

Codecademy Capstone Project:

Life Expectancy and GDP Data

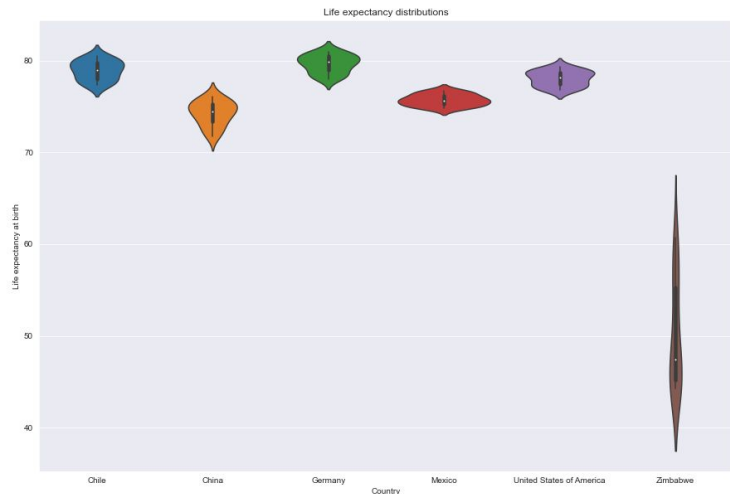
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January 2, 2018

Overview

- For this presentation, I will act as a data researcher for the World Health Organization. I will show you my analyze data on GDP and life expectancy from the World Health Organization and the World Bank and we'll try to identify the relationship between the GDP and life expectancy of six countries.

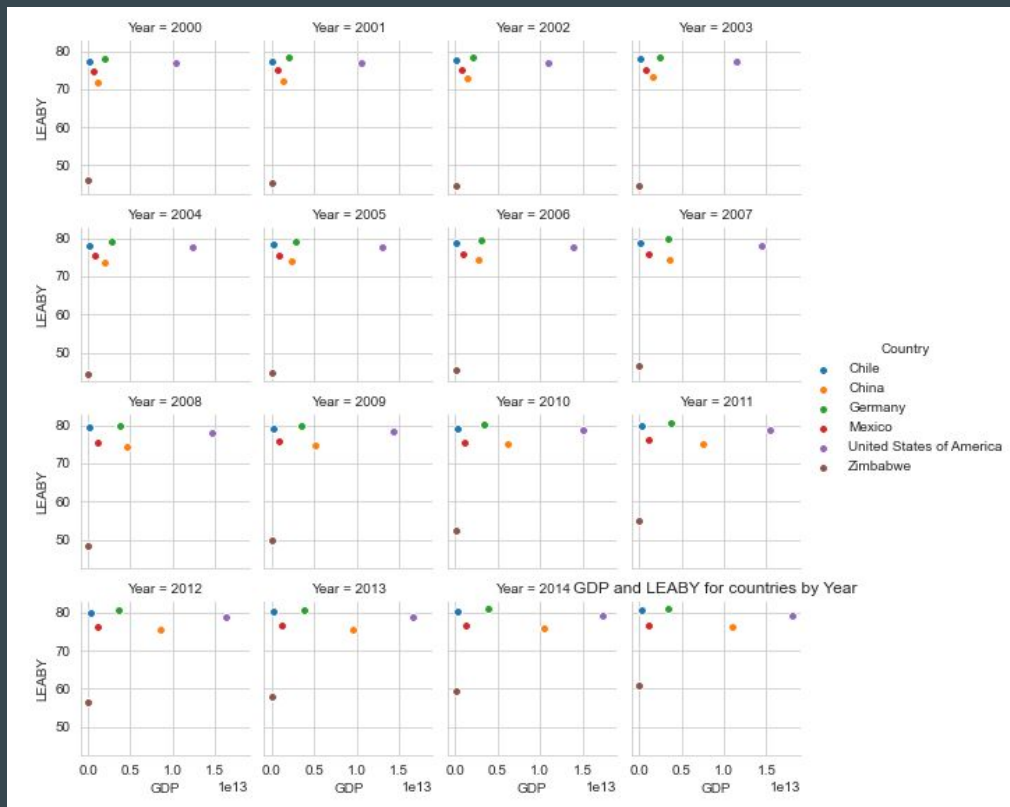
Life expectancy distributions by country



What do you notice about this distribution?
Which country's life expectancy has changed the most?

