### Macro and Markets Dashboard: United States

Updated: October 31, 2017

### **Key Indicators**

		change over prev.		as of:
III ■ Real GDP	17.2T	▲ 3.0%		2017 Q3
📶 🎛 Unemp. rate	4.2%	<b>▼</b> -0.2		Sep 2017
<b>Ⅲ Ⅲ</b> CPI Inflation	2.2%	▲ 0.3		Sep 2017
		one week change	one month change	as of:
<b>Ⅲ Ⅲ</b> S&P 500	2,575.26	▲ 0.2%	<b>▲</b> 1.8%	2017-10-31
<u>IIII</u> Ⅲ DJIA	23,377.24	<b>▼</b> -0.3%	<b>▲</b> 3.6%	2017-10-31
III ■ NASDAQ	6,727.67	<b>▲</b> 2.0%	<b>▲</b> 3.3%	2017-10-31
<u>⊪</u> ⊞ VIX	10.18	▼ -8.8%	<b>▲</b> 7.7%	2017-10-31
📶 🎛 2-yr t-bond	1.60%	0.00	▲ 0.13	2017-10-31
🚻 🎛 10-yr t-bond	2.38%	▼ -0.04	▲ 0.05	2017-10-31
☐ Crude oil	\$54.38	<b>▲</b> 3.6%	<b>▲</b> 7.5%	2017-10-31
■ USD index	90.06	<b>▲</b> 1.5%	▲ 2.2%	2017-10-27

chart: 📶 data: ⊞

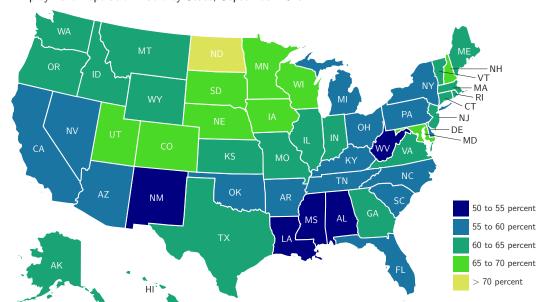
### About the Dashboard

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 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



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### Contact

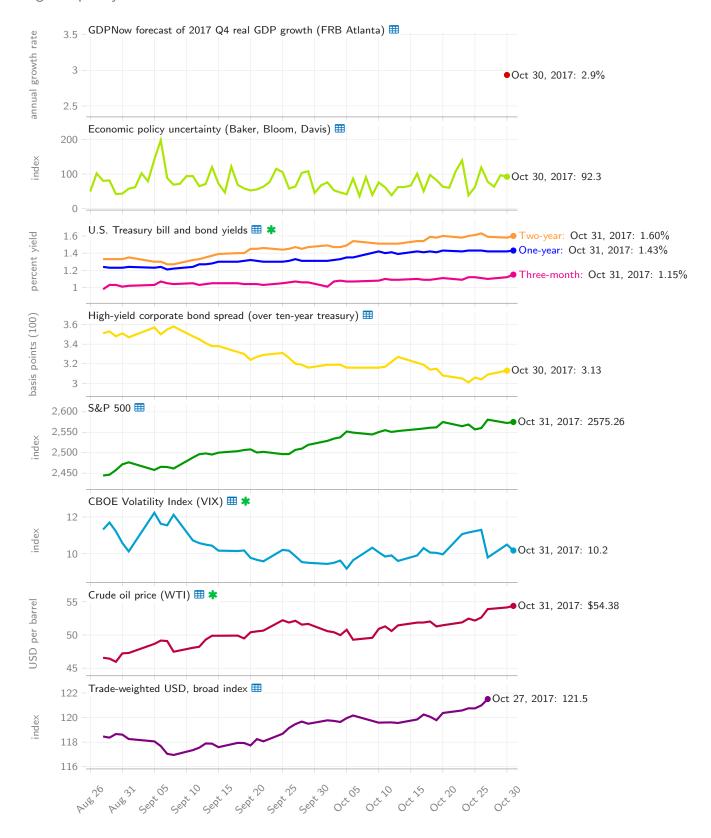
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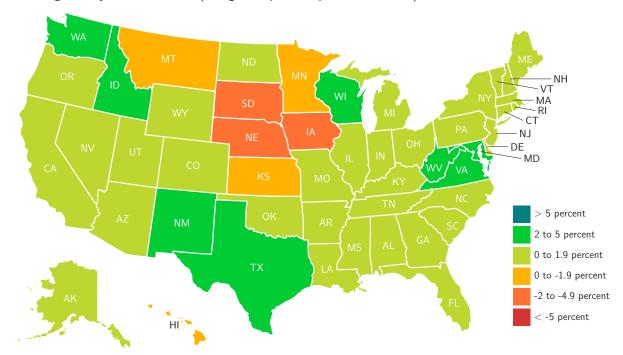
**y** @bd\_econ

