Wireframe Document

Heart Disease Diagnostics Analysis

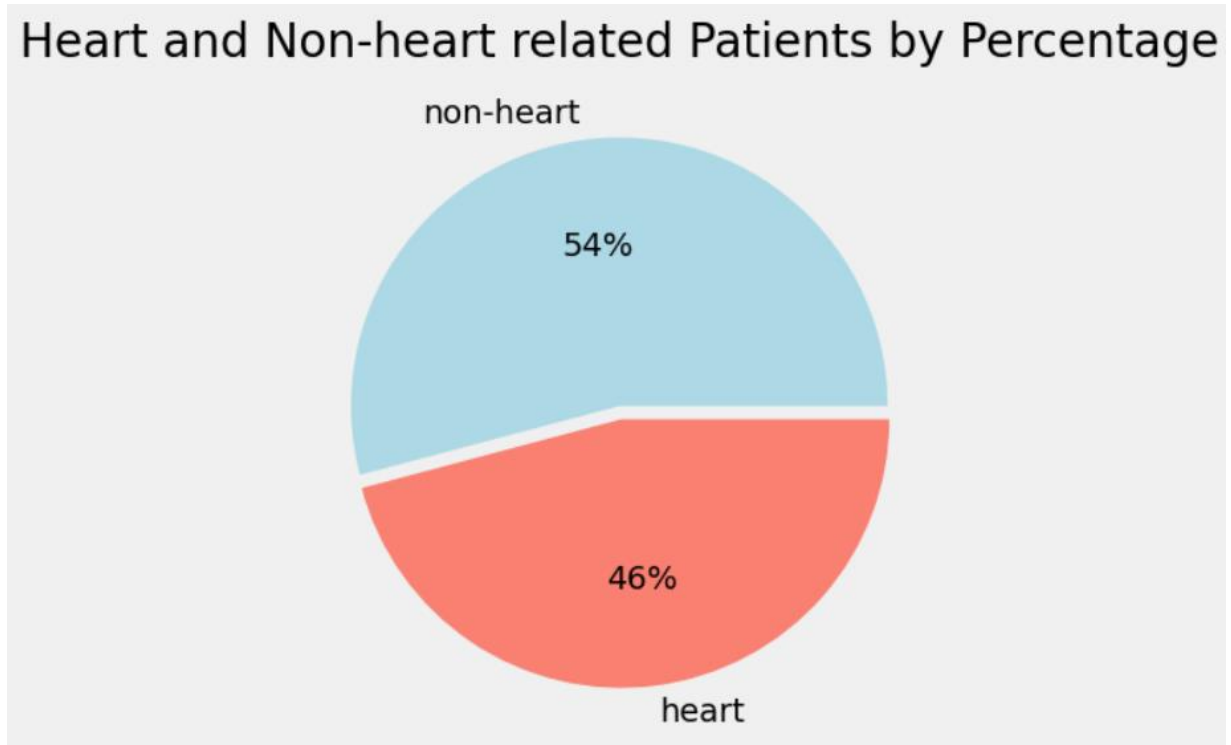**23 Sept 2023**

Sanskar Baluni

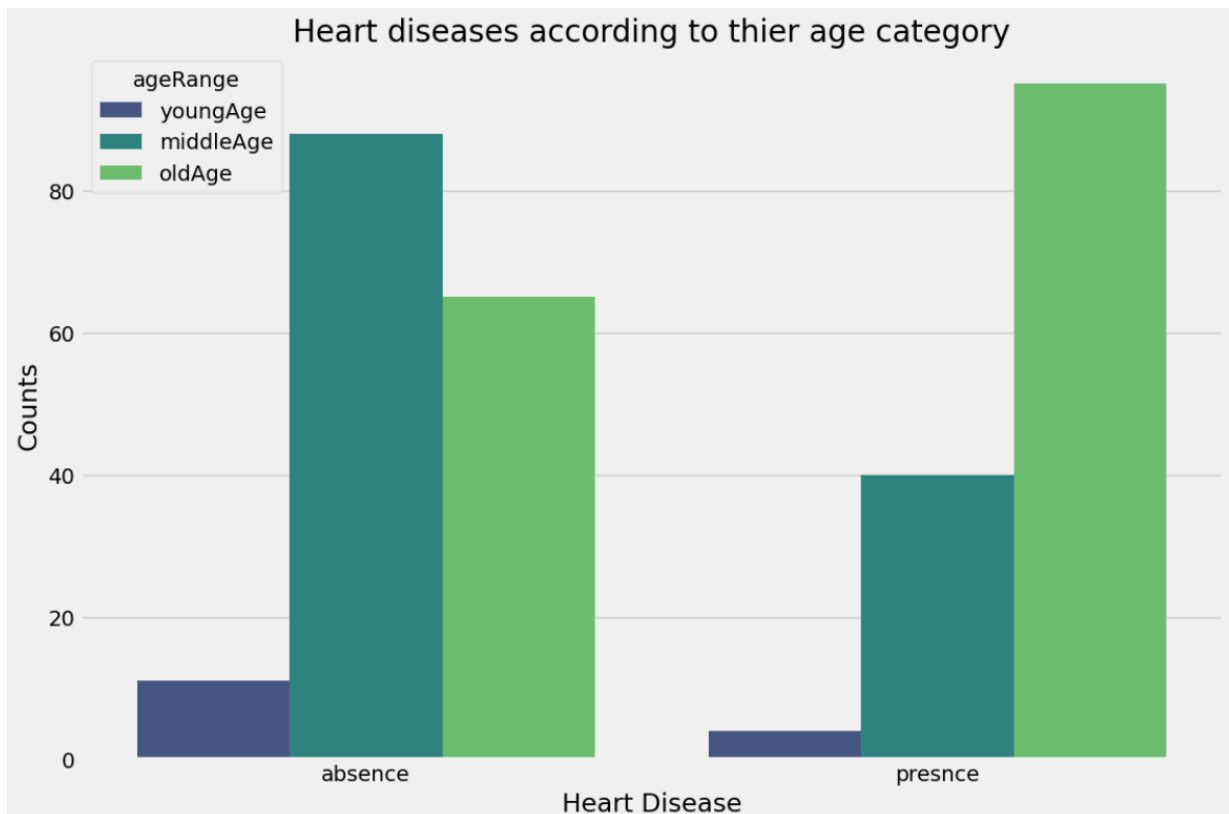# Document Version Control

Date Issued	Version	Description	Author
17/09/2023	1.0	Introduction, Problem Statement	Sanskar
