

Various Examples

Intro to Data Visualization

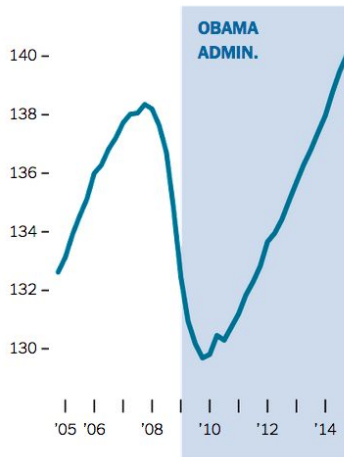
Gaston Sanchez

CC BY-SA 4.0

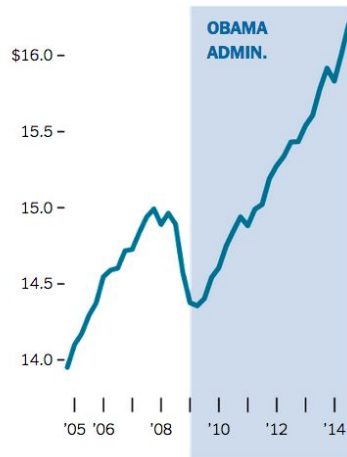
The New York Times

The Economy Picks Up Speed

TOTAL U.S. JOBS IN MILLIONS

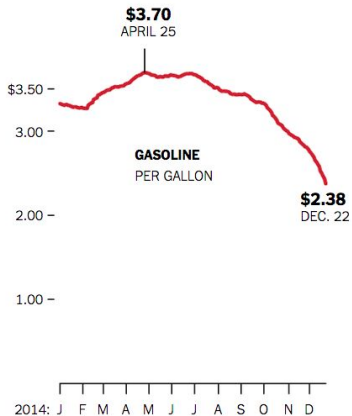
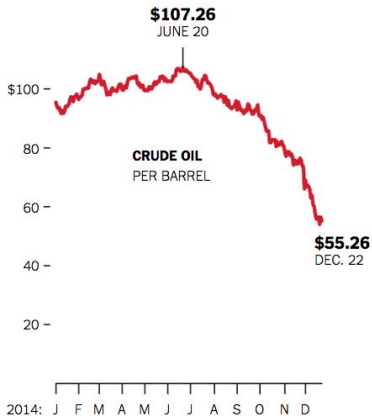


REAL G.D.P. IN TRILLIONS



Sources: Bureau of Labor Statistics; Bureau of Economic Analysis

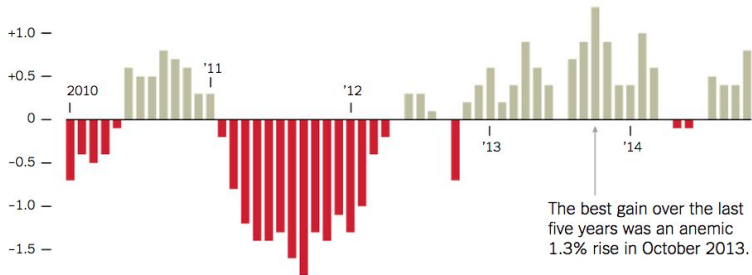
Plunging Oil Prices



Sources: New York Mercantile Exchange; American Automobile Association

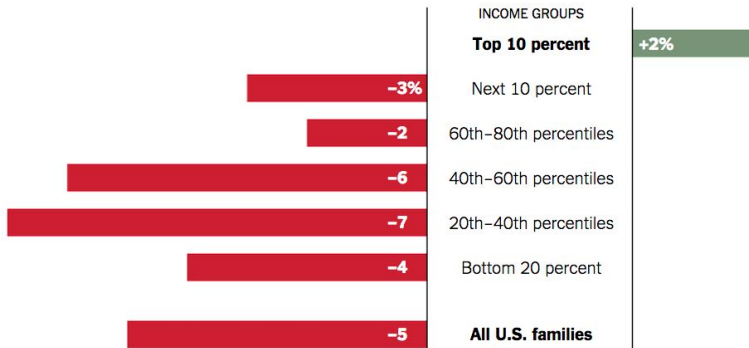
Wages Still Lag

Year-over-year percentage change in hourly earnings of all U.S. private workers.