### High-frequency indicators

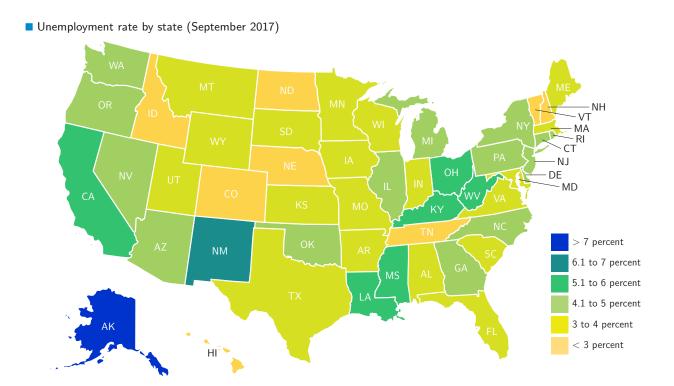


### State-level economic indicators

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

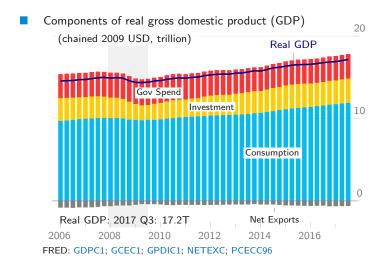


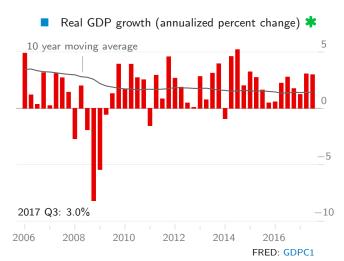
Source: U.S. Bureau of Economic Analysis (BEA), Regional Economic Accounts: GDP by State

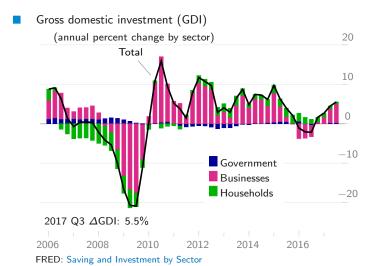


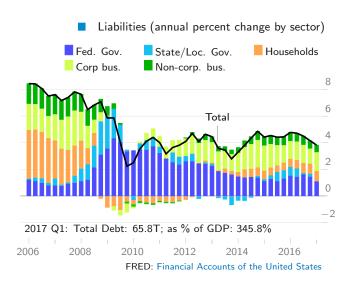
Source: U.S. Bureau of Labor Statistics (BLS), Local Area Unemployment Statistics (LAUS)

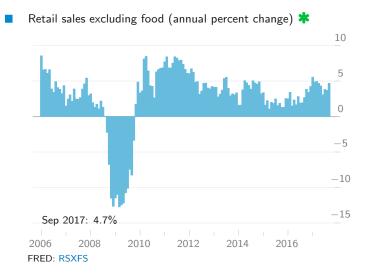
### Macroeconomic Indicators: Overview

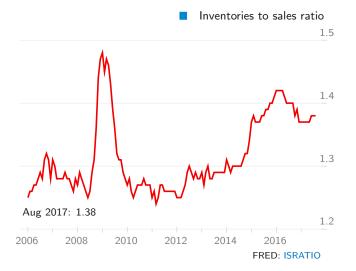






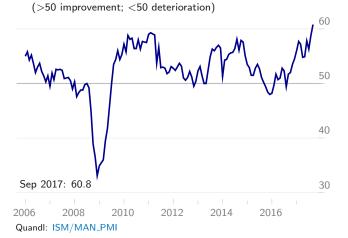




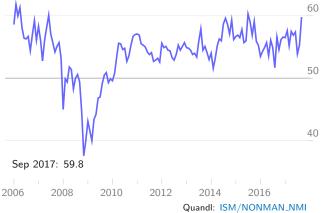


### Macroeconomic Indicators: Businesses

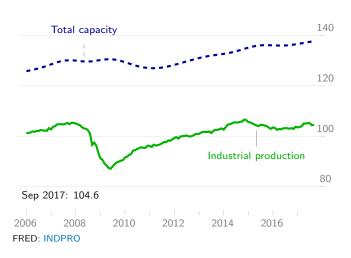
■ ISM manufacturing purchasing managers' index



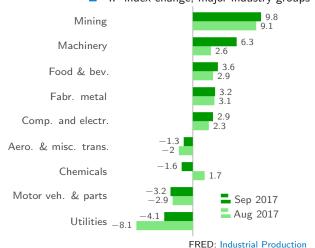
■ ISM non-manufacturing business activity index (>50 improvement; <50 deterioration)



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



■ IP index change, major industry groups



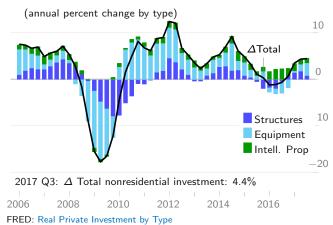
■ Total capacity utilization (percent of capacity)

