

# Macro and Markets Dashboard: United States

Updated: March 29, 2017



## Key Indicators

|              |           |  | over prev. | as of:   |
|--------------|-----------|--|------------|----------|
| Real GDP     | 16.8T     |  | 1.9%       | 2016 Q4  |
| Unemp. rate  | 4.7%      |  | -0.1       | Feb 2017 |
| Inflation    | 2.8%      |  | 0.3        | Feb 2017 |
|              |           |  |            |          |
|              |           |  | one week   | one mo.  |
| S&P 500      | 2,358.57  |  | 0.6%       | -0.5%    |
| DJIA         | 20,701.50 |  | 0.2%       | -0.7%    |
| NASDAQ       | 5,875.14  |  | 1.4%       | 0.2%     |
| VIX          | 11.53     |  | -7.5%      | -4.6%    |
| 2-yr t-bond  | 1.30%     |  | 0.03       | 0.10     |
| 10-yr t-bond | 2.42%     |  | -0.01      | 0.06     |
| Crude oil    | \$48.37   |  | 2.2%       | -10.5%   |
| USD index    | 93.67     |  | -0.5%      | -0.5%    |

chart: data:

## Contents

|                                      |    |
|--------------------------------------|----|
| About the Dashboard                  | 1  |
| High-frequency indicators            | 2  |
| Macroeconomic Indicators: Overview   | 3  |
| Macroeconomic Indicators: Businesses | 4  |
| Macroeconomic Indicators: Households | 6  |
| Depository Corporations              | 8  |
| Labor Markets                        | 9  |
| Equity Markets                       | 12 |
| Money and Interest Rates             | 13 |
| Government and Policy                | 15 |
| Prices                               | 16 |
| Trade and External Sector Indicators | 19 |
| Capital Flows                        | 20 |
| Exchange Rate Table                  | 21 |

## 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

[briandew.wordpress.com](http://briandew.wordpress.com)

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

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

## Chart of the week

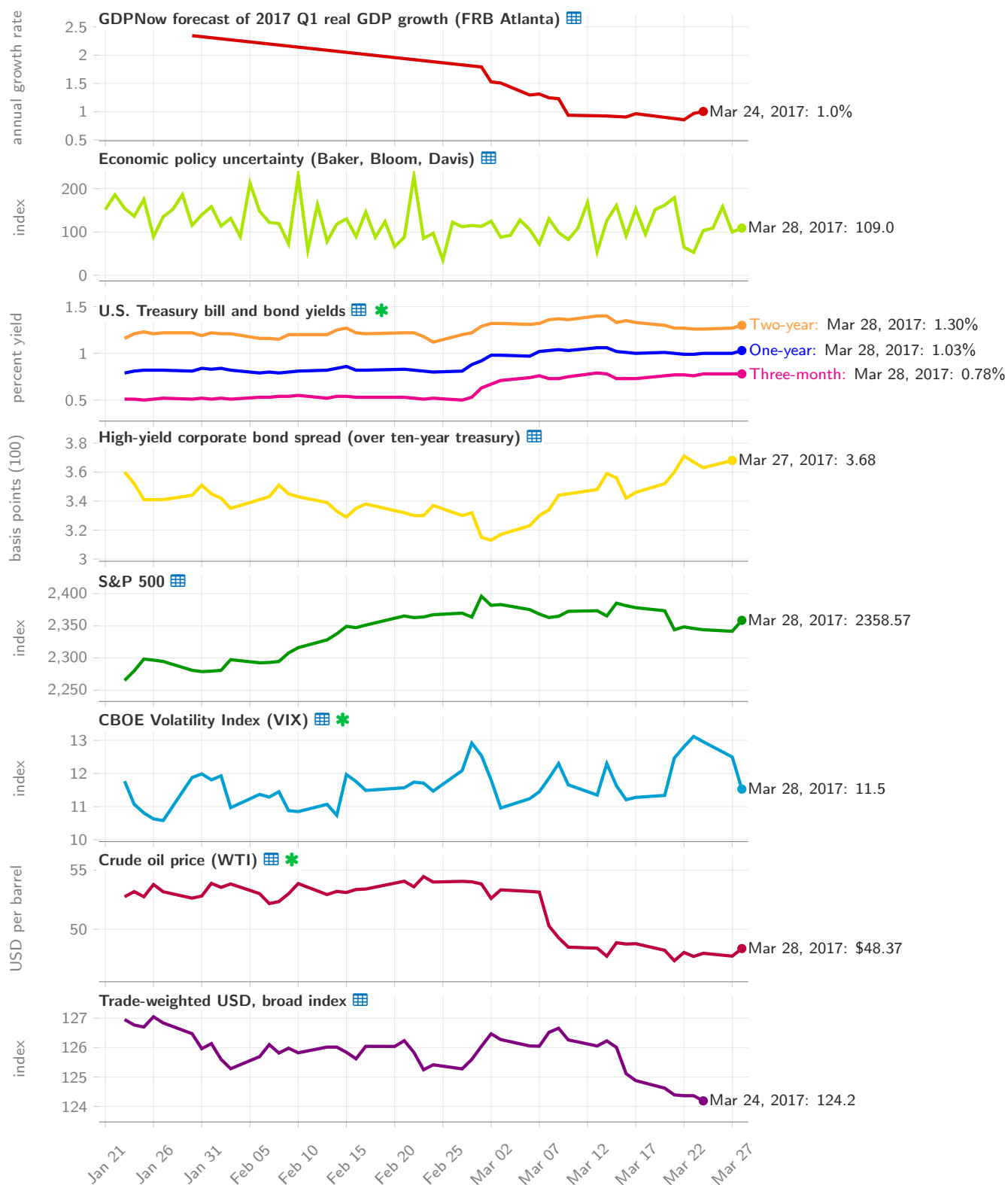
- Advance fourth quarter estimates show rebound in U.S. business investment growth  
(Real nonresidential fixed investment, annual percent change by type)



Source: FRED: [Table 5.3.6. Real Private Fixed Investment by Type, Chained Dollars](#)

While quarterly GDP growth slowed from 3.5% in Q3 to 1.9% in the BEA's advance estimate for 2016 Q4, business investment rebounded. For 2016 as a whole, business investment growth was non-existent, a result of weak earnings growth in some sectors (e.g. mining, energy) and a general corporate preference for returning profits directly to shareholders through buybacks and dividends. By investment type, aggregate equipment investment, shown above in light blue, critically increased in Q4 over its Q3 level, but remains below its 2015 level. In 2017, tax and trade policies, input prices, and consumption behavior will affect corporate profits, which, combined with the cost of capital and perceived future business prospects, will determine investment.

## High-frequency indicators



## Macroeconomic Indicators: Overview

### Components of real gross domestic product (GDP)



### Real GDP growth (annual percent change) \*



### Gross domestic investment (GDI)

(annual percent change by sector)



### Liabilities (annual percent change by sector)



### Retail sales excluding food (annual percent change) \*



### Inventories to sales ratio

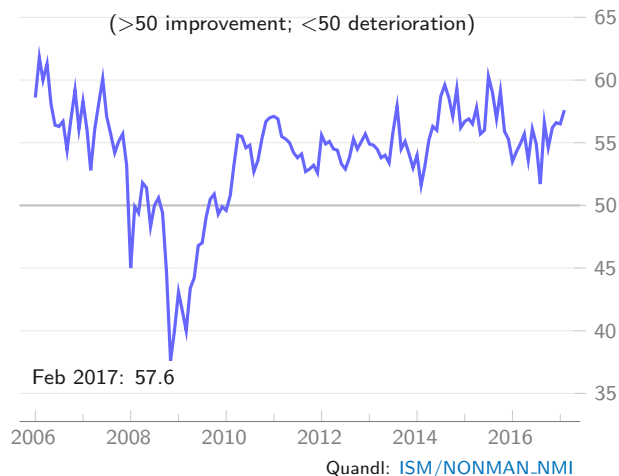


## Macroeconomic Indicators: Businesses

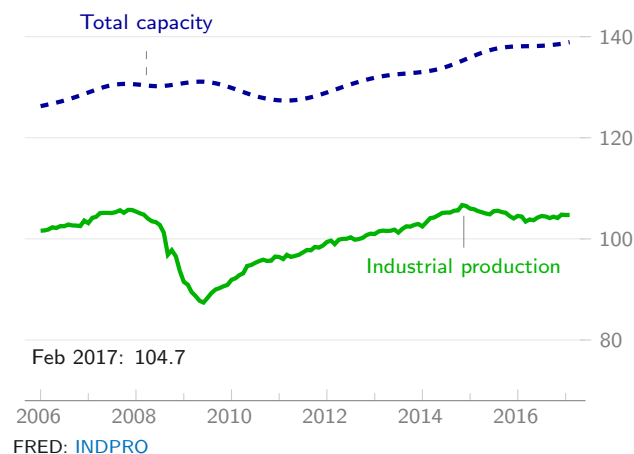
■ ISM manufacturing purchasing managers' index  
(>50 improvement; <50 deterioration)



