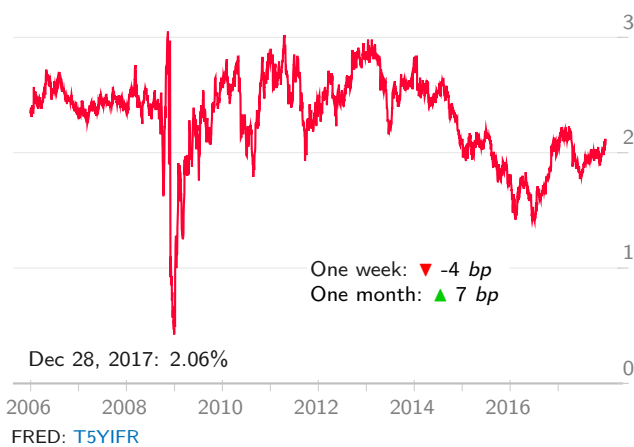
■ Producer price index, all commodities (PPIACO)  
(annual percent change)



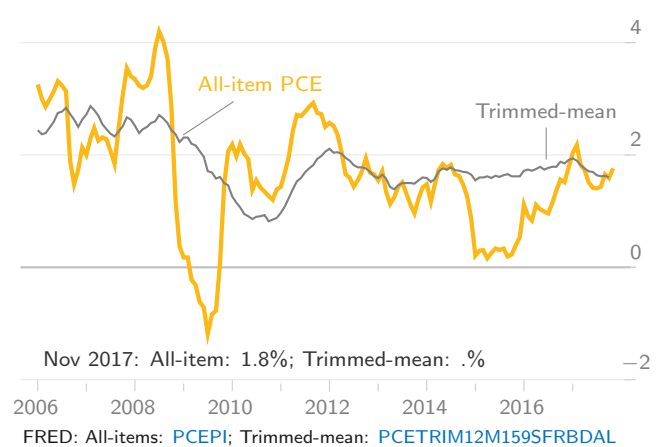
■ PPIACO selected components (annual percent change)



■ 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)

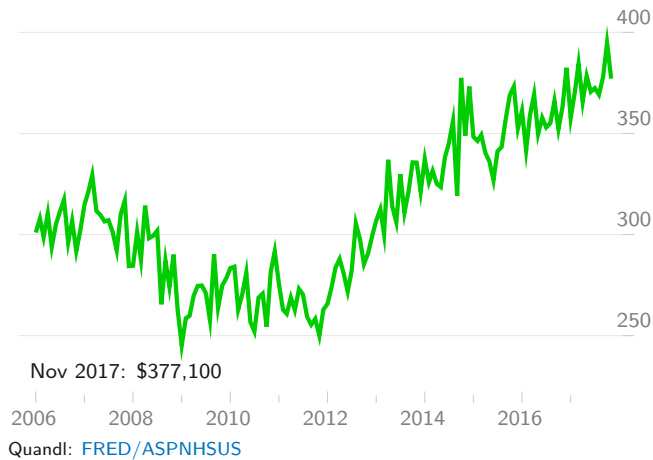


■ PPI growth: metals (annual percent change)



# Macro and Markets Dashboard: United States

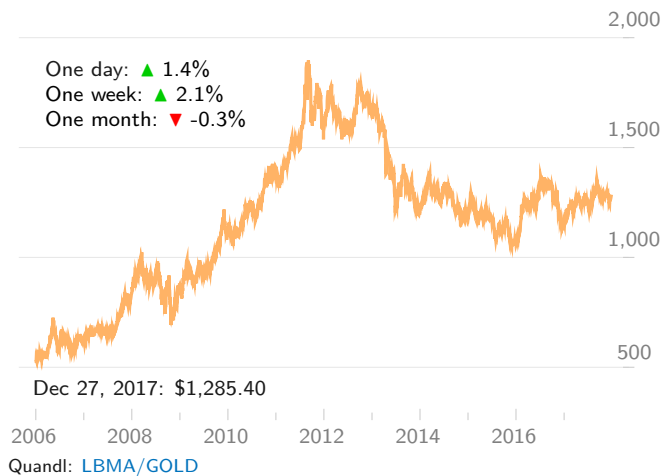
■ Average sales price for new houses (thousands of USD)