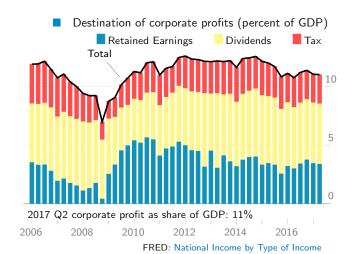


■ Capacity utilization change, major industry groups

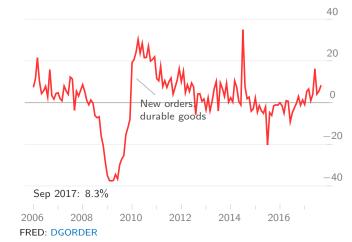


### Real nonresidential fixed investment

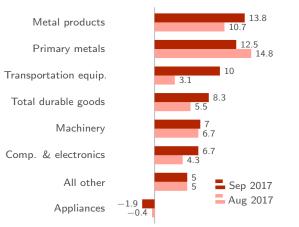




### 📘 Durable goods new orders (annual percent change) 🧚

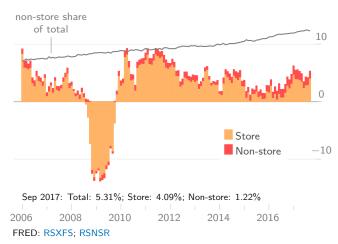


### Durable goods new orders by category



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

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

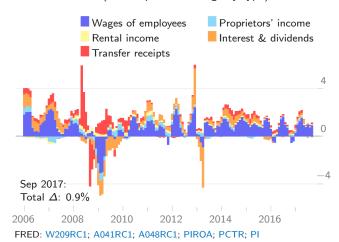


### ■ FRBSF tech pulse index (2000=100)

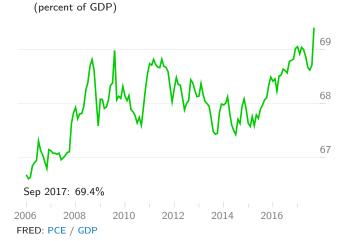


### Macroeconomic Indicators: Households

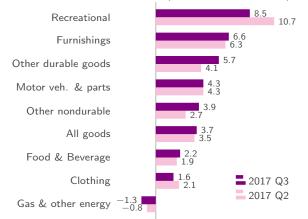
### Personal income (annual percent change by type)

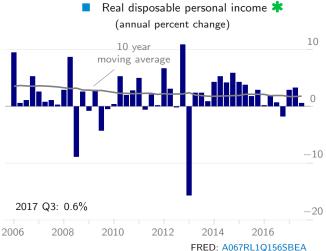


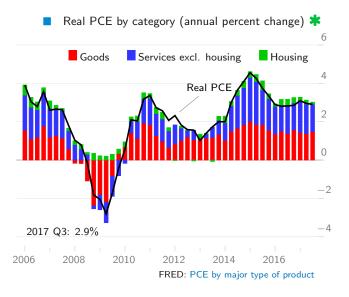
### Personal consumption expenditure (PCE)



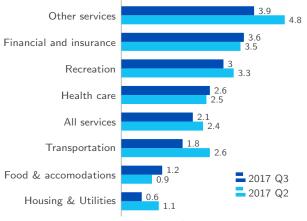
### Real PCE on goods by type (annual percent change)







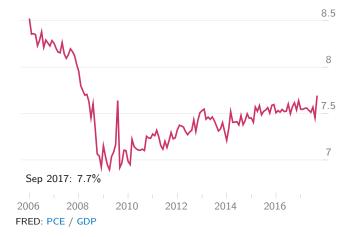
### Real PCE on services by type (annual percent change)



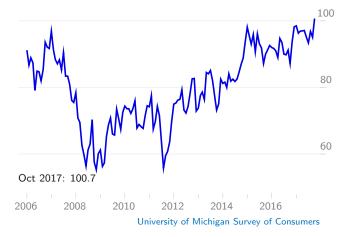
FRED: Real PCE by Major Type of Product

FRED: Real PCE by Major Type of Product

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



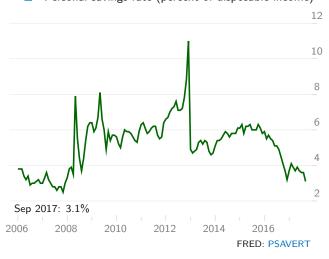
### University of Michigan consumer sentiment index



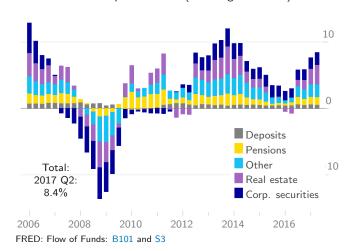
### New housing starts (thousands of units)



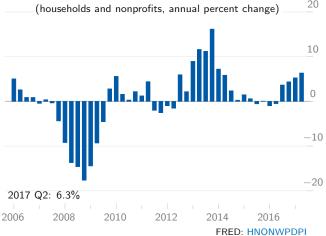
### Personal savings rate (percent of disposable income)



### Household and nonprofits assets (annual growth rate)

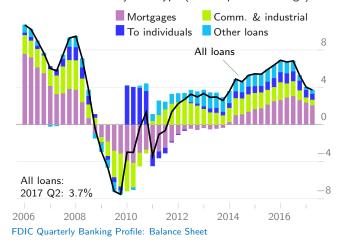


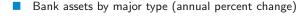
### Net wealth as percent of gross disposable income

