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7PAM 2000 Applied Data Science 1

Assignment – 1(Rework)
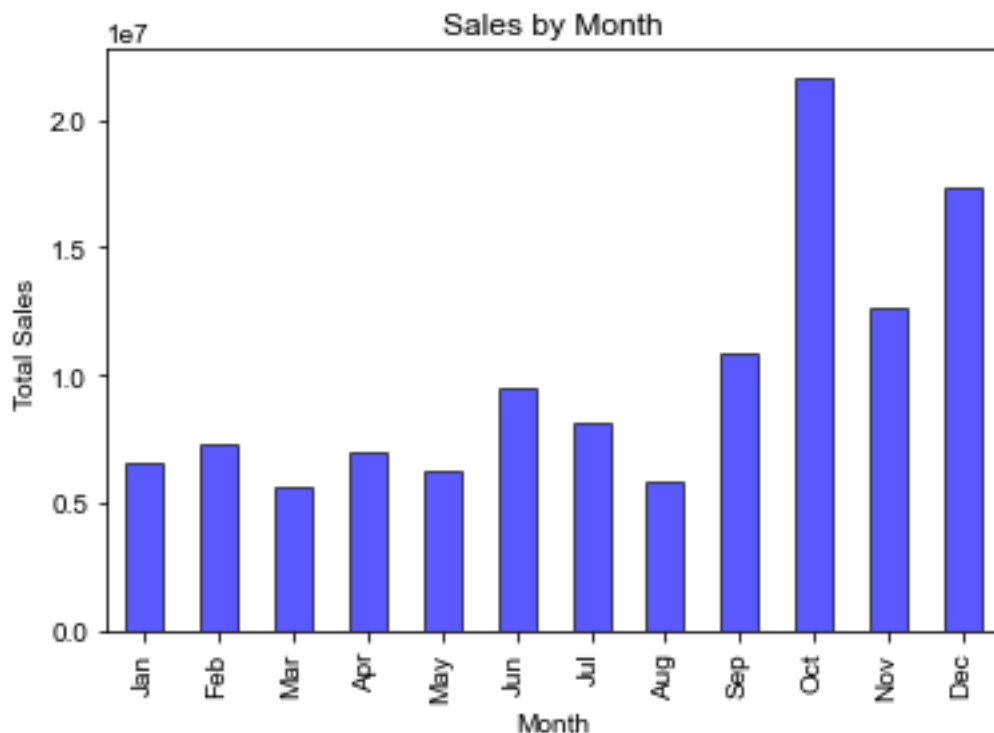
Gitlab-link: https://github.com/vasanthk99/ADS_assignment1-rework-

Visualization 1: Bar plot

Source of Dataset:

https://databank.worldbank.org/source/health-nutrition-and-population-statistics

The dataset used for this analysis contains information about sales, including dates and corresponding sales figures. The purpose of the chart is to gain insights into the sales trends over time and identify any significant patterns or fluctuations.
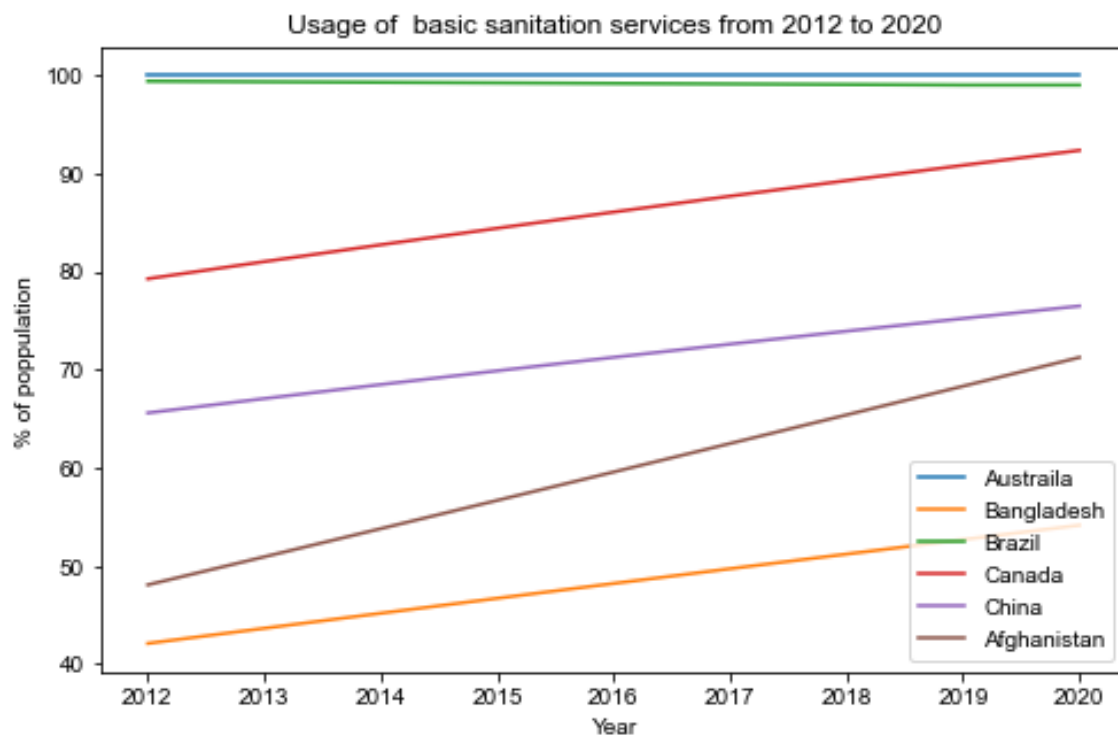

The above bar chart is created by combining the time in months on the X-Axis with the sales total on the Y-Axis. The month of October had the greatest recorded sales. The month of March had the lowest reported sales for the products.