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



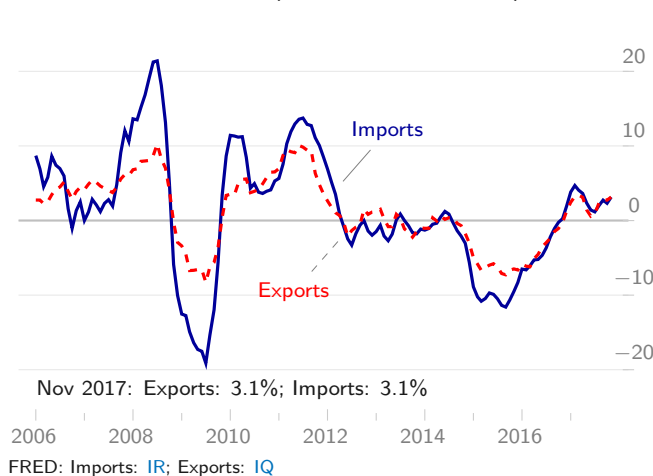
■ Gold price (USD per ounce)



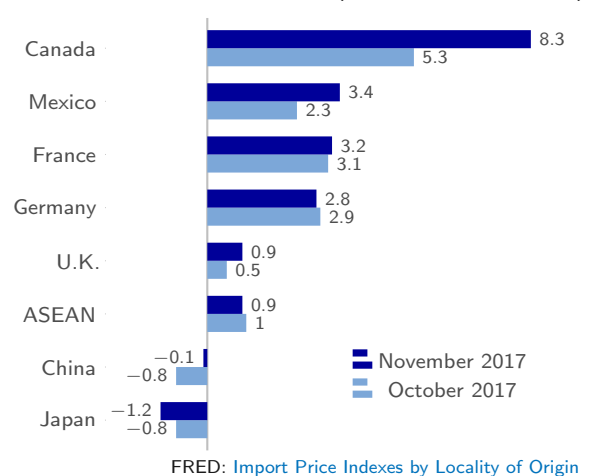
■ Silver price (USD per ounce)



■ Export and import prices (annual percent change)

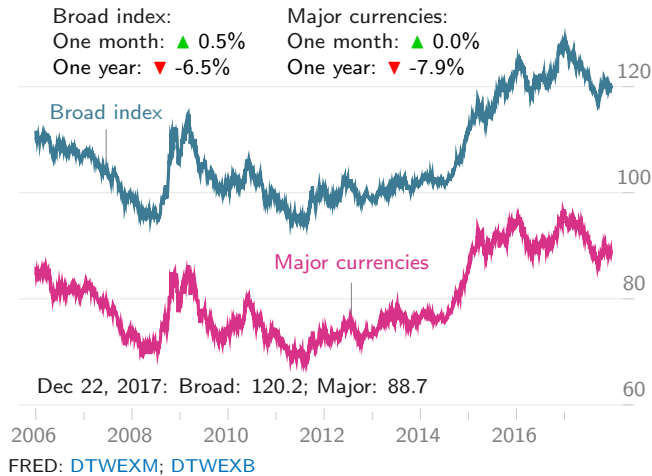


■ Import prices by locality of origin (annual percent change)

