

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

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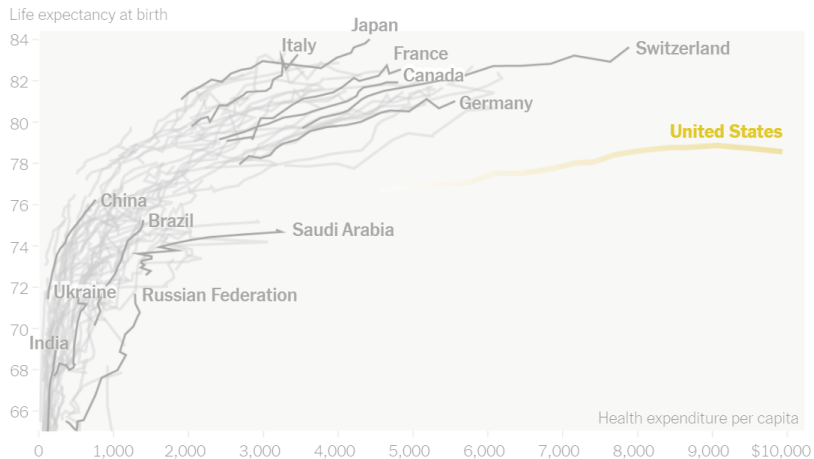
# Introduction

Two important goals of Math-146:

- 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

We will begin class on most days with brief warm-up that addresses these goals by analyzing and discussing a different data visualization. I encourage you to keep track of our discussions, Exam #1 will include one graph/question similar to those we've discussed in class.

# 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?