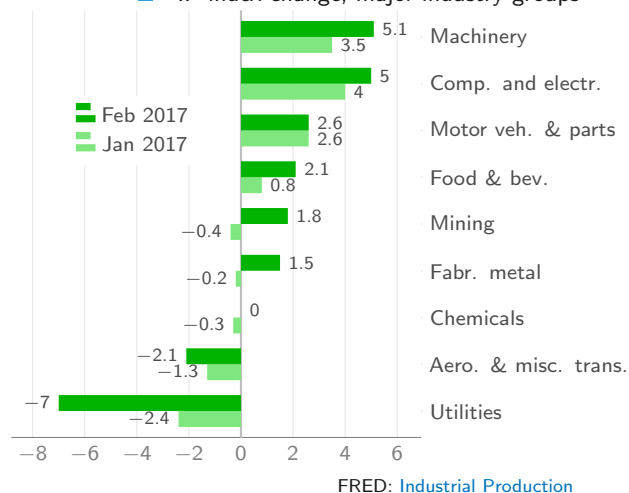
■ ISM non-manufacturing business activity index  
(>50 improvement; <50 deterioration)



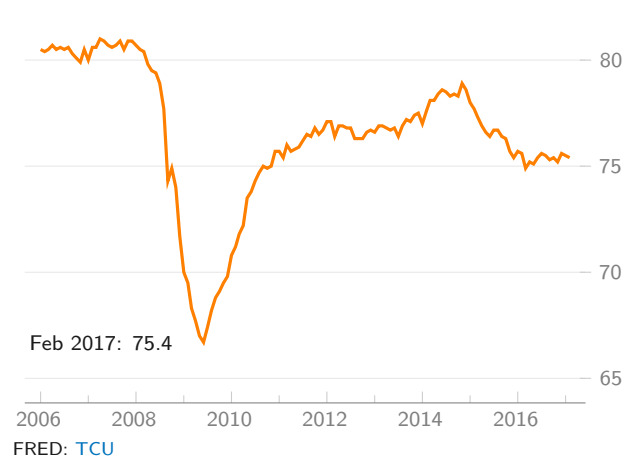
■ Industrial production (IP) index (2012=100) \*



■ IP index change, major industry groups



■ Total capacity utilization (percent of capacity)



■ Capacity utilization change, major industry groups



# Macro and Markets Dashboard: United States

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



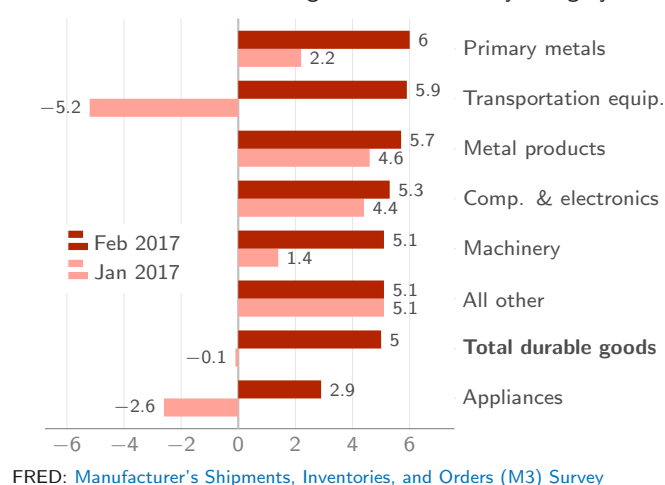
■ Destination of corporate profits (percent of GDP)



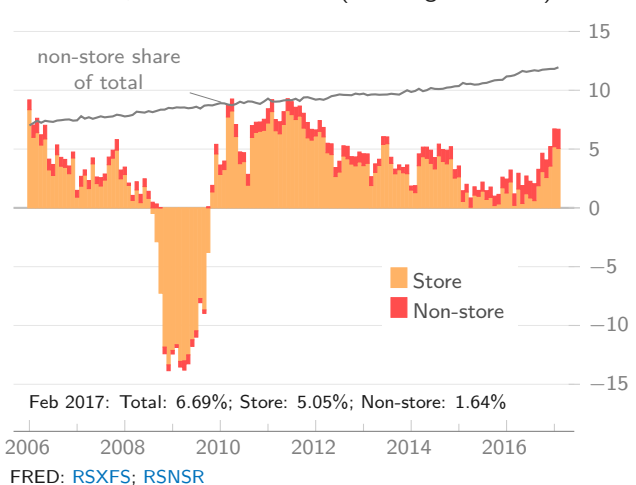
■ Durable goods new orders (annual percent change) \*



■ 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 \*



### 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)



## 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)

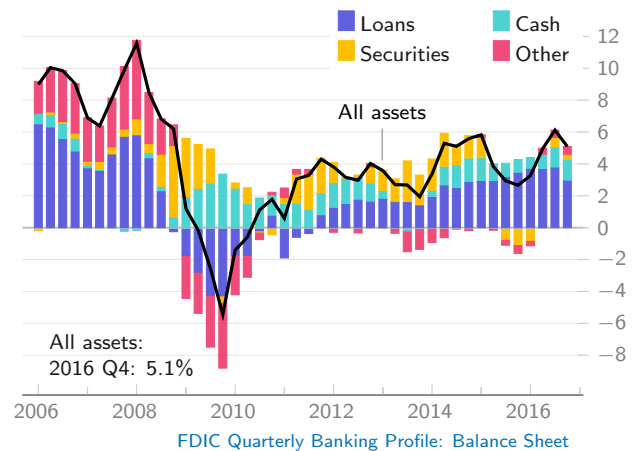


## Depository Corporations

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)



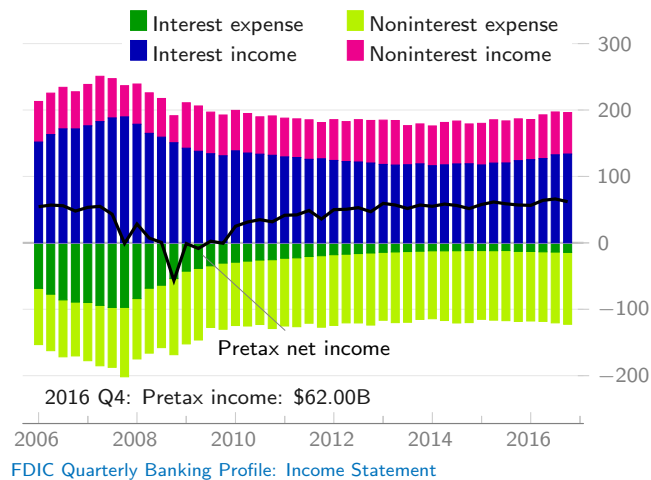
Bank liabilities and equity capital (annual % change)



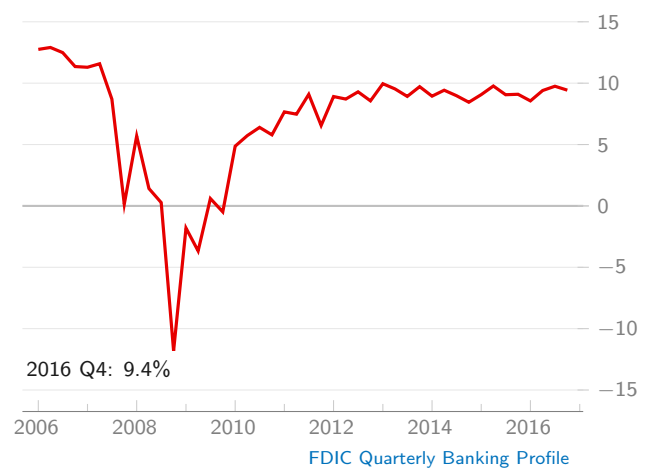


## Macro and Markets Dashboard: United States

### Bank income and expense (USD billions)



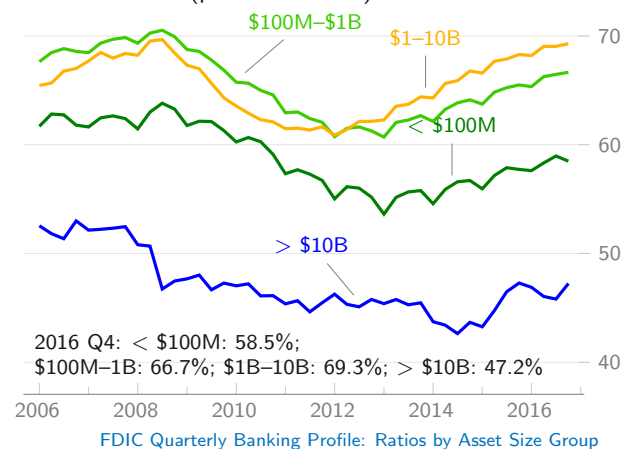
### Bank return on equity (ROE)