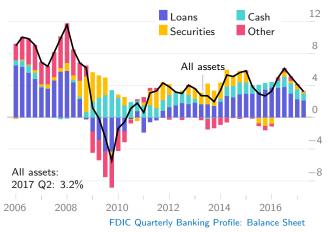


### **Depository Corporations**

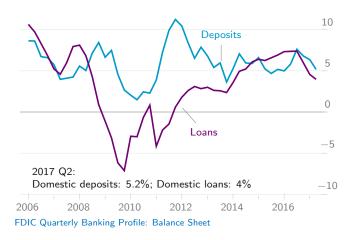
Value of bank loans by loan type (annual percent change)



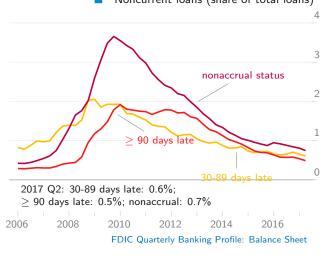




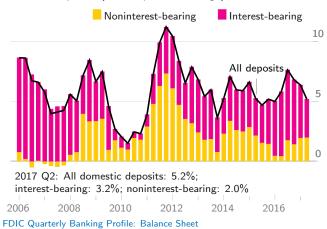
### Domestic loans and deposits (annual percent change)



Noncurrent loans (share of total loans)



### Domestic deposits (annual percent change)



Bank liabilities and equity capital (annual % change)

Deposits Equity capital Other liab.

10

Liab. and equity

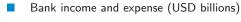
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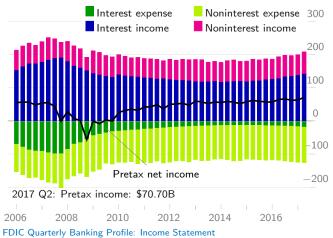
2017 Q2: Liab. and equity: 3.2%

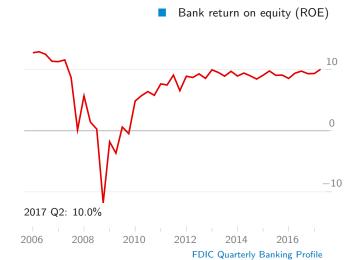
2006 2008 2010 2012 2014 2016

FDIC Quarterly Banking Profile: Balance Sheet

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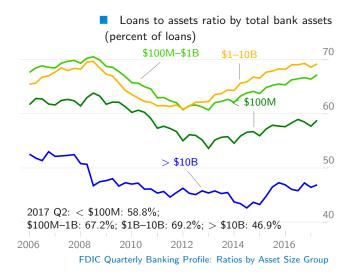






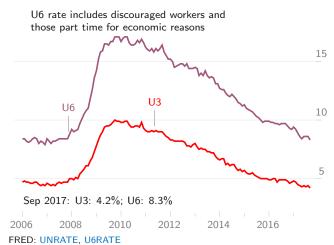
### Noncurrent rate by loan type \* Real Estate Loans 1.2 Total Loans & Leases 1.2 Credit Cards 1.1 Commercial & Industrial Agricultural Production Other Personal Loans Leases Auto Loans

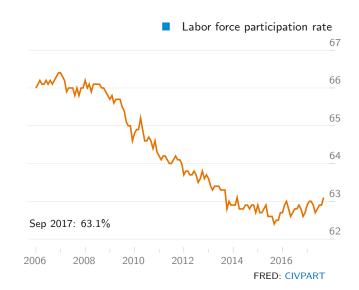




### Labor Markets

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

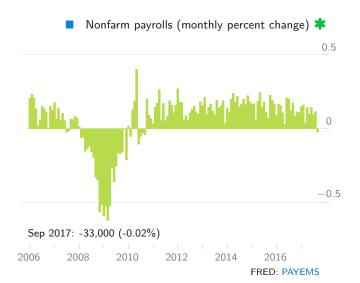


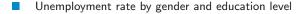


### Share of unemployed by duration 50 (percentage of total) > 27 weeks (long-term) 40 < 5 weeks 15-27 weeks

2012

2016



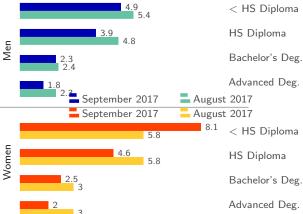


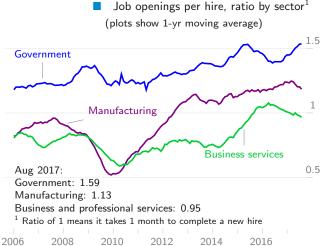
2010

2006

2008

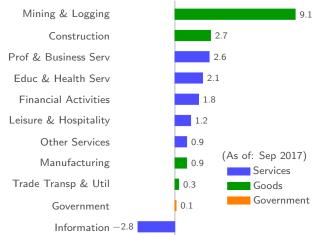
FRED: Unemployed persons by duration





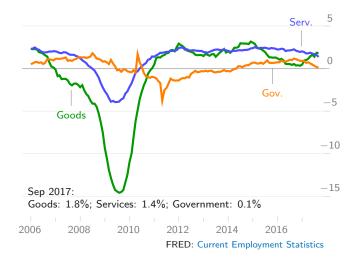
### Payroll growth by sector (annual percent change)

