PREDICTIVE MODEL

Data Visualizations:

Using the given dataset, we plan to create various graphs and charts to highlightthe insights and visualizations.

- Build the following visualizations
  - Average Age for different Chest Pain Types
  - Average Max heart beats achieved during Chest Pain
  - Resting Blood Pressure variation with Age
  - Effect of Existing Heart Diseases on Average Max HeartbeatsAchieved
  - Average age for Chest pain type with existing heart disease
  - Serum Cholesterol levels vs Age plot
  - Effect of Existing heart disease on Fasting Blood Sugar

Average Age for Different Chest Pain Types:

With Age, Sex and Chest pain types, we will be plotting BAR chart to see thecomparison between Male and Females as well as average age of people experiencing the same type of Chest Pain.

Average Exercise Angina During Chest Pain:

Here we are plotting the Chest Pain recorded for Exercise Angina for both Maleand Female.

BP Variation with Respect to Age:

We need to consider the age as a factor to plot the resting BP for both the genders.

Effect of Existing Heart Disease on Average of ExerciseAngina:

The below plot represents the average values of Maximum Heart Rate achievedaccording to the Exercise Angina in presence of existing Heart Disease.

Average Age for Different Types of Chest Pain inExisting Heart Diseases:

Here are trying to find out the presence of existing Heart Disease affects the typeof chest pain induced by Age for different gender people.

Serum Cholesterol Levels Vs Age:

The Serum cholesterol values of different gender people with respect to theirage. We are trying to understand the Cholesterol levels by age for Male and Female.

Maximum Heart Rate in Existing Heart Disease byExercise Angina:

The following Bar Plot represents the effect of existing Heart Disease with respectto Exercise Angina.

Dashboard Showing Different Types of Visuals:

Dashboard presenting the following visuals.

1) BP variation wrt to Age in both the Gender people.

2) Max Heart Rate vs exercise Angina in case of Existing Heart Disease.

3) Exercise Angina against the different types of Chest Pain.