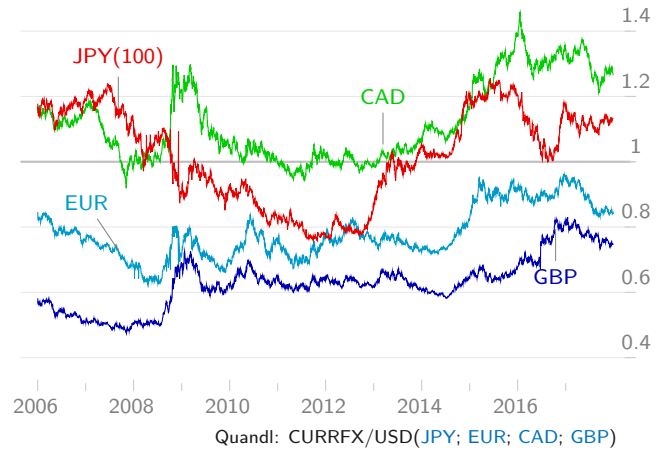


## Trade and External Sector Indicators

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



### Indirect exchange rates (USD-CUR) (Units required to purchase one USD)



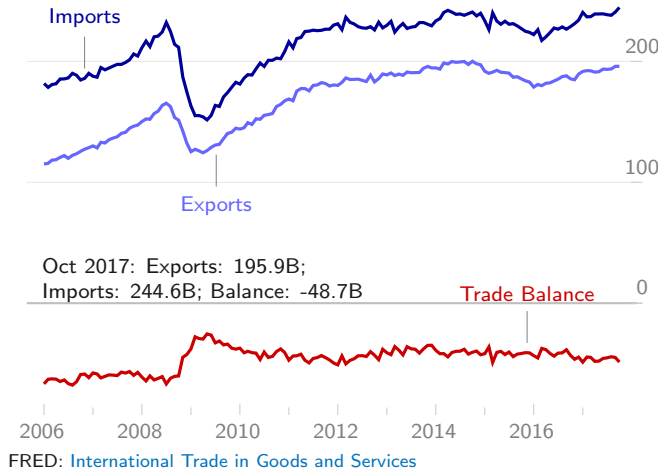
### Current account balance components (% of GDP) \*



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



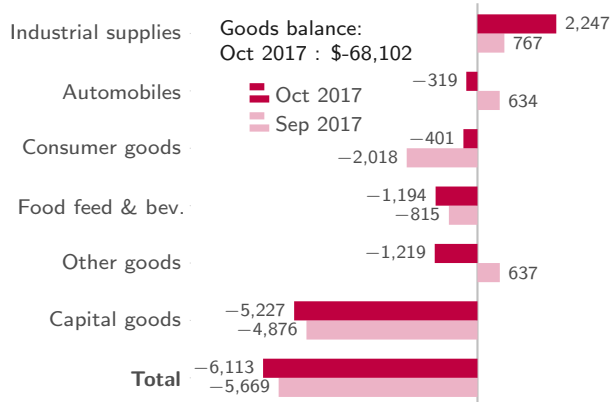
### Imports, exports, and trade balance (USD billion)



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

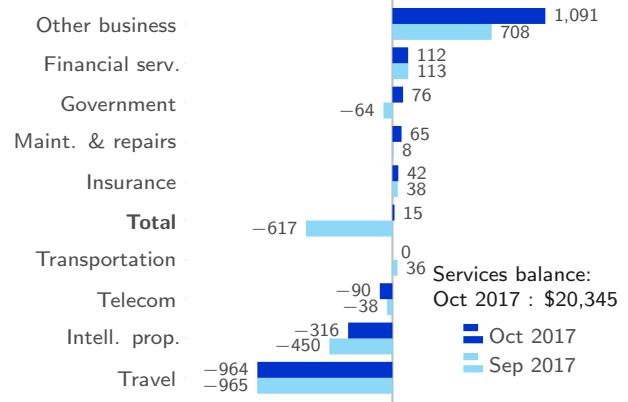


## Net exports of goods (USD, millions, one-year change)



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

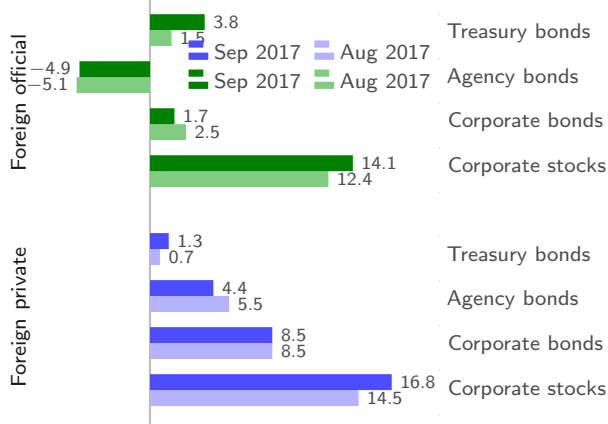
## Net exports of services (USD, millions, one-year change)



