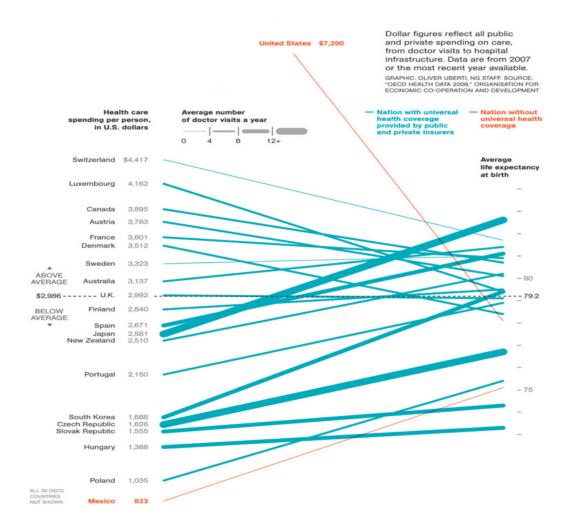
DS 100/200: Principles and Techniques of Data Science

Discussion #5

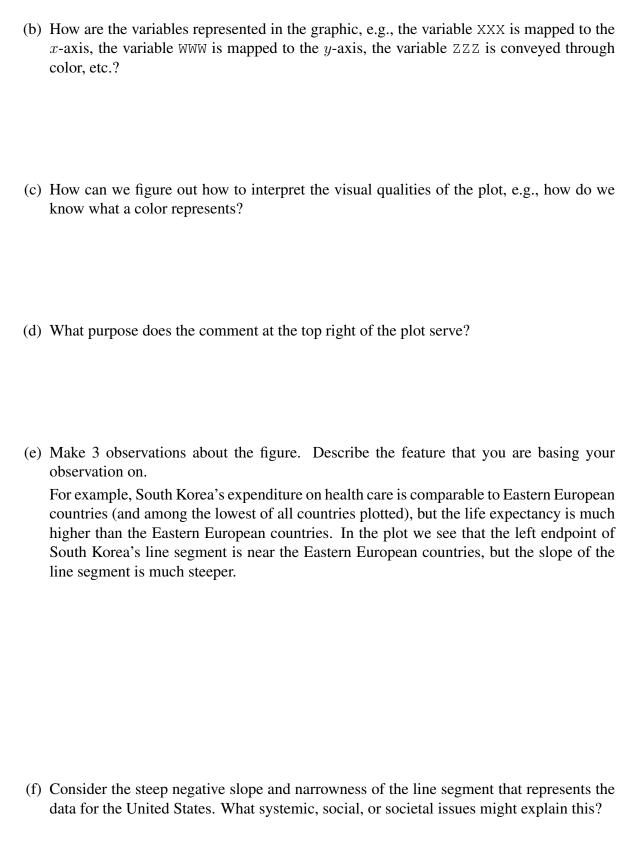
Date: Feb 21, 2020

Name:

Data Visualization



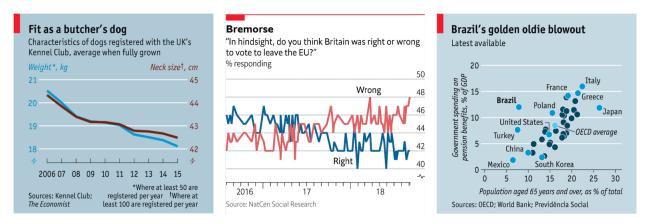
- 1. The first part of the discussion will be centered on the above visualization.
 - (a) Five variables are being represented visually in this graphic. What are they and what are their types?



Discussion #5

2.	Name and sketch some appropriate printed (on paper) 2D visualizations if your goal is to explore:
	(a) The distribution of population for various cities.
	(b) The distribution of income.
	(c) The relationship between income and life expectancy.
	(d) The relationship between income and city.
	(e) The relationship between income, life expectancy, smoking status(non-smoker, social smoker, smoker), and city
3.	Creating visualizations that represent data accurately and that support the narrative we wish to create is no easy task. Even the journalists and editors at <i>The Economist</i> , a newspaper known for it's compelling, data-driven articles, have been known to make blunders. Three of their ill-thought-out plots are presented below. Consider what aspects of the visualizations are misleading, and think of ways in which you can remedy them.

Discussion #5



Hint: The datapoints in the rightmost plot are shaded based on whether or not they are labeled.