Life Expectancy Mile Stone Phase One

Data Measurement

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Data Measurement: It is the collection of observations or values that may take any value within interval numbers

By: Vemuri Saraswathi

Department: M.TECH CSE DS

Analysis:

1. Do you see any countries with a better or worse life expectancy than peer countries (geographically, GDP, population, etc.)?

1.1 Developing Countries that are selected: Afghanistan, Albania, Algeria, Angola, Antigua and Barbuda, Bangladesh, Belgium, and Cambodia.

* 1. By comparing the nine countries together, I understand that the Life Expectancy of Belgium in the year 2015 is greater than other countries in the same year, Angola has the lowest life expectancy, Algeria has the highest population, and Albania has the lowest population among nine different countries.
  2. In developing countries, Algeria has the highest value in schooling and Afghanistan has the lowest value.
  3. Developed Countries like Australia, Denmark, Germany, Hungary, Slovenia, Switzerland, Singapore, Poland, Netherlands.
  4. The Life Expectancy of Switzerland is the highest, Hungary is the lowest, the population of Germany is higher, and Slovenia is less than the other countries that are taken into consideration.
  5. In developed countries, Australia has the highest value in schooling, and the country with the lowest value is Singapore.
  6. When we compare the developed and developing country’s life expectancies of Belgium and Switzerland, the developed country Switzerland has a higher value than Belgium.

1. How did you decide which attributes were most important for your analysis?
   1. The main objective or goal of this report is to analyze the data from the Life Expectancy Data Set.
   2. The attributes that are important for life expectancy are Income Composition of Resources, Schooling, Adult Mortality, Gross Domestic Product, thinness 5-9 years, and thinness 10-19 years.
   3. First, the Income Composition of Resources is important for life expectancy because a higher the income composition of resources there will be a chance of higher life expectancy.
   4. Second, Schooling is crucial for life expectancy because the education of every individual engages in new technologies, healthier activities, and knowing more information about health and medicines. For example, the probability of consuming alcohol and smokers decreases with increasing education level.
   5. Thirdly, Adult Mortality is the number of young people who die in the countries. As life expectancy increases with age in any country, this factor influences the life expectancy. The adult mortality rate has an impact on population growth too because adult mortality and population growth are directly proportional to each other.
   6. Fourthly, Gross Domestic Product is one of the social factors that is useful for predicting life expectancy. If the gross domestic product is higher, there is a chance of increasing life expectancy.
   7. Fifthly, thinness between 5-9 years, and 10-19 years shows some consequences on life expectancy. Having more thinness leads to the mortality rate. There are some chances that health might be affected due to low immunity, lack of vitamins and required supplements, and so on. So, it is better to maintain or gain the correct weight according to age.
2. Describe any relationships or trends you observed while conducting your analysis.
   1. while conducting the analysis, the developed countries have a greater range than the developing countries in the field of income composition of resources. The below image shows the result of the above statement:
   3. By dealing with further analysis of the data, the rise of schooling, and income composition of resources in both developed and developing countries will lead to an increase in life expectancy from the below chart:
   4. While scrutinizing Adult Mortality and Life Expectancy, life expectancy decreases when adult mortality is high in different countries. The below chart depicts that Adult Mortality and Life Expectancy are inversely proportional to each other: