

# Working With Dataset

## Understanding The Dataset

|              |   |
|--------------|---|
| Team ID      | PNT2022TMID04431  |
| 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:

| 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.<br>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<br>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 fluoro | 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. |