18/09/2023	1.1	Dataset Information, Architecture Description	Sanskar
23/09/2023	1.2	Final Revision	Sanskar

We Performed Exploratory Data Analysis on Jupyter Notebook and then created a Power BI Desktop Dashboard.
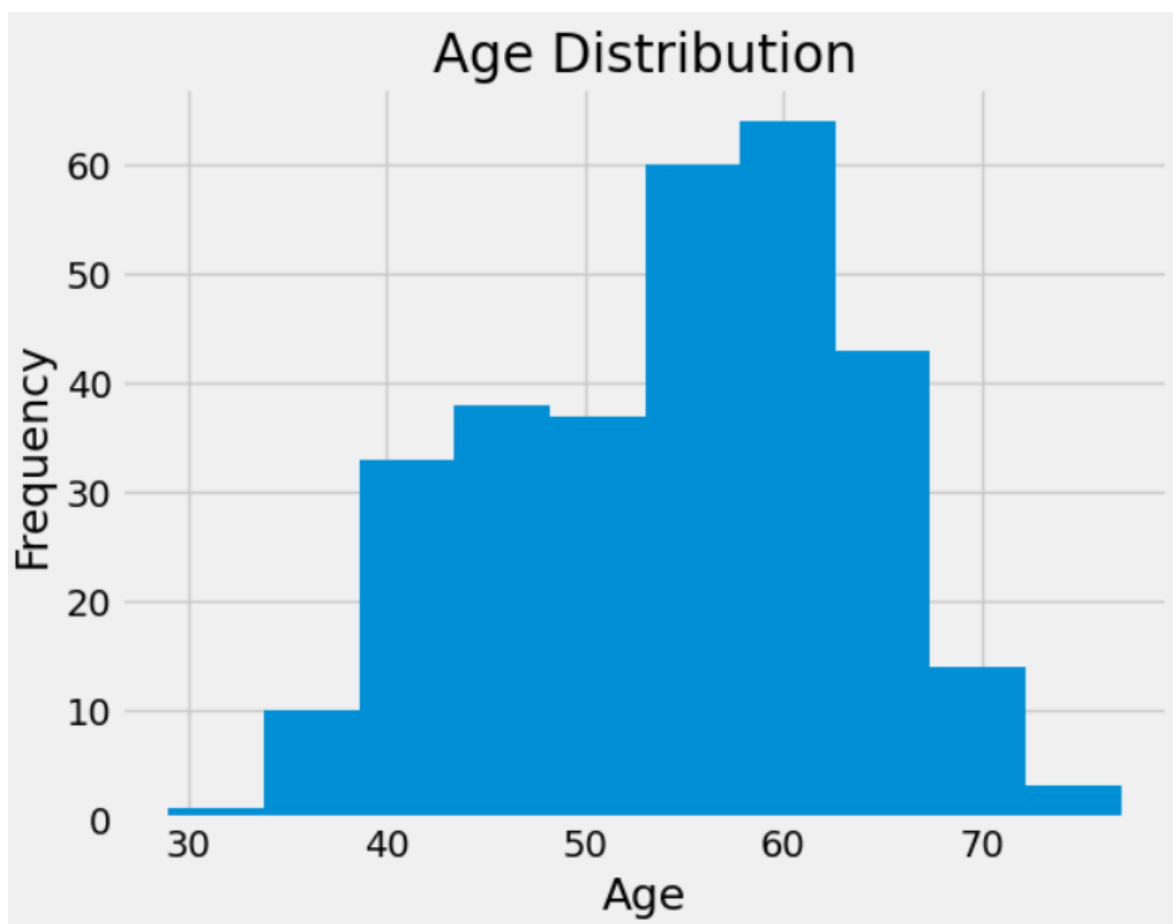
1. What Kind of Population do we have?

