Working With Dataset

# Understanding The Dataset

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| Team ID | PNT2022TMID04459 |
| Project Name | Visualizing and Predicting Heart Diseases with an Interactive Dashboard |

## Dataset Link:

<https://www.kaggle.com/datasets/rishidamarla/heart-disease-prediction>.

## About Dataset:

This is a kaggle dataset. It contains 14 fields. The goal of the dataset is to predict the presence of heart disease.

## Understanding:

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| **S No** | **Field Name** | **Description** | **Understanding** |
| 1 | Age | Age of the patient | Contains age of the patient. |
| 2 | Sex | Gender of the patient | Contains values as 0 and 1 representing 2 genders. |
| 3 | Chest Pain | Type of the chest pain | Based on severity of the pain, it is categorized into 4 types. |
| 4 | BP | Blood Pressure | Blood Pressure value of the patient. |
| 5 | Cholesterol | Cholesterol value | Contains tested results of the cholesterol. |
| 6 | FBS over 120 | Fasting Blood Sugar over 120 | 0 - FBS value less than 120.  1 - FBS value greater than 120. |
| 7 | EKG Results | Electrocardiogram | Value of electrocardiogram ranges over 0 to 2. |
| 8 | Max HR | Maximum Heart Rate | Maximum heart rate of the patient. |
| 9 | Exercise Angina | Exercise required for Angina | 0 - No  1 - Yes |
| 10 | ST Depression | Position of ST segment in ECG results | ST Curve value. |
| 11 | Slope of ST | Slop value of ST. | Slope of the ST curve in ECG. |
| 12 | Number of vessels fluro | Vessels identified in Fluoroscopy | Value ranges from 0 to 3. |
| 13 | Thallium | Thallium test result | Contains values of Thallium test result. |
| 14 | Heart Disease | Output to be predicted. | Contains values Presence and Absence which is to be predicted is the goal. |