FRED: Unemployment rates, 25-64 years



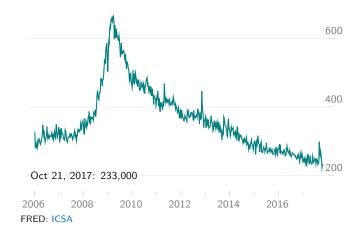
Payrolls (annual percent change by major category)

FRED: JOLTS Openings / Hires

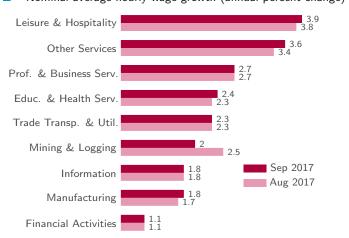


FRED: Current Employment Statistics

### New jobless claims (weekly, thousands)



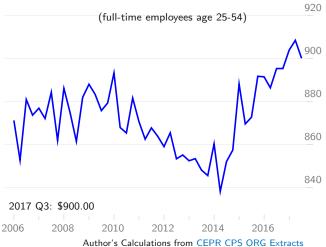
### Nominal average hourly wage growth (annual percent change)



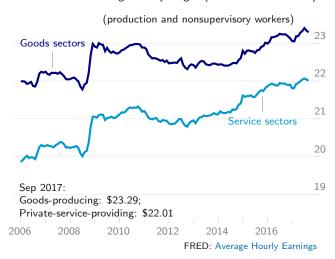
FRED: Average Hourly Earnings, Production and Nonsupervisory Employees

# Real hourly wages and output (index, 2009=100) \* Output 100 Wages 2017 Q2: Wages: 103.4; Output: 108.1 2006 2008 2010 2012 2014 2016

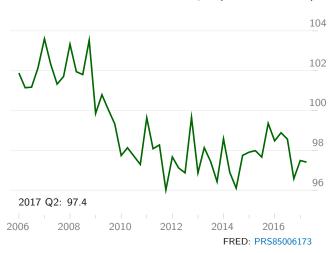
### ■ Real median weekly earnings (2017 dollars)



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



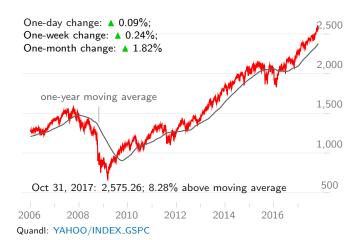
### ■ Labor share of output (index, 2005=100)



FRED: COMPRNFB, OPHNFB

### **Equity Markets**

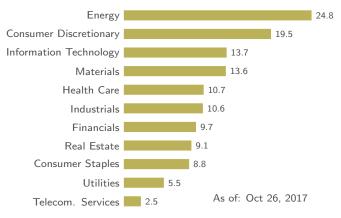
### S&P 500



### Dow Jones Industrial Average (thousands)

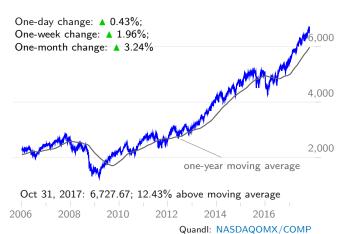


### S&P 500 five-year growth forecast by sector



S&P Dow Jones Indices: S&P 500 growth forecasts (.xls)

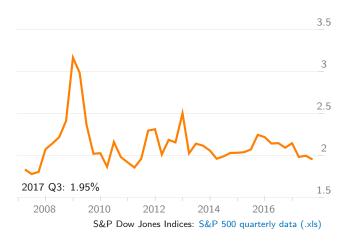
### ■ NASDAQ Composite Index



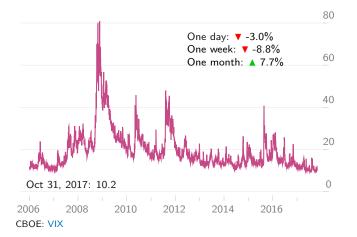
### ...combined and indexed (2006=100)



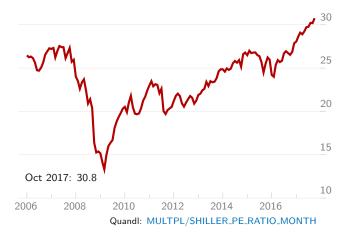
### S&P 500 dividend yield (percent)



CBOE volatility index (VIX) \*



Shiller index of price to earnings ratios

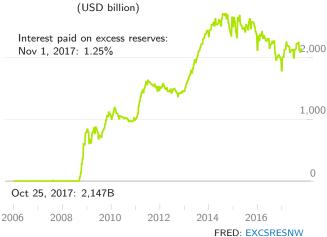


### Money and Interest Rates

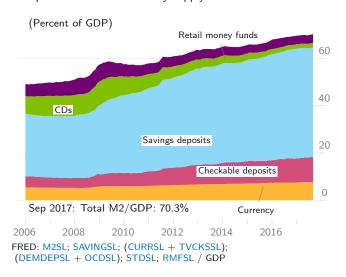
Effective fed funds rate \*

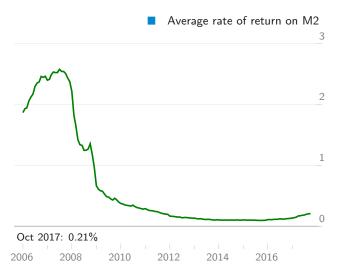


Fed excess reserves of depository corporations



Components of the M2 money supply





### Treasury bond real yield by maturity



## 10-year 4

2- and 10-year treasury constant maturity rates

Oct 31, 2017:

2yr: 1.6%; 10yr: 2.38%

2006 2008 2010 2012 2014 2016

Quandl: USTREASURY/YIELD

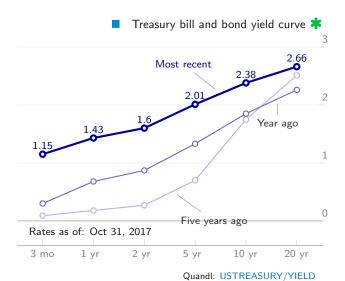
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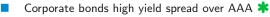
### Treasury yield spreads

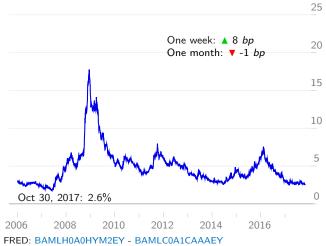


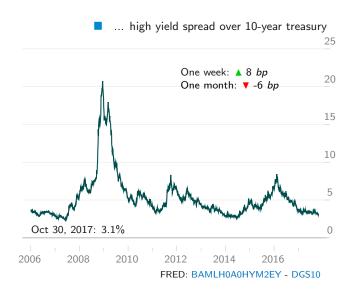
Corporate bonds AAA (effective yield)



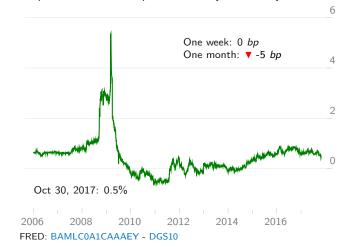


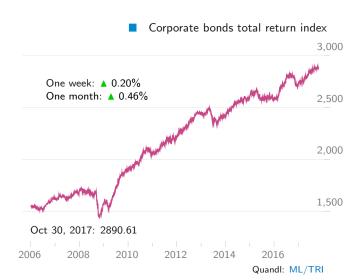






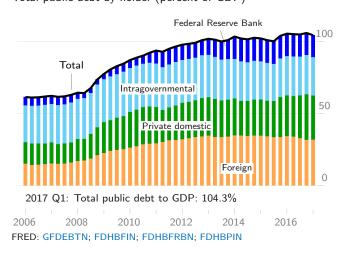
### Corporate bonds AAA spread over 10-year treasury

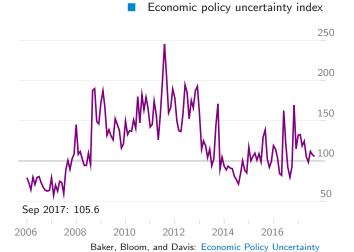




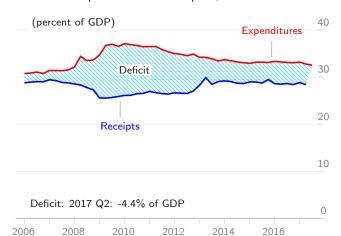
### Government and Policy

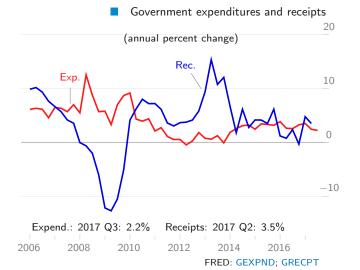
Total public debt by holder (percent of GDP)





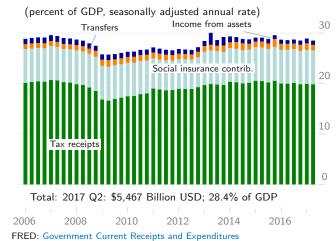
Updated: October 31, 2017 : Key indicator 16 ■ Government expenditures and receipts **\*** 

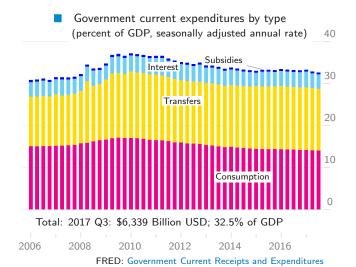






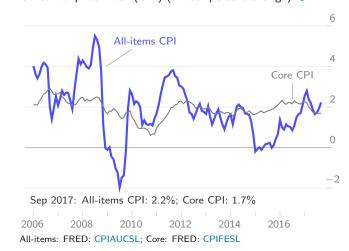
FRED: GEXPND; GRECPT

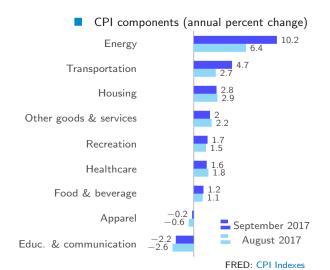




### Prices

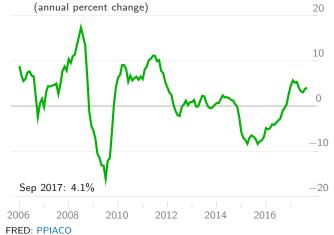
Consumer price index (CPI) (annual percent change) \*