Inequality Gets Even Worse

Percent change in median family income, 2010-2013.

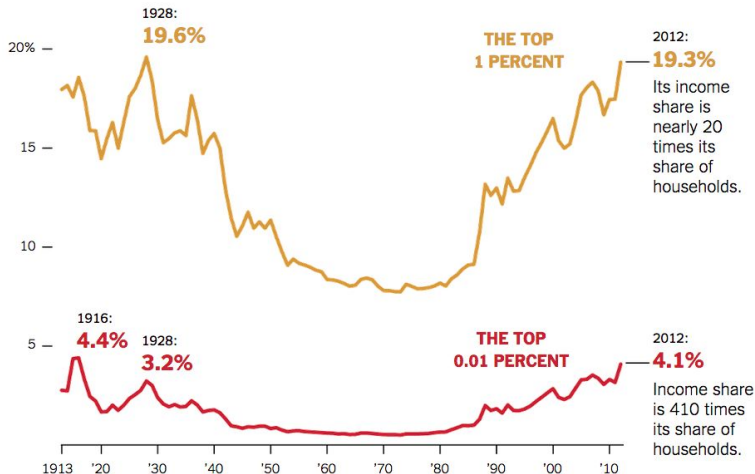


Figures are change in median pretax income in each percentile range. Adjusted for inflation.

Source: Federal Reserve

It's Very Good at the Very Top

Percent of all income received by the top 1 percent and 0.01 percent of U.S. households.

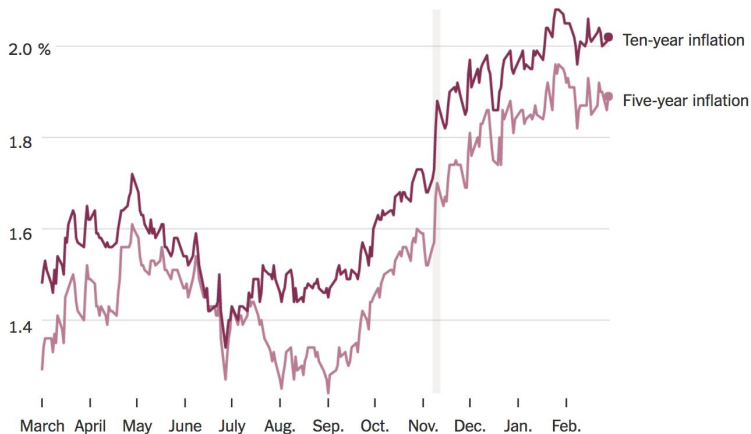


Source: The World Top Incomes Database

Inflation Expectations Have Risen

Bond market prices suggest inflation expectations have risen sharply since Election Day.

U.S. Treasury bond inflation compensation



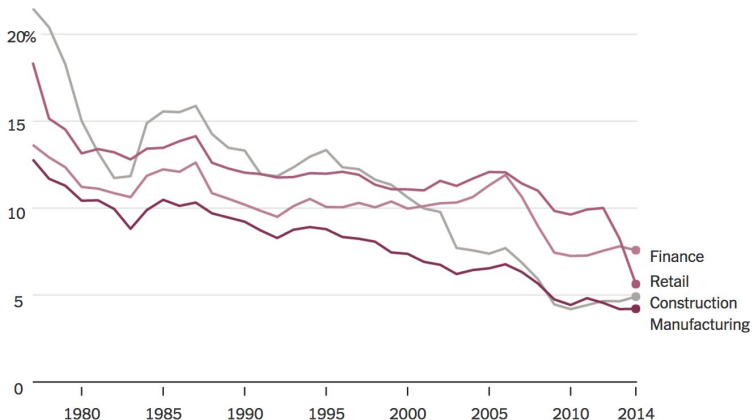
inflation compensation is the gap between yields of inflation-indexed bonds and conventional bonds, and implicitly conveys investors' expectations of future annual inflation. Shaded area is week of Election Day.

Source: Federal Reserve

Fewer New Businesses Are Being Formed

Since the 1970s, the rate at which companies have been created has fallen across sectors.