### Noncurrent rate by loan type \*



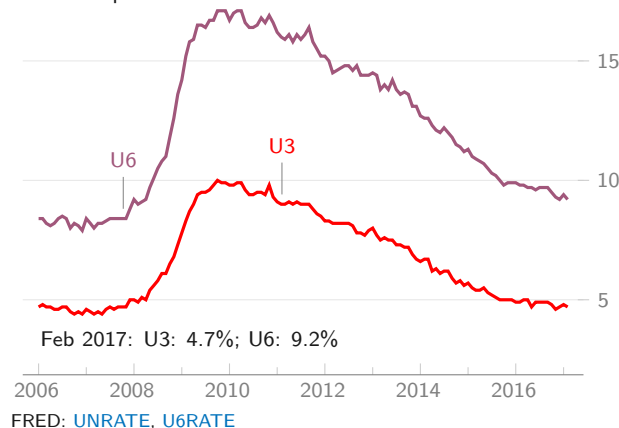
### Loans to assets ratio by total bank assets (percent of loans)



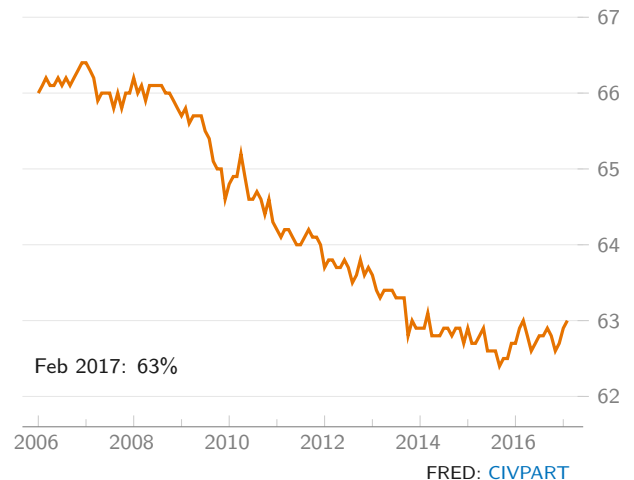
## Labor Markets

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

U6 rate includes discouraged workers and those part time for economic reasons

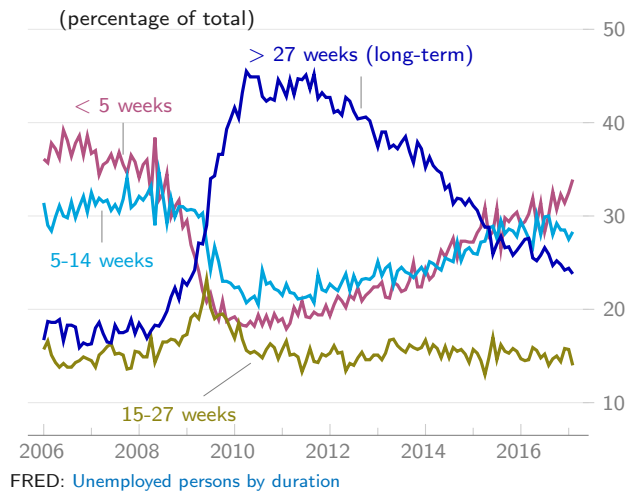


### Labor force participation rate

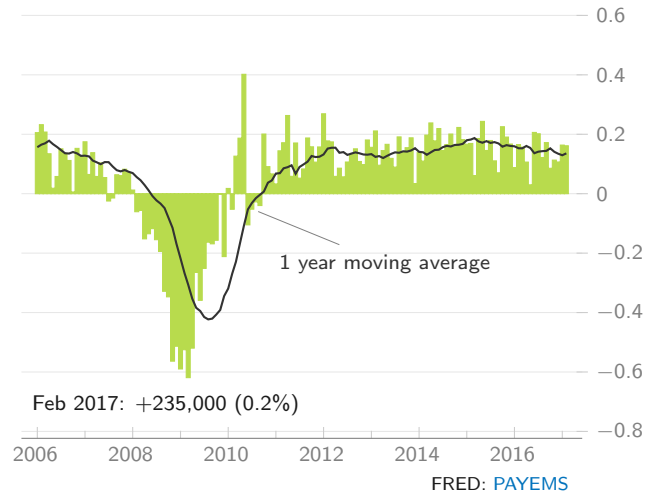


# Macro and Markets Dashboard: United States

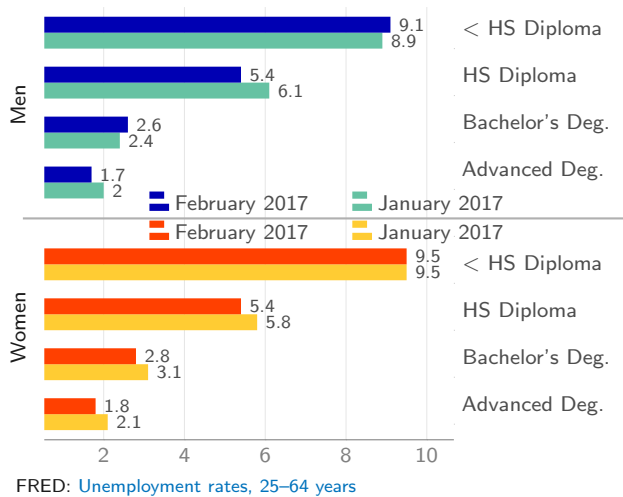
## ■ Share of unemployed by duration



## ■ Nonfarm payrolls (monthly percent change) \*

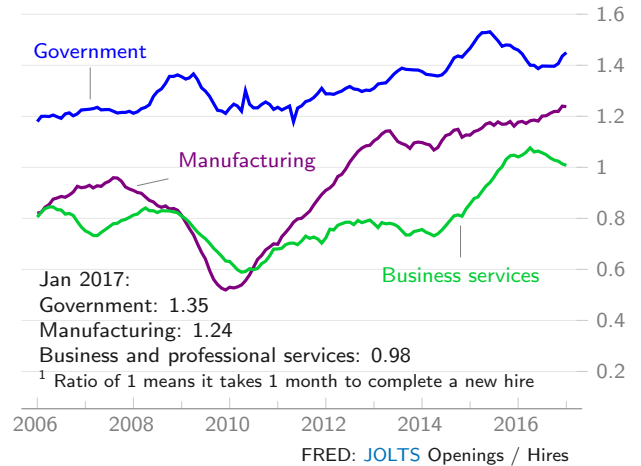


## ■ Unemployment rate by gender and education level

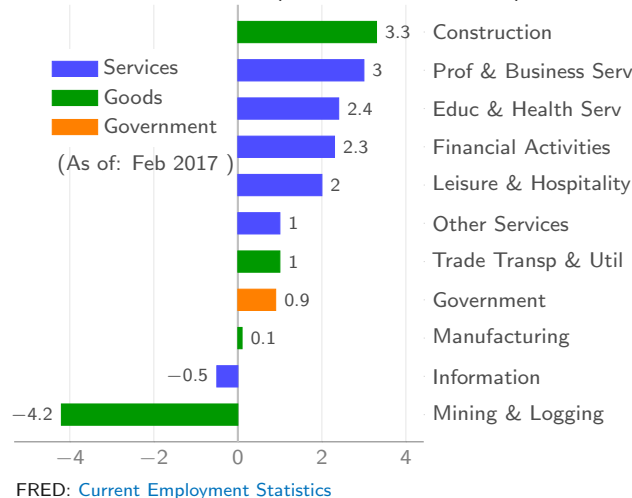


## ■ Job openings per hire, ratio by sector<sup>1</sup>

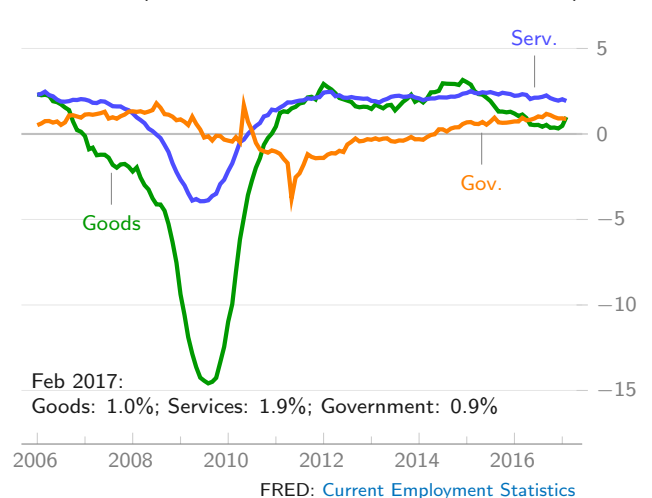
(plots show 1-yr moving average)