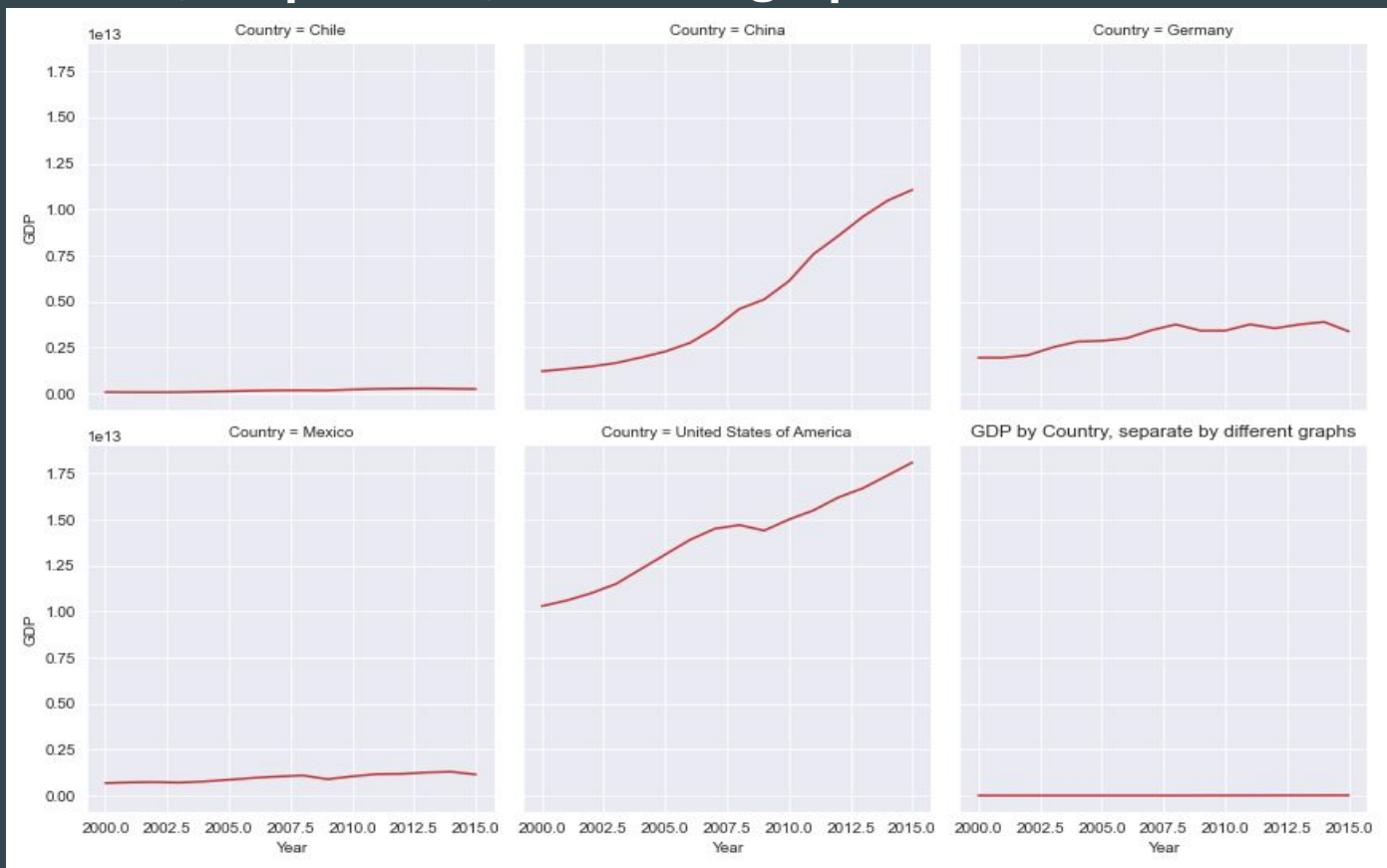
- On no! Jelly fishes all over the place! :D
- We could clearly see an outlier - Zimbabwe. It has a lowest LEABY level of 35~ and its highest level also the lowest compared to others country, it only intersects the lowest level of China at 70~ mark