Rate of new business formation

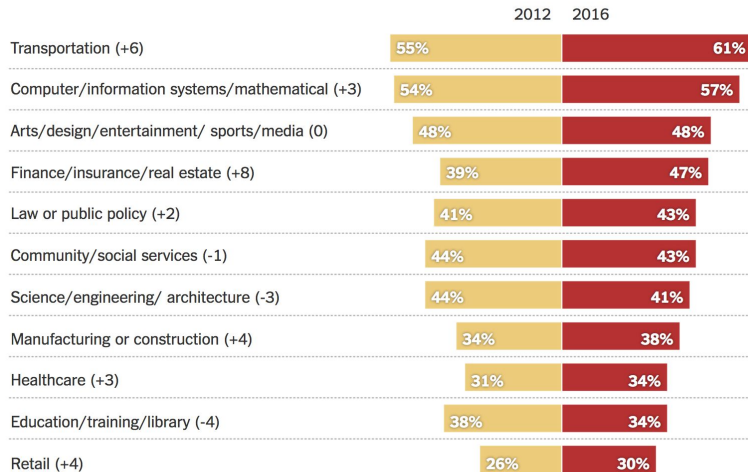


Number of businesses that are less than a year old, as a proportion of existing businesses

Source: Economic Innovation Group analysis of Census Bureau data

Most Industries Embrace Remote Work

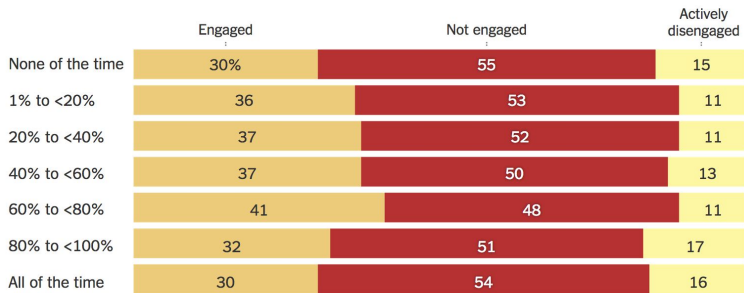
Share of workers who spend some of the time working remotely.



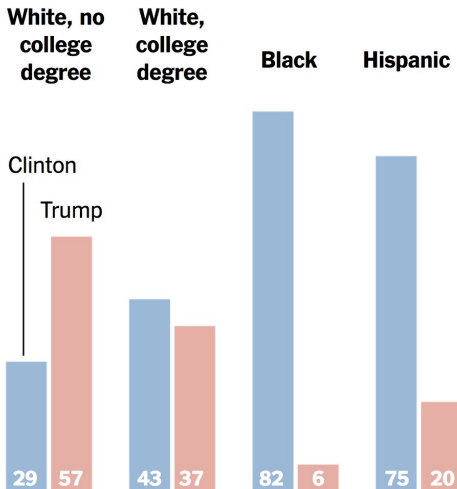
Source: Gallup

The Remote Work Sweet Spot

Employees who spend three to four days off-site report feeling most engaged at work.

