

Assignment 9.1: Countries Through Time Summary

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My presentation, titled “Countries Through Time,” is designed to look at the relationship between Gross Domestic Product (GDP), life expectancy, and child mortality rate for several different countries between 1960 and 2015. I analyzed the data for five countries: Afghanistan, China, the Philippines, Sweden, and the United States. My goal is to answer the question of whether there is a relationship connecting GDP with life expectancy or mortality rate, and how strong that relationship is. In addition, I made predictions for life expectancy, mortality rate, and GDP for all five countries up to the year 2020 and analyzed whether these predictions were accurate. With regards to my research question, the data shows some correlation between the variables. My graphs revealed that when a country’s life expectancy increases (and its mortality rate decreases), then its GDP is bound to increase as well. However, the data also revealed that some countries may have higher life expectancies but lower GDPs, and vice versa. Thus, I concluded that although a relationship exists between GDP and life expectancy or mortality rate, the relationship is a relatively weak one. Regarding my Tableau predictions, I used real data from 2017 to compare to my predictions for 2017. The Tableau predictions tended to be more accurate for developed nations, and the GDP predictions were generally more accurate than the predictions for life expectancy or child mortality.