GDP and Life Expectancy by country

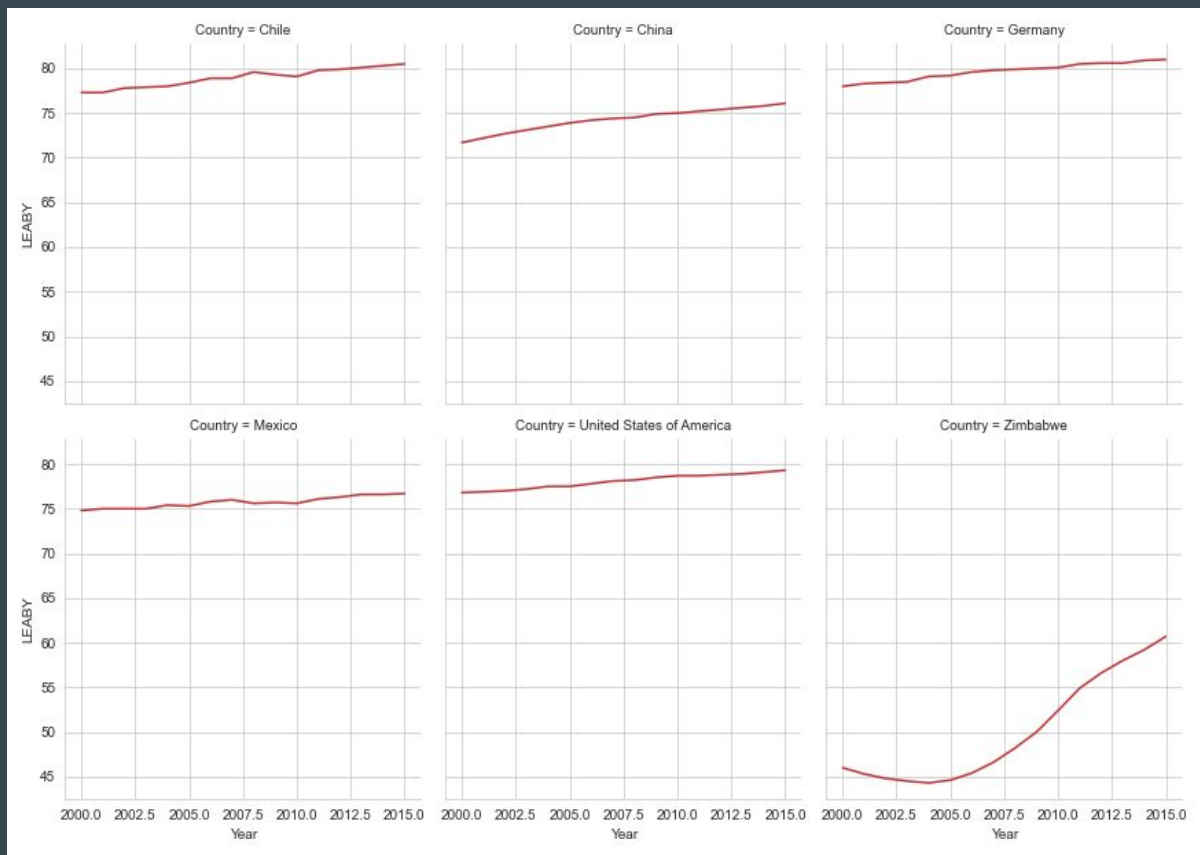


- Which country moves the most along the X axis over the years?
 - Which country moves the most along the Y axis over the years?
 - Is this surprising?
 - Do you think these scatter plots are easy to read? Maybe there's a way to plot that!
1. It is US, ofc!
 2. Zimbabwe
 3. No, because we've analyzed it already in previous plots
 4. Well, I think yes - it's easy to read but some additional explanation is needed

GDP by Country, separate by different graphs



LEABY by Country, separate by separate graphs



- Which countries' line changes the most?
 - It's still Zimbabwe where we could see a curve from 45 to 65
- What years are there the biggest changes in the data?
 - 2015
- Which country has had the least change in life expectancy over time?
 - It's probably Mexico, muy bien
- Can you think of any reasons that the data looks like this for particular countries?
 - Cmon, it's getting tedious now. All countries are showing a constant growth over the year, except for Zimbabwe that had a curve but now is also growing

Research on the subject:

- What happened in China between in the past 10 years that increased the GDP so drastically?
 - Thanks for a good question, few things: vast and cheap labour power, lower transactional cost due to technological development. Government has ability to change and implement things quickly, also it's able allocate resources and directly commands large portion of national assets and income

To follow-up:

- Does histories and the cultural values of each country relate to its GDP and life expectancy?
- What would have helped make the project data more reliable? What were the limitations of the dataset?
- Which graphs better illustrate different relationships?

Thank you!