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

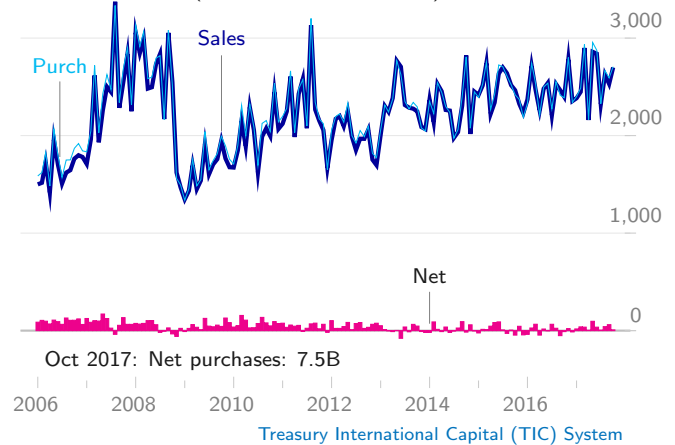
## Capital Flows

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

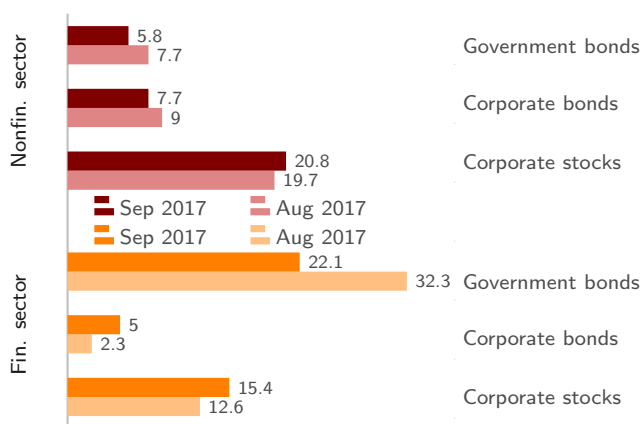


Treasury International Capital (TIC) System

### Foreign purchases and sales of U.S. securities (in billions of U.S. dollars)

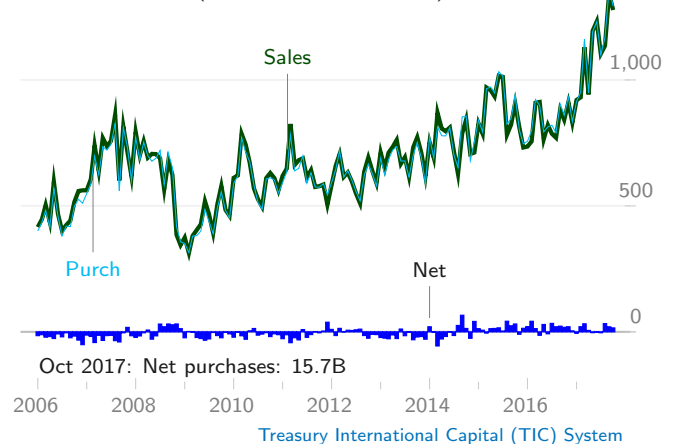


### U.S. holdings of foreign securities (annual % change)












Treasury International Capital (TIC) System

### U.S. purchases and sales of foreign securities (in billions of U.S. dollars)



## 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:
 <b>EUR</b>	0.840	▼ -0.36	▼ -0.19	▲ 0.03	▼ -13.82	0.960	0.831	2017-12-28
 <b>GBP</b>	0.746	▼ -0.22	▼ -0.24	▼ -0.61	▼ -9.20	0.831	0.736	2017-12-28
 <b>JPY</b>	113.217	▲ 0.01	▼ -0.02	▲ 1.81	▼ -3.51	117.630	108.231	2017-12-28
 <b>CAD</b>	1.265	▼ -0.29	▼ -1.40	▼ -0.86	▼ -6.97	1.375	1.211	2017-12-28
 <b>MXN</b>	19.708	▼ -0.85	▲ 2.45	▲ 5.81	▼ -4.66	21.921	17.490	2017-12-28
 <b>AUD</b>	1.286	▼ -0.57	▼ -1.34	▼ -2.20	▼ -8.26	1.393	1.241	2017-12-28
 <b>CNY</b>	6.555	▲ 0.18	▼ -0.38	▼ -0.62	▼ -6.00	6.957	6.485	2017-12-28
 <b>CHF</b>	0.986	▼ -0.40	▼ -0.04	▲ 0.46	▼ -4.15	1.028	0.945	2017-12-28
 <b>NZD</b>	1.414	▼ -0.53	▼ -0.76	▼ -2.16	▼ -2.69	1.470	1.329	2017-12-28
 <b>SEK</b>	8.265	▼ -1.01	▼ -1.53	▼ -0.29	▼ -11.33	9.221	7.919	2017-12-28
 <b>NOK</b>	8.262	▼ -0.56	▼ -1.73	▲ 1.40	▼ -5.12	8.712	7.729	2017-12-28
 <b>DKK</b>	6.256	▼ -0.36	▼ -0.18	▲ 0.08	▼ -13.63	7.137	6.186	2017-12-28
 <b>RUB</b>	57.742	▲ 0.18	▼ -1.66	▼ -1.20	▼ -5.90	61.758	55.780	2017-12-28