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

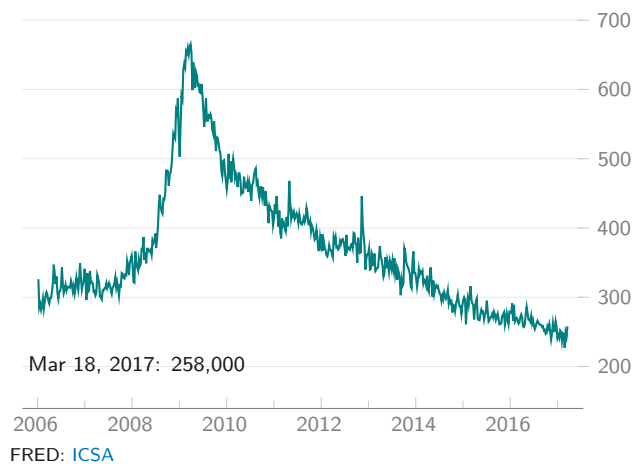


## ■ Payrolls (annual percent change by major category)

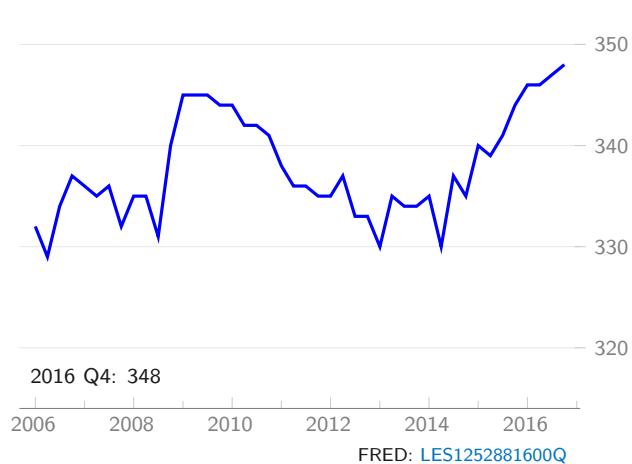


# Macro and Markets Dashboard: United States

■ New jobless claims (weekly, thousands)



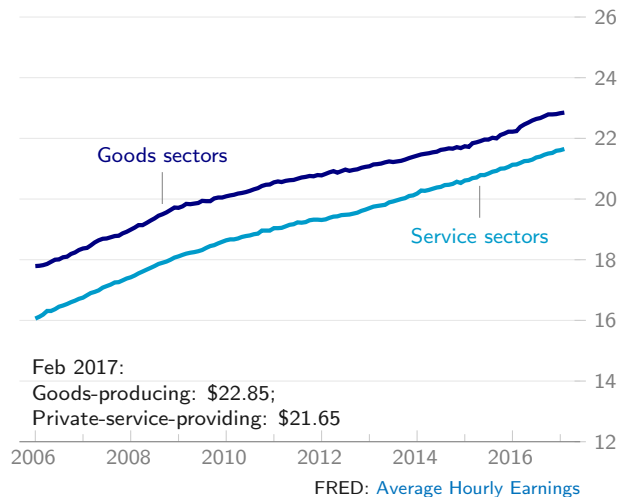
■ Real median weekly wage (1982–84 dollars)



■ Nominal average hourly wage (annual percent change)



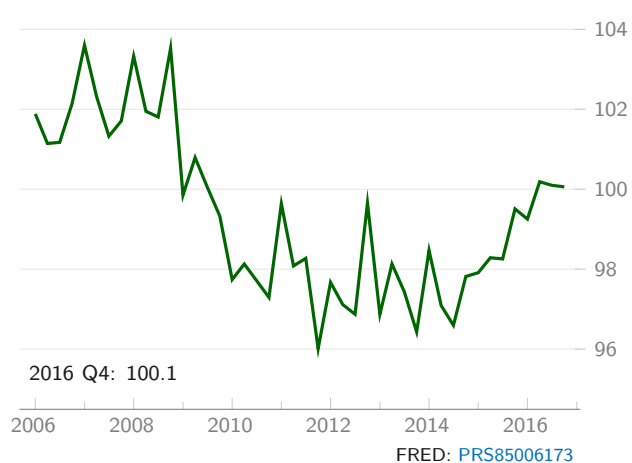
■ Nominal average hourly wages (USD)



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

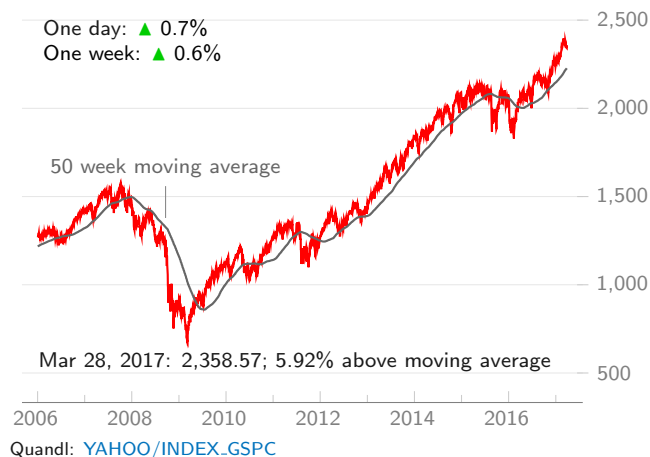


■ Labor share of output (index, 2005=100)

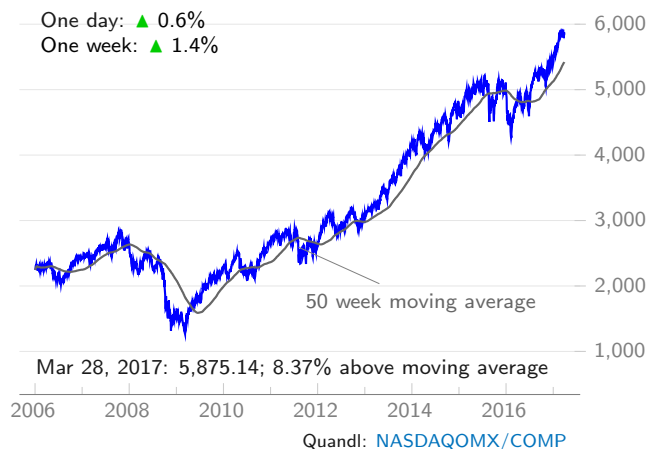


## Equity Markets

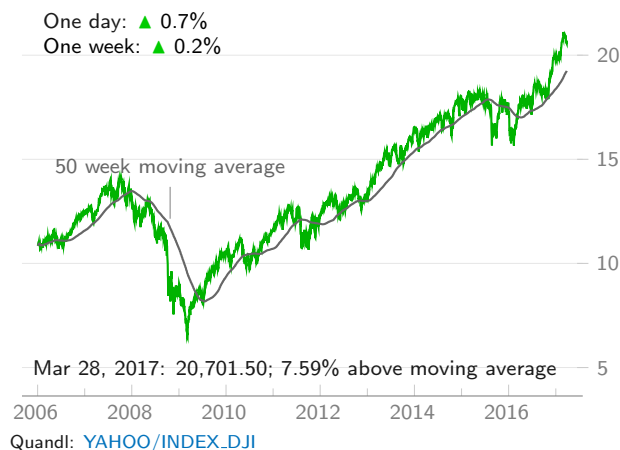
### S&P 500



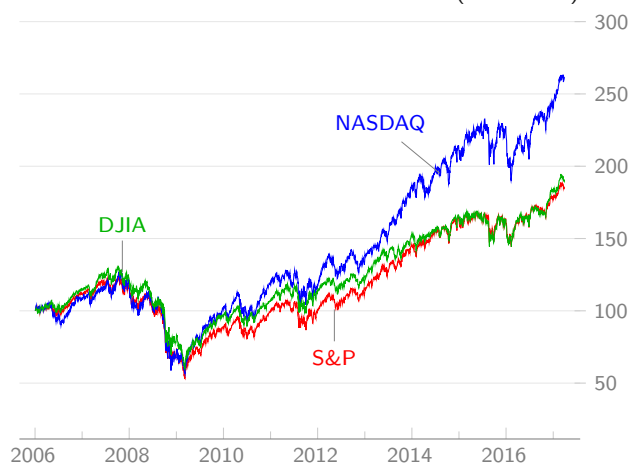
### NASDAQ Composite Index



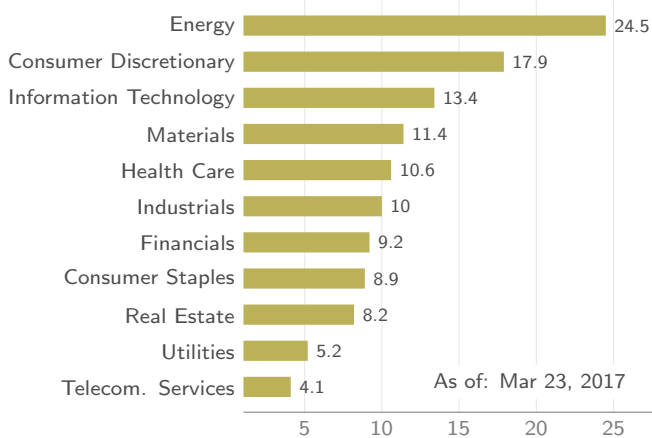
### Dow Jones Industrial Average (thousands)



