
ASSIGNMENT1: VISUALIZATION

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MODULE: APPLIED DATA SCIENCE-1

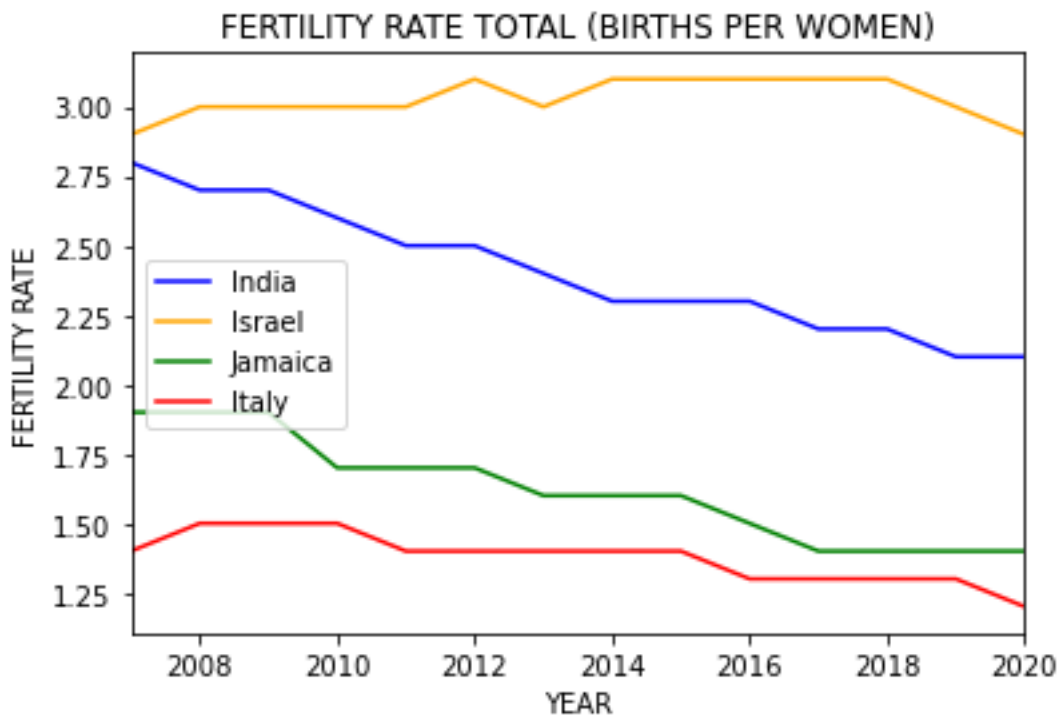
GIT HUB LINK: <https://github.com/Aneenababu123/Aneenavadakkethala>

DATA SOURCE LINK: <https://data.worldbank.org/>

Excel file where the datasets stored

ONE DRIVE LINK: [ASSIGNMENT](#)

