

Assignment 4: Becoming an Independent Data Scientist

1 Region and Domain

Countries of the world

Economics

2 Research question

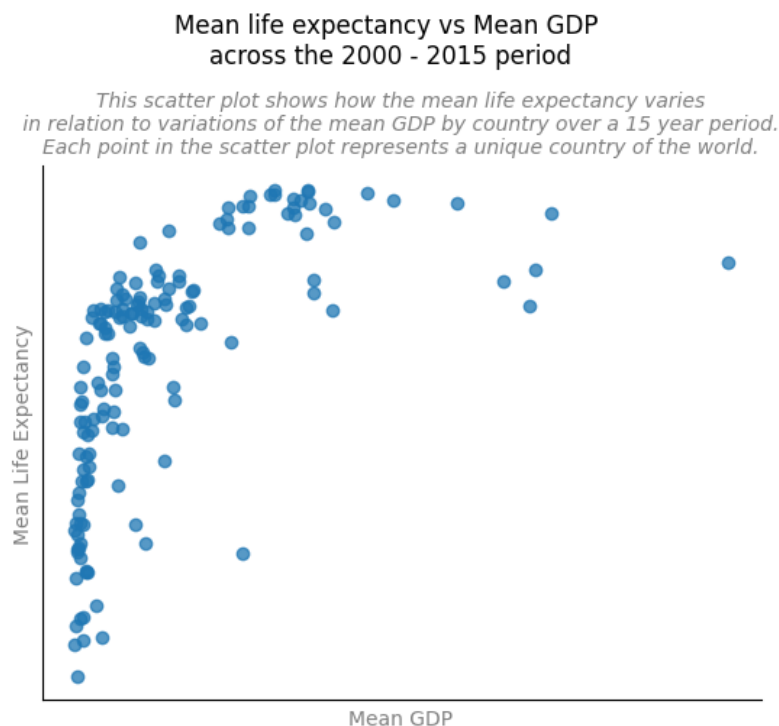
How does the mean GDP (Gross Domestic Product) relates to the mean life expectancy in countries around the world across the 2000 – 2015 period?

3 Links

For this project I used two publicly accesible datasets that can be found and downloaded from kaggle

- <https://www.kaggle.com/datasets/amirhosseinmirzaie/countries-life-expectancy>
- <https://www.kaggle.com/datasets/nitishabharathi/gdp-per-capita-all-countries>

4 Image



5 Discussion

The research question that this visualization tries to address is concerned with the relationship between variations in mean GDP by country over a period of fifteen years, and the variation in mean life expectancy over that same period of time.

The scatter plot above shows that on the low range of the x axis values, small changes in mean GDP are related with big differences in values of mean life expectancy. In other words, there is an initial exponential increase of values of mean life expectancy with small increases of mean GDP. After that initial increase, the values of mean life expectancy don't show much further variation, and the scatter plot shows a somewhat stable value of mean life expectancy for countries independently of their mean GDP value.