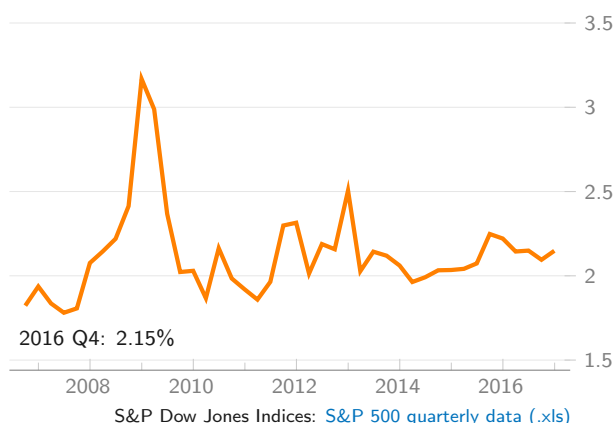
### ...combined and indexed (2006=100)



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

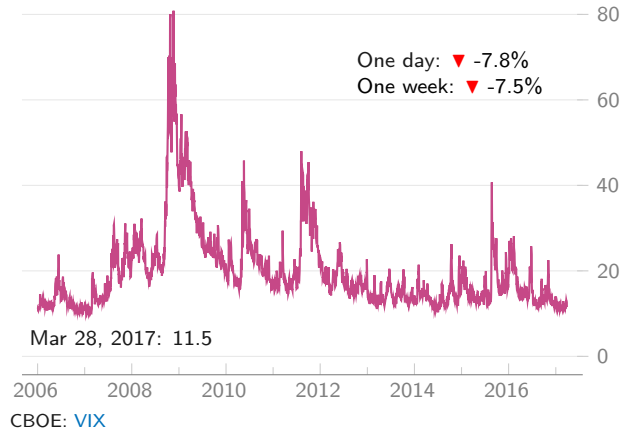


### S&P 500 dividend yield (percent)



## Macro and Markets Dashboard: United States

### ■ CBOE volatility index (VIX) \*

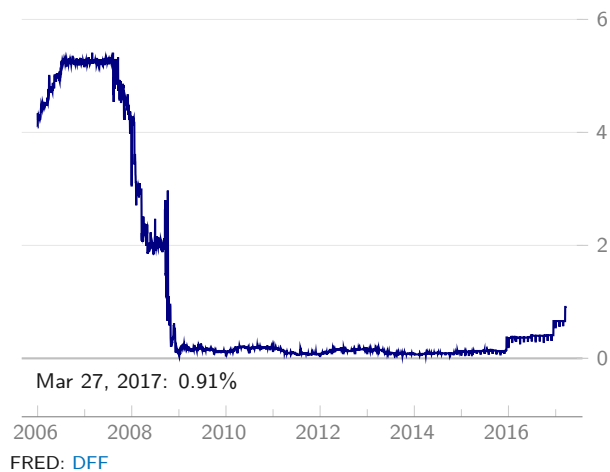


### ■ Shiller index of price to earnings ratios



## Money and Interest Rates

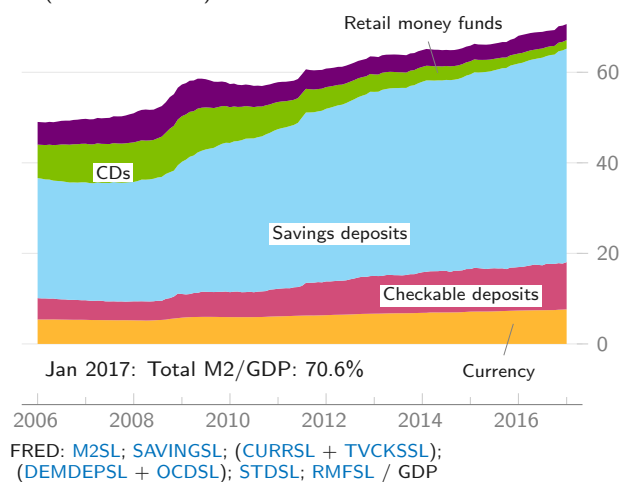
### ■ Effective fed funds rate \*



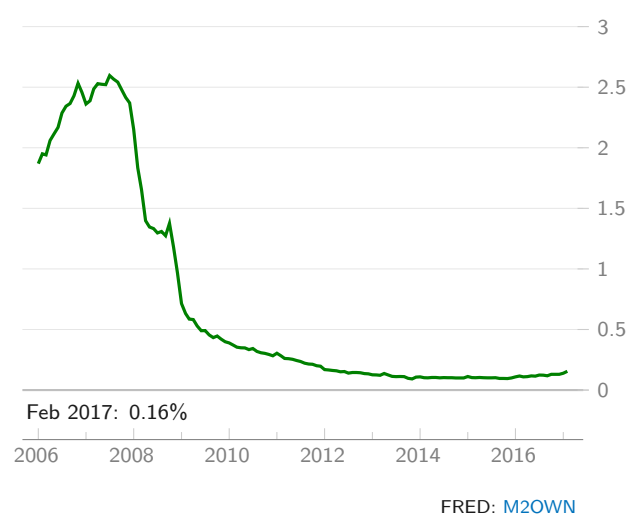
### ■ Fed excess reserves of depository corporations (USD billion)



### ■ Components of the M2 money supply (Percent of GDP)



### ■ Average rate of return on M2

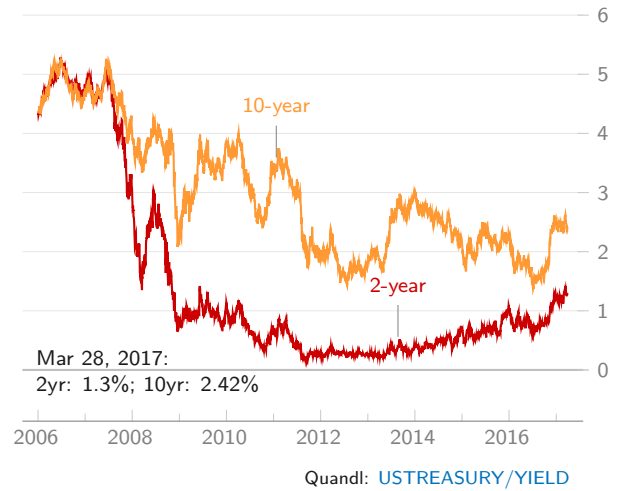


# Macro and Markets Dashboard: United States

■ Treasury bond real yield by maturity



■ 2- and 10-year treasury constant maturity rates



■ Treasury yield spreads



■ Treasury bill and bond yield curve 🌟



■ Corporate bonds AAA (effective yield)



■ Corporate bonds high yield (effective yield)



## Macro and Markets Dashboard: United States

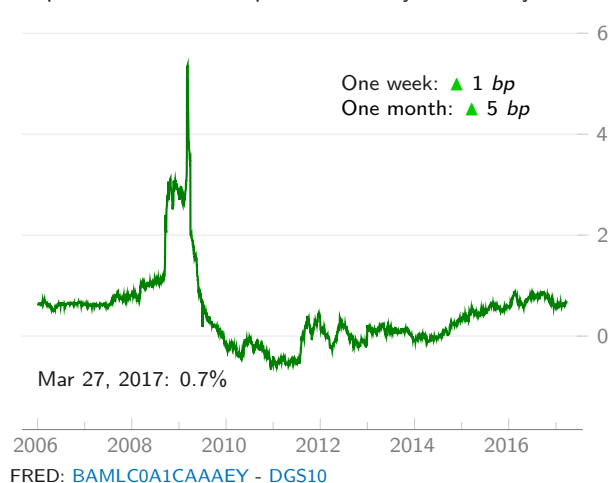
### ■ Corporate bonds high yield spread over AAA \*