Visualization 2: Line plot

 Source of Dataset:

line plot to visualize the usage of basic sanitation services across multiple countries from 2012 to 2020. The dataset used in this analysis contains information about the percentage of the population using basic sanitation services in different countries. The purpose of the plot is to compare and observe trends in basic sanitation services usage over the specified time period.
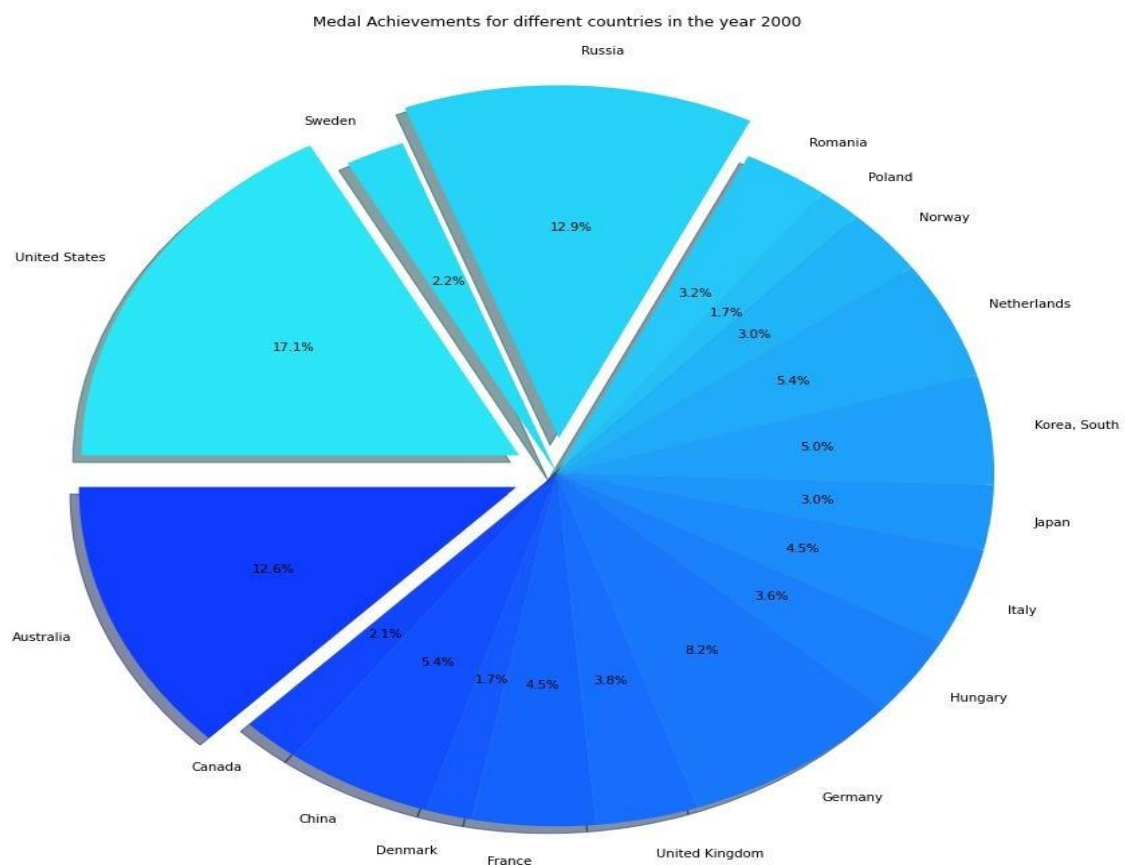
We can observe that the percentage of Australians and Brazilians has been strong and consistent throughout time. The slopes of Canada and China show a consistent increase in percentage from 2012 to 2020. Bangladesh has the lowest percentage, at little more than 40%. Despite a continuous growth in the percentage of individuals using these sanitation services throughout the years, it remains lower than in other countries. Bangladesh will have a 43% of people accessing basic sanitation services by2020.

Visualization 3: Pie Chart

Source of Dataset:

This is a pie chart to visualize the distribution of medal achievements among different countries in the year 2000. The dataset used in this analysis contains information about the number of medals won by each country in various sports events. The purpose of the plot is to represent the relative contribution of each country to the total medal count in the specified year.

The country with the most medals, with 17.1% of all medals won, is the United States. Russia and Australia are in second and third position, respectively, with 12.9% and 12.6%. The two countries with the fewest medals are Poland and Denmark, both of which have 1.7%.