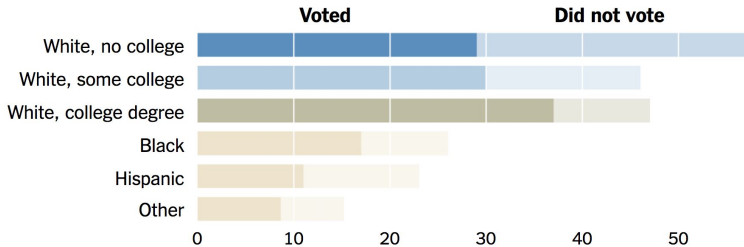


Source: Gallup

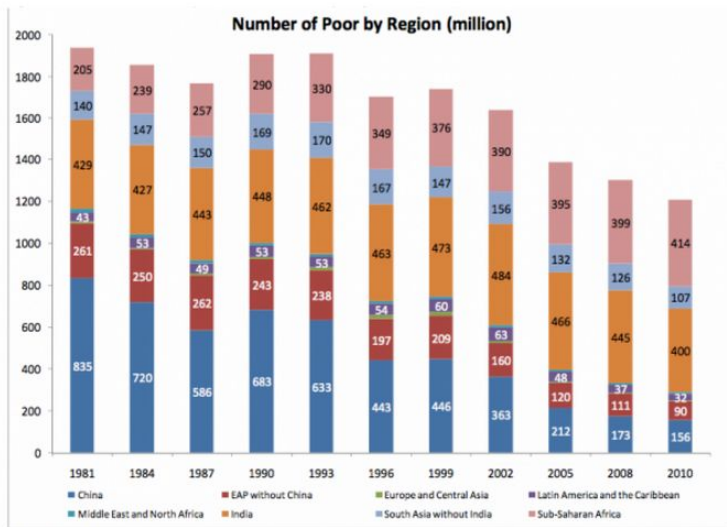


Education questions from Fox News poll, Oct. 26;
Black and Hispanic from Economist/You Gov Poll,
Nov. 1

Voting-age population, in millions

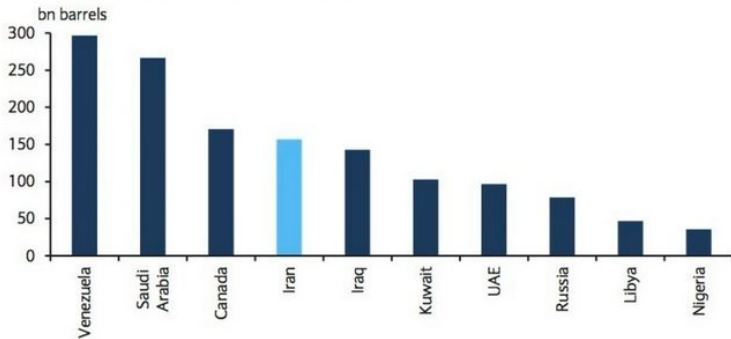


The Washington Post



Source: [World Bank](#).

Top ten crude oil proved reserves in 2015. Iran has the fourth largest

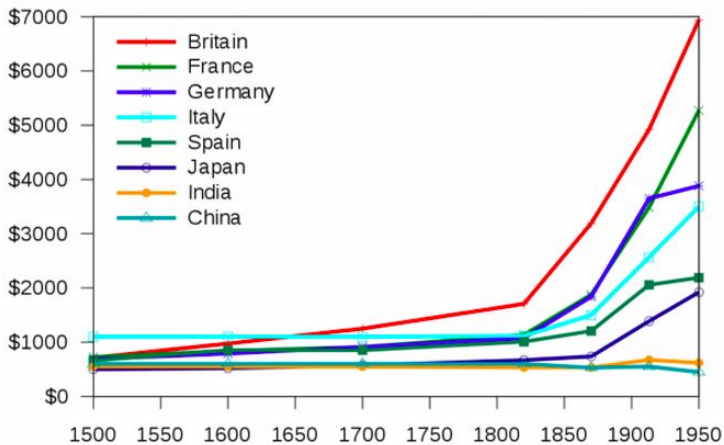


Barclays

- US Regular All Formulations Gas Price (left)
- Crude Oil Prices: Brent - Europe (right)
- Crude Oil Prices: West Texas Intermediate (WTI) - Cushing, Oklahoma (right)



Shaded areas indicate US recessions - 2015 research.stlouisfed.org



Source :[Angus Maddison](#); chart by [Kanguole](#)

Five Thirty Eight (538)