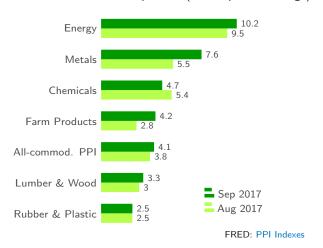


Producer price index, all commodities (PPIACO)

(annual percent change)

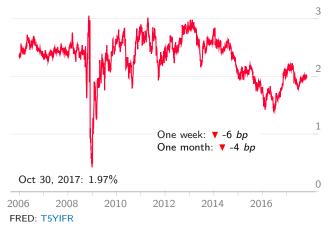


■ PPIACO selected components (annual percent change)

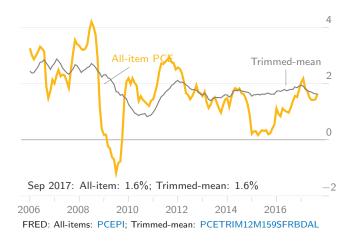


5-Year forward inflation expectation rate \*

(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)



Average sales price for new houses (thousands of USD)

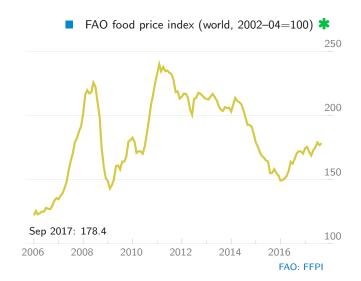
400

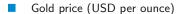
350

Sep 2017: \$385,200

2006 2008 2010 2012 2014 2016

Quandl: FRED/ASPNHSUS

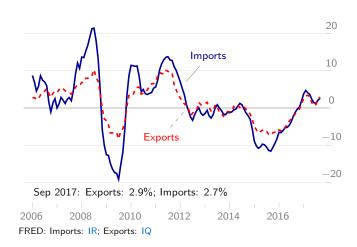




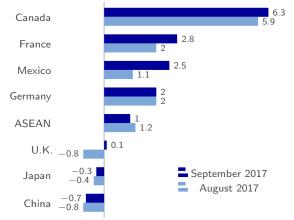




### Export and import prices (annual percent change)

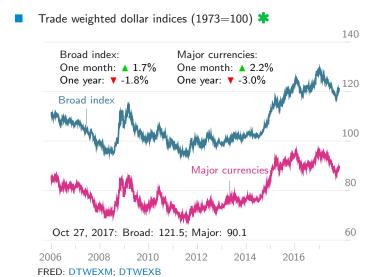


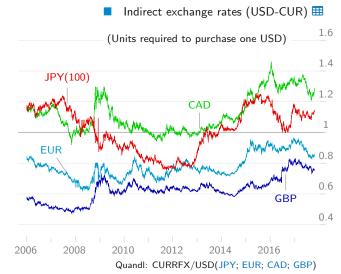
### ■ Import prices by locality of origin (annual percent change)

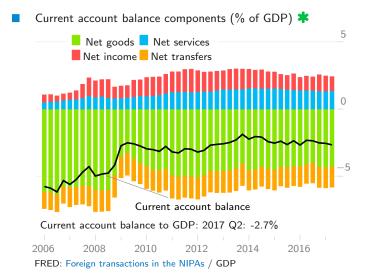


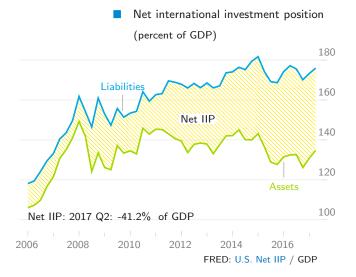
FRED: Import Price Indexes by Locality of Origin

### Trade and External Sector Indicators

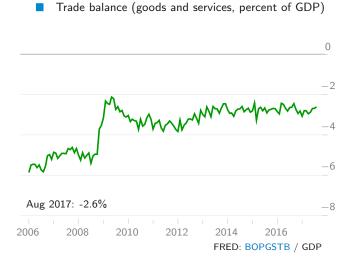




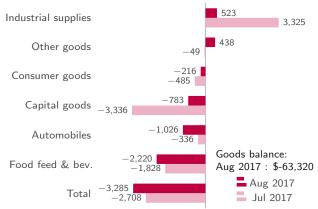








### Net exports of goods (USD, millions, one-year change)



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

### Total 307 1,927 Other business 1,065 1,105 Financial serv. 584 620 Maint. & repairs 115 203

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

Financial serv.

aint. & repairs

Travel

-19

Intell. prop. \_1,054

Insurance

Telecom

Government

-143

Government

-143

-165

Transportation

-180

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

### Capital Flows

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



Treasury International Capital (TIC) System

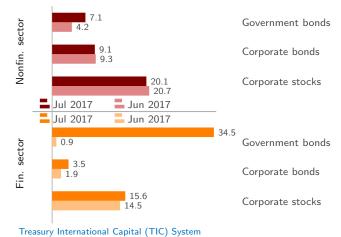
### ■ Foreign purchases and sales of U.S. securities



