

# What's in a Graph? (Daily Warm-up)

Ryan Miller

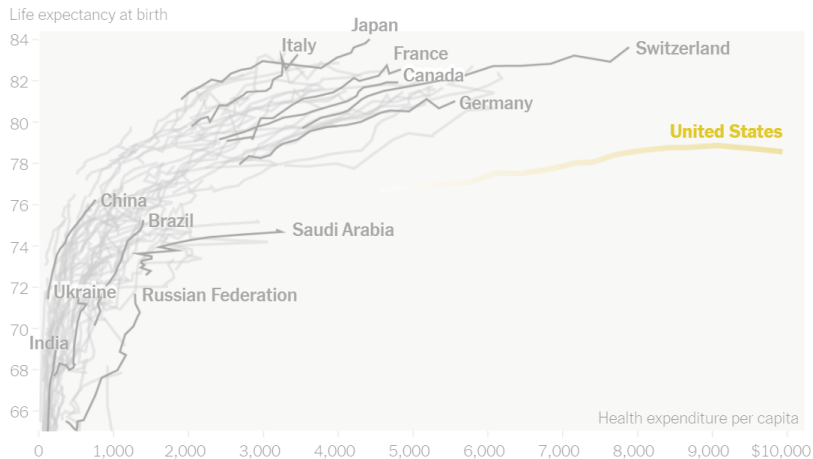


Two important goals of the Midterm Project in Math-156:

- 1) Develop an ability to identify and interpret patterns via data visualization
- 2) Develop an ability to communicate these findings using the proper statistical terms

For the first couple of weeks we will begin class (on most days) with brief warm-up that addresses these goals by analyzing and discussing a different data visualization.

# Graph #1 (Monday 1/10)



Note: Current health expenditure per capita, purchasing power parity, reflects current international dollars. Both measures span 2000-2017. Source: World Bank

[Source/full-size link](#)

# Graph #1 (Discussion Questions)

1. What are the *variables* depicted on this graph? What are the *subjects/units* that are being considered?
2. What is the strongest predictor of *greater improvements* in a country's life expectancy (at birth)?
3. What do you think was the message that graph's creator wanted convey? Do you have any criticisms or concerns regarding the evidence this graph provides?