

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

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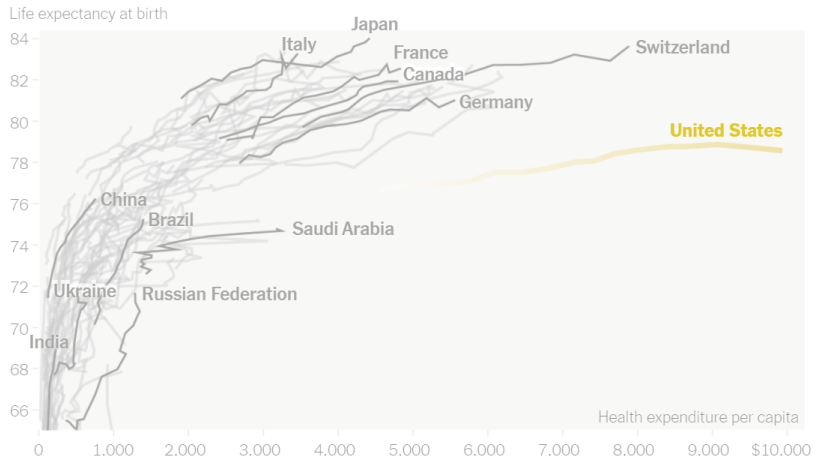


Two important goals of Math-146:

- 1) Develop your ability to identify and interpret patterns via data visualization
- 2) Develop your ability to clearly 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, each exam will include at-least 1 multivariate graph.

Graph #1 (Monday 8/16)



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?
2. Based upon the graph, 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?