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



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

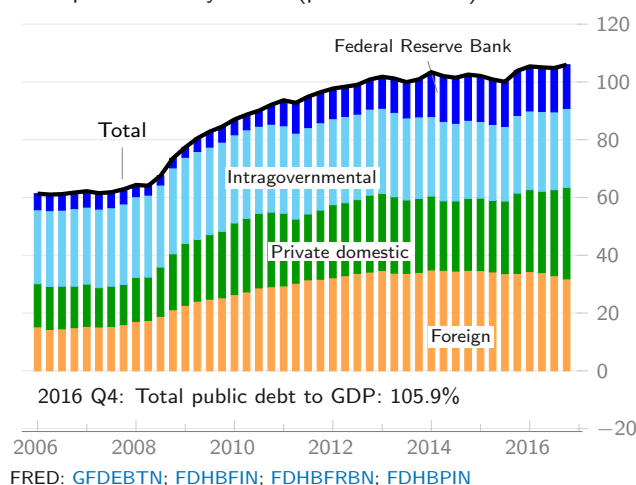


### ■ Corporate bonds total return index

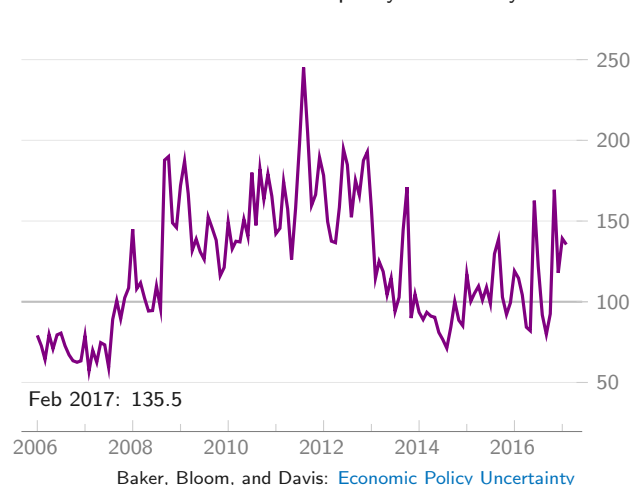


## Government and Policy

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



### ■ Economic policy uncertainty index

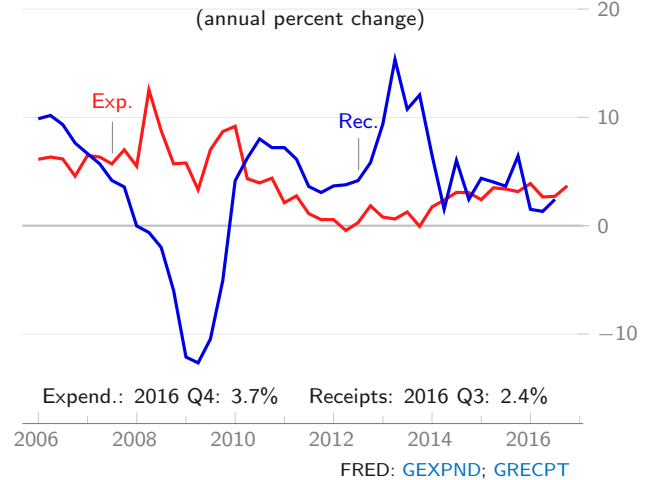


## Macro and Markets Dashboard: United States

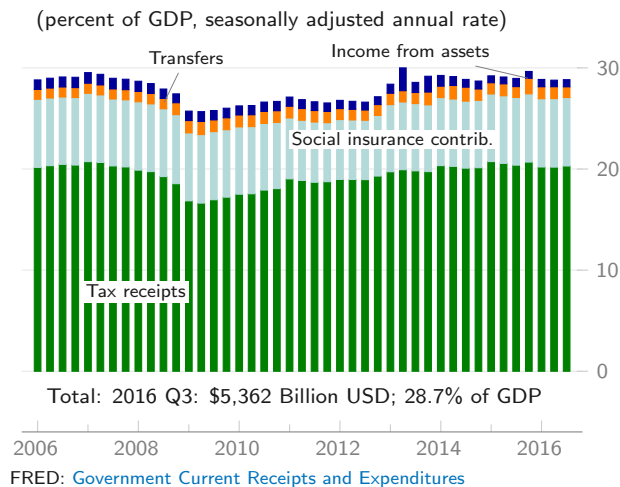
### Government expenditures and receipts \*



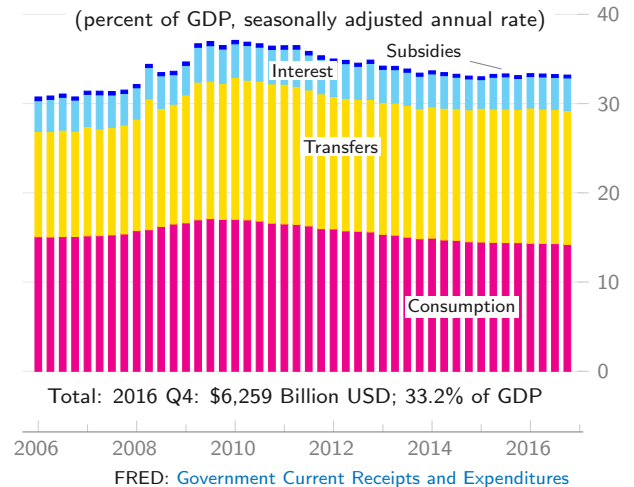
### Government expenditures and receipts



### Government current receipts by type



### Government current expenditures by type



## Prices

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



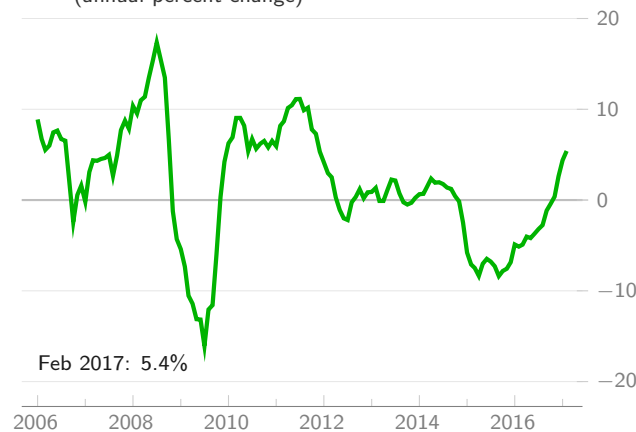
### CPI components (annual percent change)



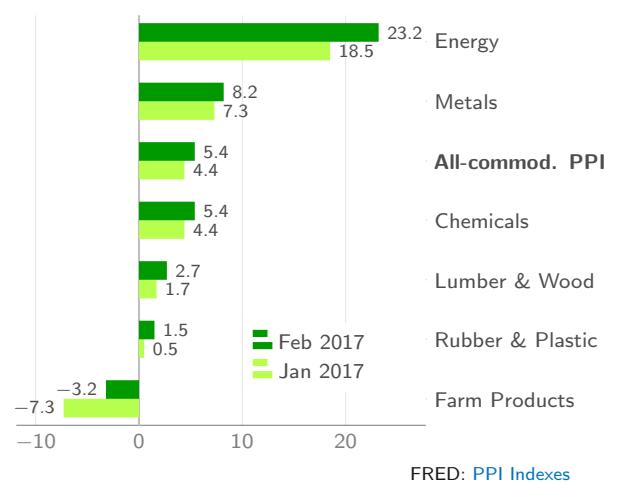


## Macro and Markets Dashboard: United States

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



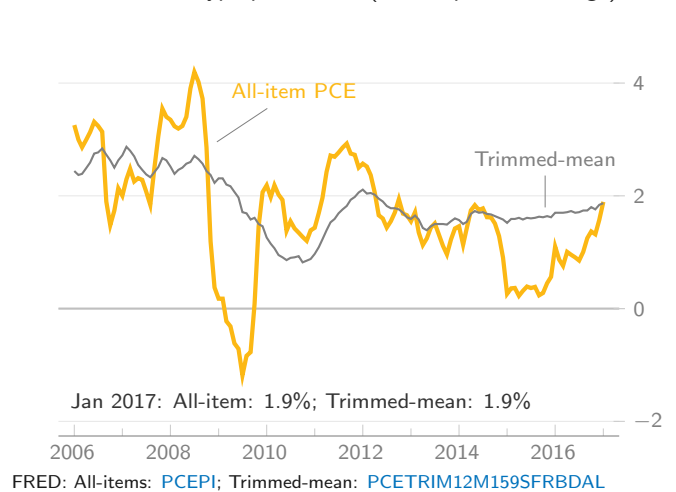
■ PPIACO selected components (annual percent change)



■ 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)