- ▶ 33 Weirdest Charts From 2014

<https://fivethirtyeight.com/datalab/our-33-weirdest-charts-from-2014>

- ▶ 47 Weirdest Charts From 2015

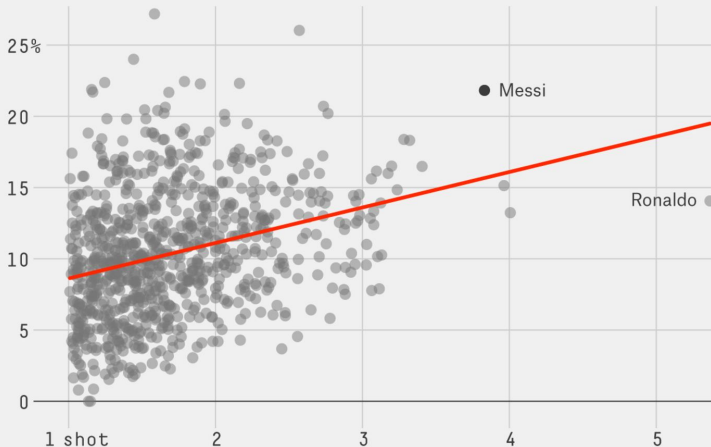
<https://fivethirtyeight.com/features/our-47-weirdest-charts-from-2015>

- ▶ The 52 Best, and weirdest, charts of 2016

<https://fivethirtyeight.com/features/the-52-best-and-weirdest-charts-we-made-in-2016/>

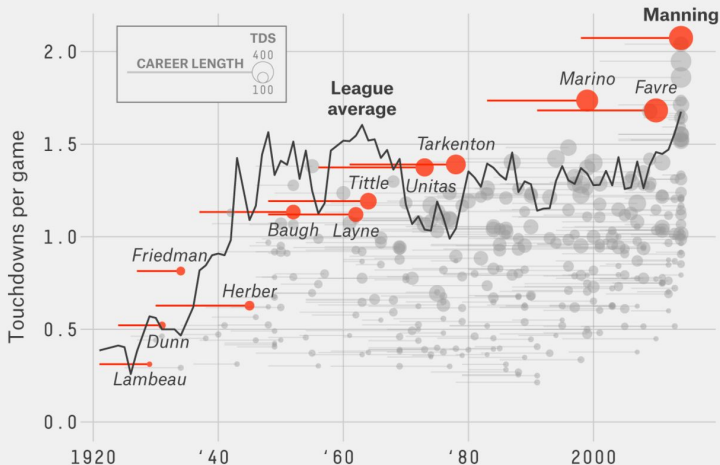
Shooting Efficiency vs. Shooting Volume

In-play goal percentage vs. shots per game



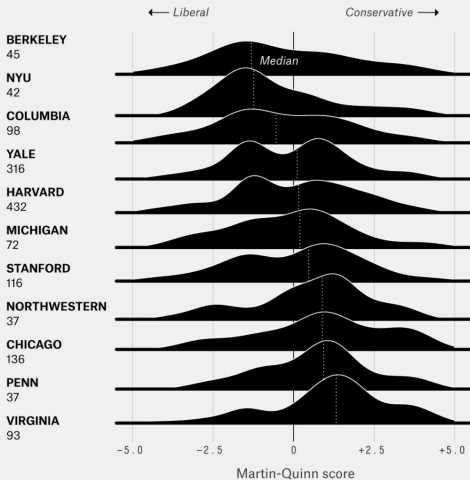
Manning Is More Than A Product Of His Era

Career TDs per game against league average by year, minimum 20 career TDs; QBs in red have held the touchdown record



The Wide-Ranging Politics Of Elite Law Schools

Distributions of justice ideology for Supreme Court clerks, by school since 1937

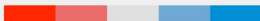


ALLISON MCCANN

What Countries Think of One Another

Favorability scores based on weighted survey results from 2012 and 2013

◀ LESS FAVORABLE MORE FAVORABLE ▶



This country's opinion of these countries

| | U.S. | Russia | England | Greece | France | Italy | Germany | Spain |
|---------|------|--------|---------|--------|--------|-------|---------|-------|
| England | 30 | -13 | 83 | 9 | 42 | 53 | 65 | 69 |
| Greece | -34 | 24 | -43 | 67 | -1 | 42 | -102 | 49 |
| France | 26 | -48 | 60 | -25 | 31 | 35 | 85 | 45 |
| Italy | 77 | -72 | 50 | -48 | 8 | 20 | 50 | 27 |
| Germany | 14 | -37 | 44 | -66 | 69 | 38 | 84 | 51 |
| Spain | 43 | -29 | 58 | -48 | 48 | 23 | 81 | -16 |