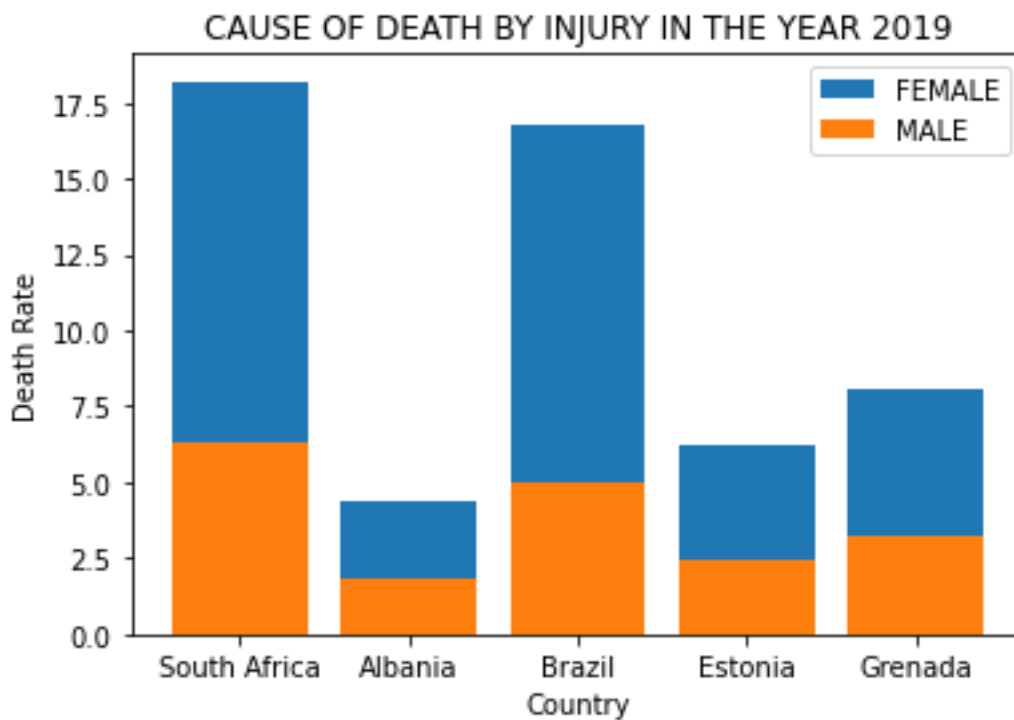
LINE GRAPH



A line graph which is helpful to depict the change in trends using various kind of data sets.

The above line graph shows the changes in the fertility rates of four different countries between 2008 to 2020. Looking from an overall perspective, it is seen that the rate was highest at first then, the statistic fertility rate in India, Jamaica and Italy constantly went down apart from this only Israel was having a stable birth rate per females. In India and Jamaica there was a dramatic decline in their fertility rate.

BAR GRAPH

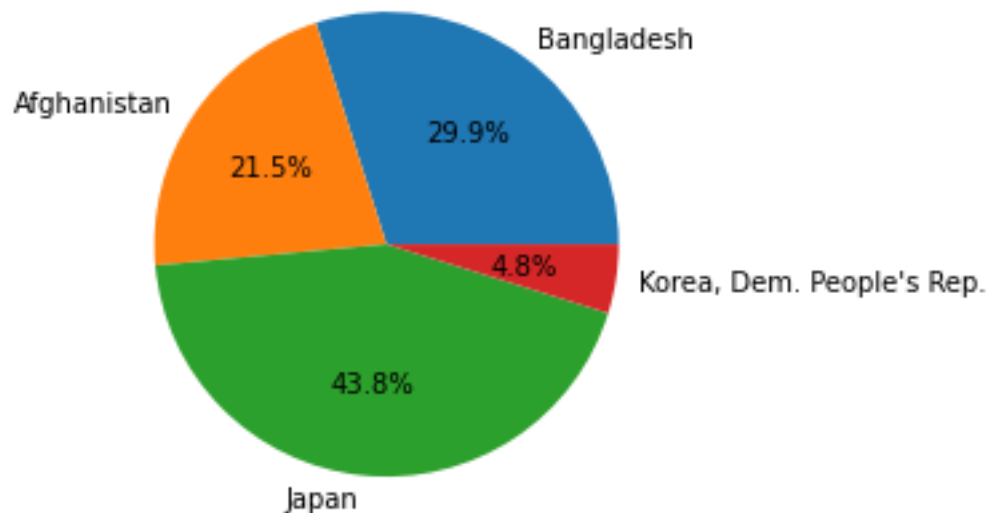


A bar graph usually represents discrete and continuous variables, here using this data it is easy to compare the death rate by gender.

The above bar chart estimates the death statistics of males and females who died due to injury in respective countries in the year 2019. It's clearly depicts that nation's such as South Africa and Brazil female has the highest death ratio and the fatality rate is high in South Africa. Moreover, while comparing with other nations Albania is the safest country where the total death rate is below 5. Countries like Estonia and Grenada lies in third and fourth place respectively, which is experienced nearly the same as its rate. Comparing the death rate of males in South Africa is nearly higher in rate than other countries.

PIE CHART

MOBILE SUBSCRIPTION RATE PER 100 PERSON IN THE YEAR OF 2017



A pie chart usually works best with few variables and better to explain sample data, here we can easily analyse the use of mobile subscription based on the corresponding data set.

The provided pie chart shows the mobile subscription statistics information taken within hundred people from four different countries in the year 2017. It is evident that around a half of the people in Japan were using the mobile subscriptions. But in the Democratic Peoples of Republic Korea, roughly 4% drop in using mobile subscriptions. Which is crystal clear that the people living in North Korea are in less use of cellular technology. Moving to Bangladesh less than a third of people and in Afghanistan roughly just one quarter of people are involved in mobile subscription. This shows that Japan's mobile subscription industry is one of the most advanced among these countries.

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