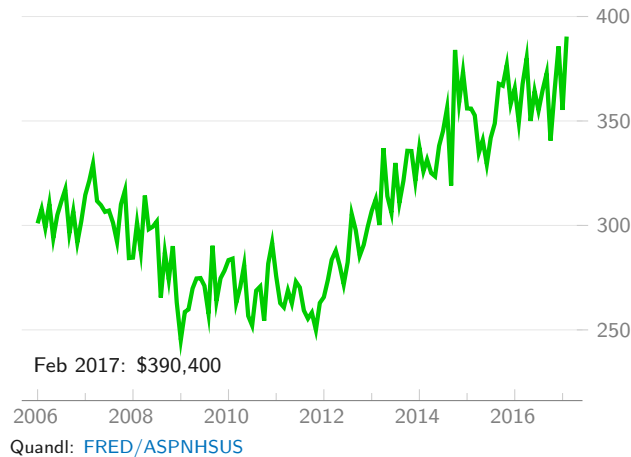


■ PPI growth: metals (annual percent change)



## Macro and Markets Dashboard: United States

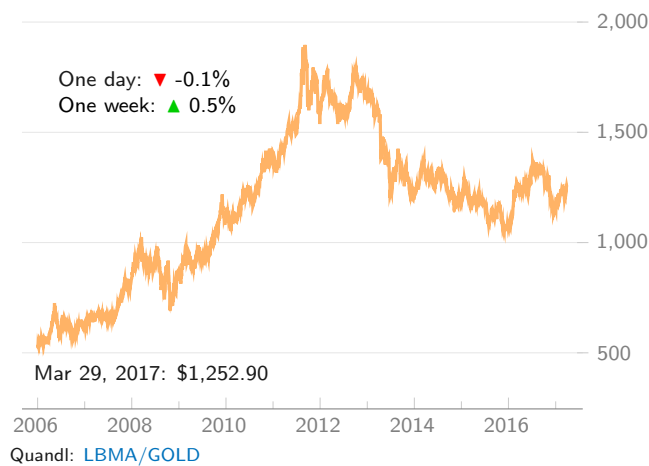
■ Average sales price for new houses (thousands of USD)



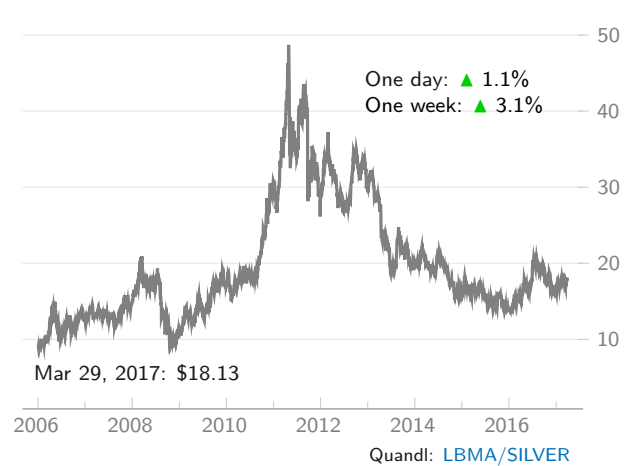
■ FAO food price index (world, 2002-04=100) \*



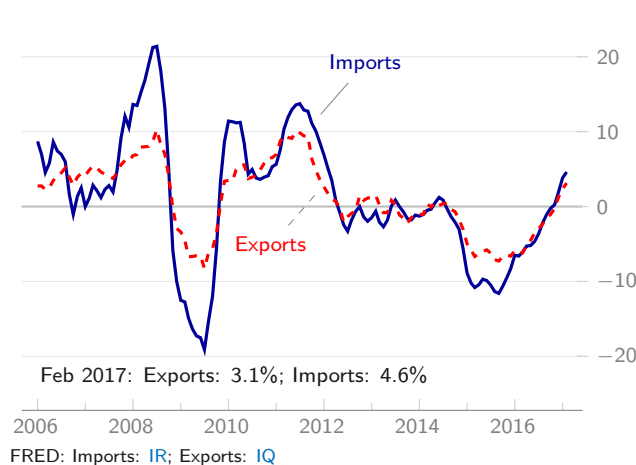
■ Gold price (USD per ounce)



■ Silver price (USD per ounce)



■ Export and import prices (annual percent change)

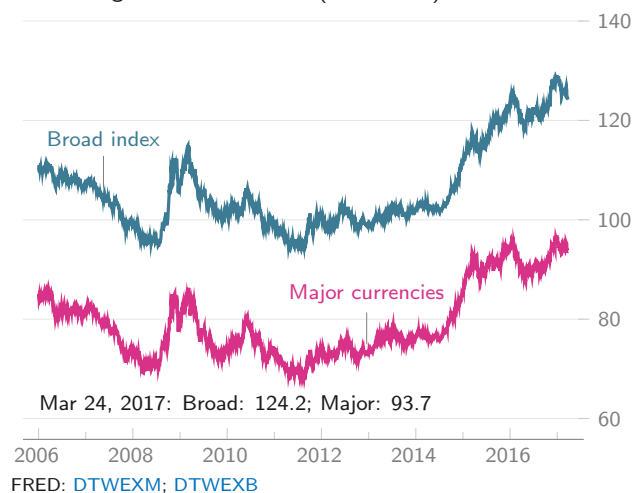


■ Import prices by locality of origin (annual percent change)

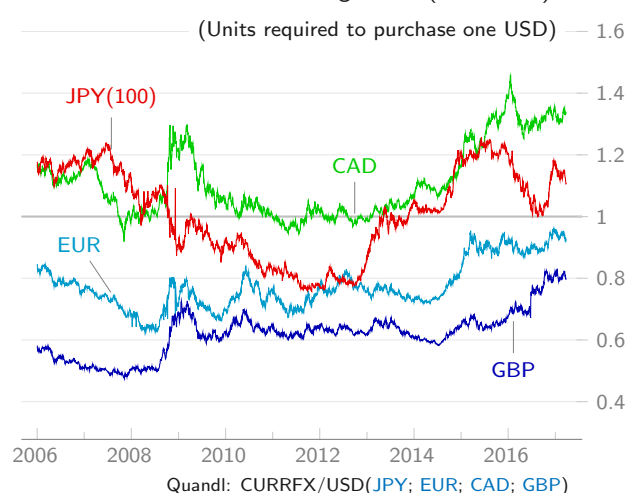


## Trade and External Sector Indicators

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



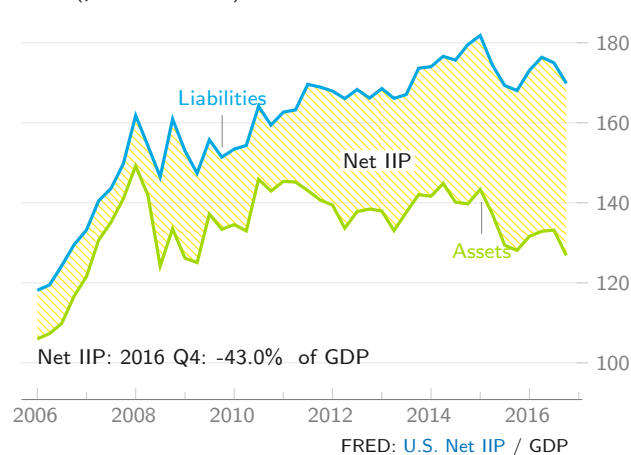
### Indirect exchange rates (USD-CUR) ■



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



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



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

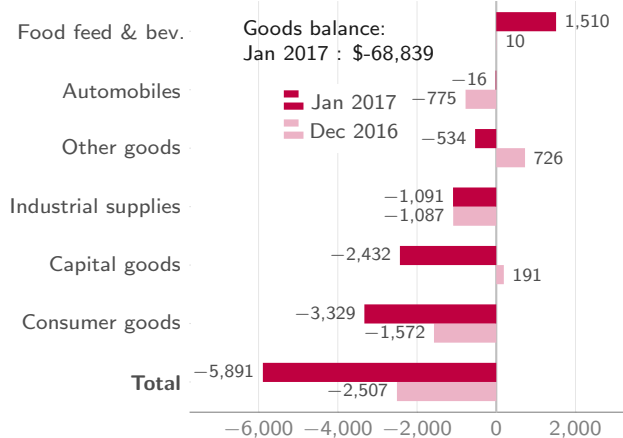


### Trade balance (goods and services, percent of GDP)



## Macro and Markets Dashboard: United States

### 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](#)

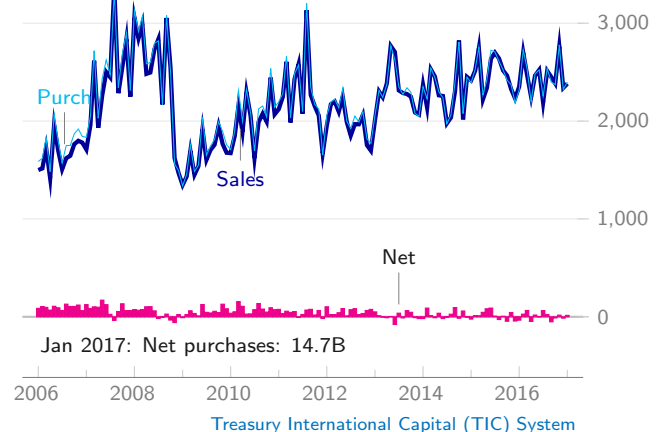
## Capital Flows

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

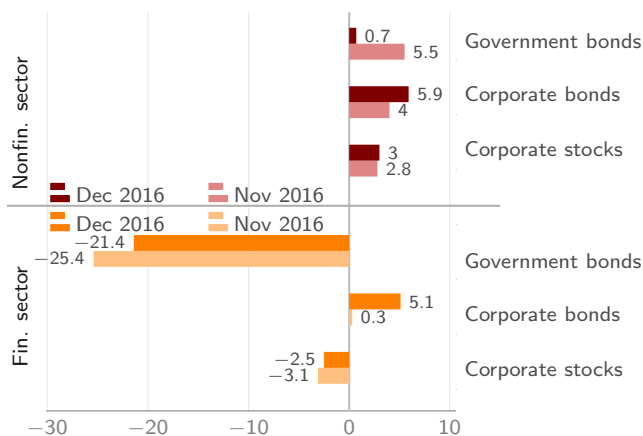


Treasury International Capital (TIC) System

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

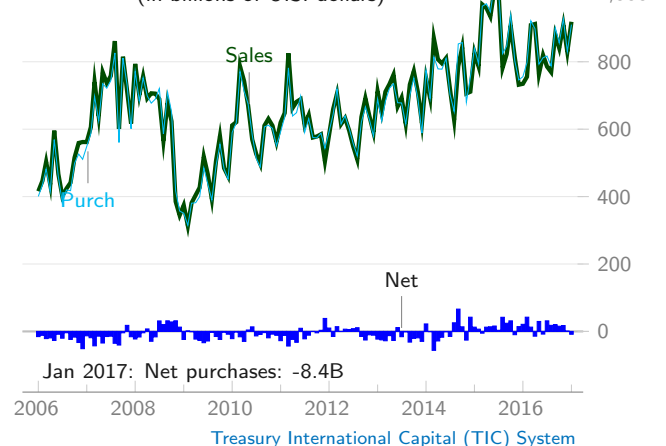


### U.S. holdings of foreign securities (annual % change)





















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<br>% ch. | 1 week<br>% ch. | 1 month<br>% ch. | 1 year<br>% ch. | 1 year<br>high | 1 year<br>low | Updated:   |
|--|-------------------|----------------|-----------------|------------------|-----------------|----------------|---------------|------------|
|  <b>EUR</b>   | 0.920             | ▼ -0.02        | ▼ -1.21         | ▼ -2.67          | ▲ 4.48          | 0.962          | 0.867         | 2017-03-27 |
|  <b>GBP</b>   | 0.796             | ▼ -0.02        | ▼ -1.57         | ▼ -0.06          | ▲ 12.55         | 0.831          | 0.671         | 2017-03-27 |
|  <b>JPY</b>   | 110.751           | ▲ 0.12         | ▼ -1.65         | ▼ -1.74          | ▼ -1.56         | 118.253        | 99.988        | 2017-03-27 |
|  <b>CAD</b>   | 1.339             | ▲ 0.03         | ▲ 0.34          | ▲ 2.13           | ▲ 2.41          | 1.358          | 1.253         | 2017-03-27 |
|  <b>MXN</b>   | 18.873            | ▲ 0.02         | ▼ -0.72         | ▼ -4.26          | ▲ 8.53          | 21.921         | 17.178        | 2017-03-27 |
|  <b>AUD</b>   | 1.310             | ▼ -0.16        | ▲ 1.27          | ▲ 1.07           | ▲ 0.50          | 1.393          | 1.281         | 2017-03-27 |
|  <b>CNY</b>   | 6.869             | 0.00           | ▼ -0.53         | ▲ 0.09           | ▲ 6.25          | 6.957          | 6.439         | 2017-03-27 |
|  <b>CHF</b>   | 0.985             | ▼ -0.01        | ▼ -1.39         | ▼ -2.12          | ▲ 2.46          | 1.030          | 0.953         | 2017-03-27 |
|  <b>NZD</b>   | 1.419             | 0.00           | ▲ 0.03          | ▲ 2.53           | ▼ -1.85         | 1.493          | 1.341         | 2017-03-27 |
|  <b>SEK</b>   | 8.781             | ▼ -0.07        | ▼ -0.50         | ▼ -2.41          | ▲ 7.55          | 9.404          | 7.965         | 2017-03-27 |
|  <b>NOK</b>   | 8.484             | ▼ -0.04        | ▲ 0.03          | ▲ 1.74           | ▲ 2.48          | 8.712          | 7.971         | 2017-03-27 |
|  <b>DKK</b>   | 6.845             | ▼ -0.03        | ▼ -1.16         | ▼ -2.60          | ▲ 4.34          | 7.155          | 6.455         | 2017-03-27 |
|  <b>RUB</b> | 56.810            | 0.00           | ▼ -0.89         | ▼ -1.65          | ▼ -17.94        | 68.750         | 56.810        | 2017-03-27 |
|  <b>HKD</b> | 7.767             | 0.00           | ▲ 0.05          | ▲ 0.10           | ▲ 0.15          | 7.771          | 7.753         | 2017-03-27 |
|  <b>SGD</b> | 1.394             | ▲ 0.01         | ▼ -0.21         | ▼ -0.99          | ▲ 3.28          | 1.451          | 1.337         | 2017-03-27 |
|  <b>TRY</b> | 3.611             | ▼ -0.11        | ▼ -0.34         | ▲ 1.23           | ▲ 22.00         | 3.877          | 2.796         | 2017-03-27 |
|  <b>KRW</b> | 1111.800          | ▲ 0.17         | ▼ -0.13         | ▼ -1.74          | ▼ -2.61         | 1209.840       | 1090.050      | 2017-03-27 |
|  <b>ZAR</b> | 12.750            | ▲ 0.09         | ▲ 0.93          | ▼ -0.90          | ▼ -14.78        | 15.880         | 12.470        | 2017-03-27 |
|  <b>BRL</b> | 3.126             | ▼ -0.01        | ▲ 1.75          | ▲ 2.08           | ▼ -16.28        | 3.683          | 3.056         | 2017-03-27 |
|  <b>INR</b> | 64.970            | 0.00           | ▼ -0.54         | ▼ -2.64          | ▼ -1.97         | 68.805         | 64.970        | 2017-03-27 |
|  <b>ILS</b> | 3.607             | ▲ 0.02         | ▼ -0.26         | ▼ -2.34          | ▼ -3.96         | 3.887          | 3.606         | 2017-03-27 |
|  <b>EGP</b> | 18.000            | ▼ -0.28        | 0.00            | ▲ 12.50          | ▲ 50.89         | 19.620         | 8.770         | 2017-03-24 |
|  <b>IDR</b> | 13309.000         | 0.00           | ▼ -0.01         | ▼ -0.29          | ▲ 1.13          | 13667.000      | 12944.000     | 2017-03-27 |
|  <b>THB</b> | 34.400            | ▲ 0.15         | ▼ -0.70         | ▼ -1.60          | ▼ -2.01         | 35.990         | 34.350        | 2017-03-27 |
|  <b>MYR</b> | 4.409             | 0.00           | ▼ -0.36         | ▼ -0.77          | ▲ 12.37         | 4.496          | 3.835         | 2017-03-27 |
|  <b>ARS</b> | 15.564            | ▼ -0.01        | ▼ -0.31         | ▲ 0.42           | ▲ 5.59          | 16.060         | 13.735        | 2017-03-27 |
|  <b>COP</b> | 2920.000          | ▼ -0.03        | ▲ 0.47          | ▲ 1.96           | ▼ -2.71         | 3181.000       | 2829.000      | 2017-03-27 |
|  <b>CLP</b> | 664.400           | ▲ 0.32         | ▲ 0.40          | ▲ 3.29           | ▼ -2.32         | 696.445        | 638.440       | 2017-03-24 |

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

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

▶ Contact: **Brian Dew** | [✉ brianwdew@gmail.com](mailto:brianwdew@gmail.com) | [WordPress](http://briandew.wordpress.com) | [Twitter @bd.econ](https://twitter.com/bd.econ)