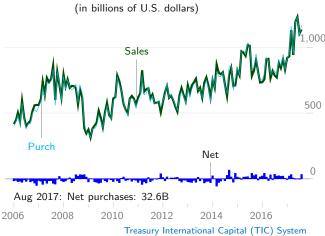
Aug 2017: Net purchases: 34.05
2006 2008 2010 2012 2014 2016

Treasury International Capital (TIC) System

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



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



### Exchange Rate Table

■ Indirect exchange rates against the US Dollar ( ■ USD)

Currency	$Rate^1$	$1~{\sf day}$ % ch.	1 week % ch.	1 month % ch.	$1~{\sf year}$ % ch.	1 year high	1 year low	Updated:
EUR	0.862	▲ 0.28	▲ 1.27	▲ 1.23	▼ -5.62	0.962	0.831	2017-10-30
GBP	0.761	▼ -0.03	▲ 0.42	▲ 1.98	<b>▼</b> -7.75	0.831	0.736	2017-10-30
JPY	113.739	▼ -0.34	▼ -0.27	▲ 0.77	<b>▲</b> 7.95	118.253	103.060	2017-10-30
CAD	1.283	▼ -0.13	▲ 1.51	▲ 2.73	<b>▼</b> -4.28	1.375	1.211	2017-10-30
<b>■</b> MXN	19.156	▼ -0.12	▲ 0.86	<b>▲</b> 4.88	▲ 1.01	21.921	17.490	2017-10-30
<b>X</b> AUD	1.304	▼ -0.11	▲ 1.78	▲ 2.33	▼ -0.87	1.393	1.241	2017-10-30
CNY	6.659	▲ 0.27	▲ 0.30	▲ 0.28	<b>▼</b> -1.75	6.957	6.485	2017-10-30
<b>CHF</b>	0.998	▼ -0.01	▲ 1.20	▲ 2.62	▲ 1.08	1.030	0.945	2017-10-30
<b>™</b> ∵ NZD	1.457	▼ -0.35	▲ 1.16	<b>▲</b> 4.92	<b>▲</b> 4.26	1.463	1.329	2017-10-30
SEK	8.367	▲ 0.02	▲ 2.25	▲ 2.66	▼ -7.51	9.404	7.919	2017-10-30
NOK	8.160	▼ -0.29	▲ 1.99	▲ 2.60	<b>▼</b> -1.35	8.712	7.729	2017-10-30
DKK	6.412	▲ 0.27	▲ 1.24	▲ 1.22	▼ -6.05	7.155	6.186	2017-10-30
RUB	58.096	▲ 0.44	▲ 0.95	▼ -0.12	▼ -8.36	65.960	55.780	2017-10-30
<b>★</b> HKD	7.803	▲ 0.02	▲ 0.02	▼ -0.07	▲ 0.63	7.826	7.753	2017-10-30
SGD	1.365	▼ -0.15	▲ 0.18	▲ 0.45	<b>▼</b> -1.86	1.451	1.339	2017-10-30
TWD	30.137	▼ -0.25	▼ -0.28	▼ -0.49	<b>▼</b> -4.87	32.437	29.988	2017-10-30
C* TRY	3.787	▼ -0.83	▲ 2.61	▲ 5.53	<b>▲</b> 17.83	3.877	3.093	2017-10-30
KRW	1125.460	▼ -0.27	▼ -0.74	<b>▼</b> -1.76	<b>▼</b> -1.88	1209.840	1109.250	2017-10-30
ZAR	14.099	▼ -0.98	▲ 2.89	▲ 3.73	▲ 1.63	14.470	12.470	2017-10-30
<b>♦</b> BRL	3.235	<b>▼</b> -1.60	▲ 1.36	▲ 1.33	▲ 1.04	3.576	3.056	2017-10-30
INR	64.873	▲ 0.42	▼ -0.36	▼ -1.00	▼ -2.96	68.805	63.641	2017-10-30
	3.530	▲ 0.15	▲ 1.05	▼ -0.23	▼ -8.97	3.880	3.482	2017-10-30
EGP	17.631	▲ 0.04	▼ -0.15	▼ -0.04	<b>▲</b> 49.76	19.620	8.858	2017-10-30
IDR	13588.000	▼ -0.40	▲ 0.53	▲ 1.14	▲ 3.98	13643.000	13014.000	2017-10-30
ТНВ	33.230	▼ -0.06	▲ 0.09	▼ -0.16	▼ -5.39	35.990	33.055	2017-10-30
MYR MYR	4.235	▲ 0.04	▲ 0.30	▲ 0.38	▲ 0.90	4.496	4.176	2017-10-30
ARS	17.606	▼ -0.24	▲ 0.84	▲ 0.26	▲ 13.89	17.802	14.900	2017-10-30
COP	3008.920	▼ -0.15	▲ 2.56	▲ 2.44	▲ 0.79	3181.000	2821.500	2017-10-30
CLP	634.900	▲ 0.08	▲ 1.07	▲ 1.81	▼ -2.95	678.390	613.260	2017-10-30

Quandl: CURRFX/USD(CUR)

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