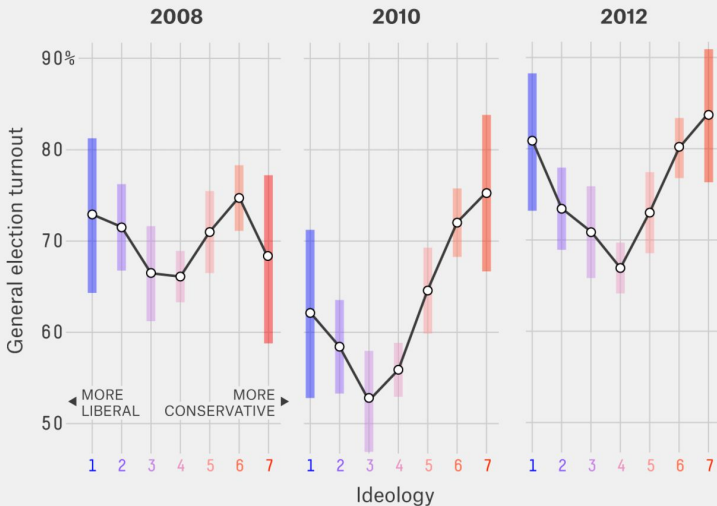
Fifty years of California reds

Average price in recent auctions of a 750 ml bottle of red wine vs. vintage, by California wine-growing region



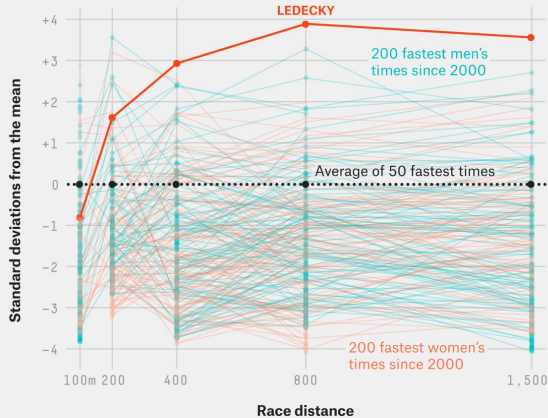
Conservatives (and liberals) vote more

Average general election turnout by self-identified ideology (2008)



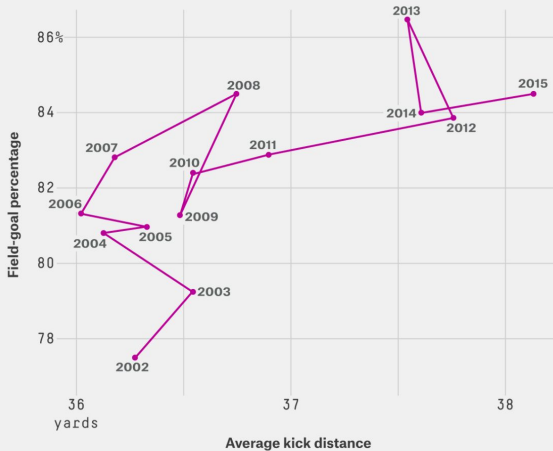
The most dominant swimmer this century

Standard deviations of the fastest 200 men and women's times at each distance since 2000 from the average of the best times of the top 50 swimmers



Kickers are taking longer attempts than ever

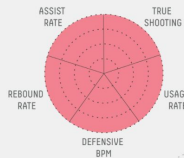
Field-goal percentage for all kicks vs. average kick distance



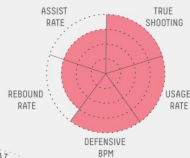
Well-rounded shooters

Relative abilities, by quartile, of three players compared with the abilities of the average top-five NBA 3-point shooter

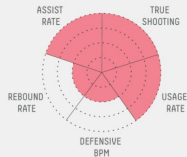
Larry Bird
(1985)



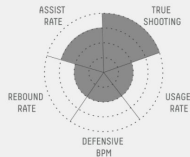
Kawhi Leonard
(2016)



Stephen Curry
(2016)



Top five average
(‘97-98 to ‘15-16)



U.S. women are earning more golds

Share of U.S. gold medals won by women at Summer Olympic Games since 1900

