

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

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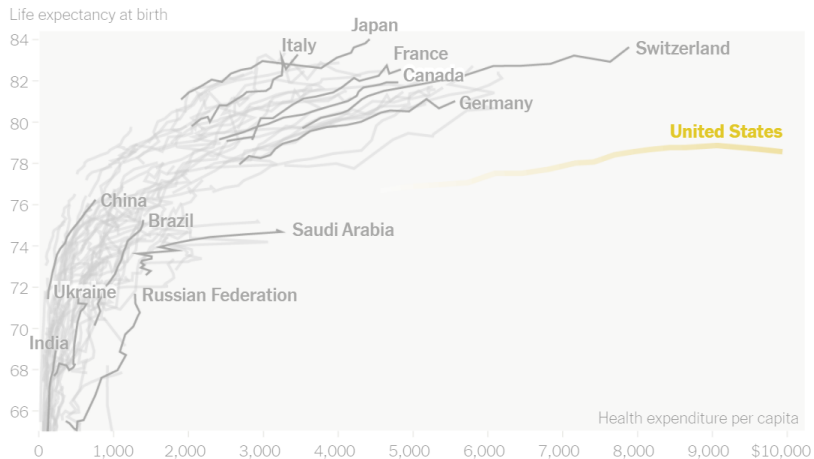


Two important characteristics of a statistician:

- 1) Able to identify and interpret important trends in data
- 2) Able to clearly communicate these trends to both technical and non-technical audiences

To help develop these characteristics, and to help get to know each other, we'll begin most classes by discussing a “daily graph”

# Graph #1 (Tuesday 8/17)



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

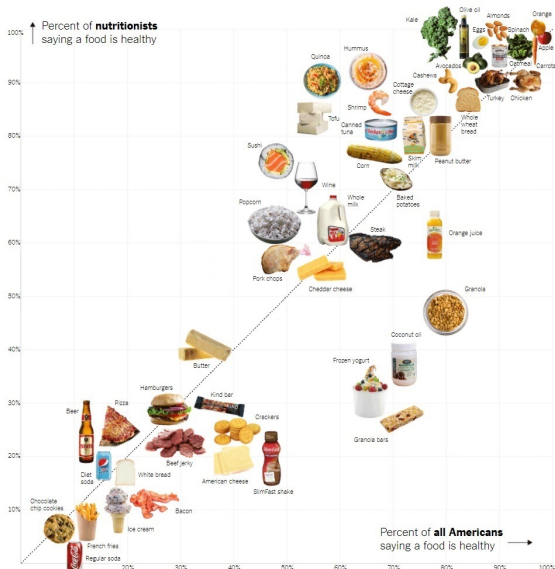
[Source/full-size link](#)



## Graph #1 (Discussion Questions)

1. What are the *variables* depicted on this graph?
2. Based upon the graph, what is the strongest predictor of *larger improvements* in a country's life expectancy?
3. What do you think was the main message that the creator of this graph intended to convey?

# Graph #2 (Thursday 8/19)



Source/full-size link



## Graph #2 (Discussion Questions)

1. What *variables* are depicted on this graph?
2. What value/use is the 45-degree line drawn on the graph?
3. Which foods do you think received the most attention in this graph's accompanying article?