 <b>HKD</b>	7.811	▲ 0.01	▼ -0.13	▲ 0.14	▲ 0.66	7.826	7.753	2017-12-28
 <b>SGD</b>	1.340	▼ -0.27	▼ -0.25	▼ -0.50	▼ -7.86	1.451	1.339	2017-12-28
 <b>TWD</b>	29.935	0.00	▼ -0.14	▼ -0.17	▼ -7.65	32.437	29.879	2017-12-28
 <b>TRY</b>	3.815	▲ 0.21	▼ -0.18	▼ -2.36	▲ 7.83	3.964	3.403	2017-12-28
 <b>KRW</b>	1073.550	▼ -0.14	▼ -0.60	▼ -1.54	▼ -11.69	1209.840	1073.550	2017-12-28
 <b>ZAR</b>	12.252	▼ -1.92	▼ -3.90	▼ -12.22	▼ -14.28	14.382	12.252	2017-12-28
 <b>BRL</b>	3.313	▲ 0.11	▲ 0.51	▲ 2.62	▲ 1.12	3.369	3.056	2017-12-28
 <b>INR</b>	64.115	▲ 0.14	▲ 0.23	▼ -0.50	▼ -5.70	68.316	63.641	2017-12-28
 <b>ILS</b>	3.470	▼ -0.50	▼ -0.62	▼ -0.84	▼ -9.80	3.859	3.470	2017-12-28
 <b>EGP</b>	17.808	▲ 0.04	▼ -0.26	▲ 0.59	▼ -5.57	18.950	15.700	2017-12-28
 <b>IDR</b>	13558.000	▲ 0.04	▼ -0.11	▲ 0.35	▲ 0.85	13643.000	13105.000	2017-12-28
 <b>THB</b>	32.780	▲ 0.06	▲ 0.21	▲ 0.50	▼ -9.67	35.990	32.482	2017-12-28
 <b>MYR</b>	4.079	▼ -0.09	▲ 0.18	▼ -0.68	▼ -9.65	4.496	4.060	2017-12-28
 <b>ARS</b>	18.433	▲ 0.61	▲ 3.75	▲ 6.09	▲ 15.62	18.433	15.114	2017-12-28
 <b>COP</b>	2916.500	▼ -0.20	▼ -1.42	▼ -0.97	▼ -2.76	3094.250	2821.500	2017-12-28
 <b>CLP</b>	616.000	▼ -0.41	▼ -0.57	▼ -3.47	▼ -9.33	678.300	607.830	2017-12-28

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

<sup>1</sup> The number of units of foreign currency required to purchase one U.S. dollar. ▲: stronger dollar; ▼: weaker dollar.

► Contact: **Brian Dew** |  [brianwdew@gmail.com](mailto:brianwdew@gmail.com) |  [bd-econ.com](http://bd-econ.com) |  [@bd\\_econ](https://twitter.com/bd_econ)