Heart and Non-heart related Patients by Percentage

non-heart
54%
46%
heart

46.00% People are suffering from heart disease.

Heart diseases according to thier age category

ageRange
youngAge
middleAge
oldAge

Counts

absence   presnce
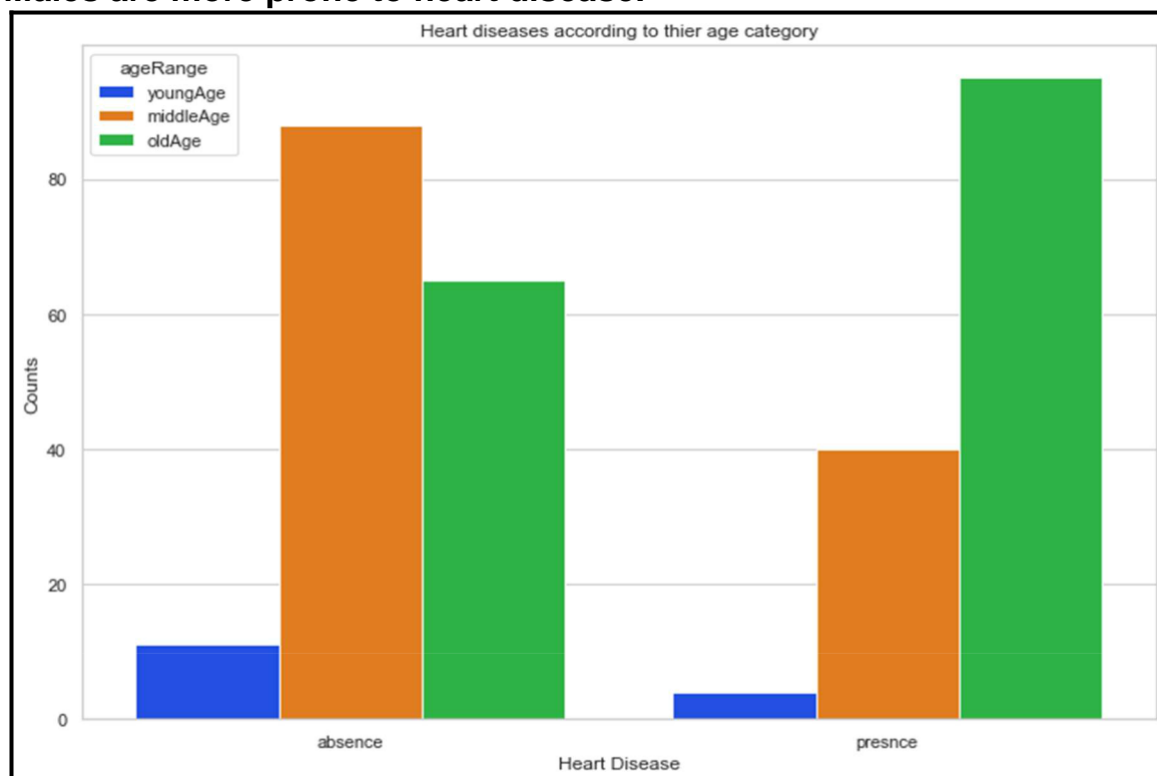Heart Disease

Old Aged People are more (50 to 60 Years) are more in 55 to 65 Years Category.

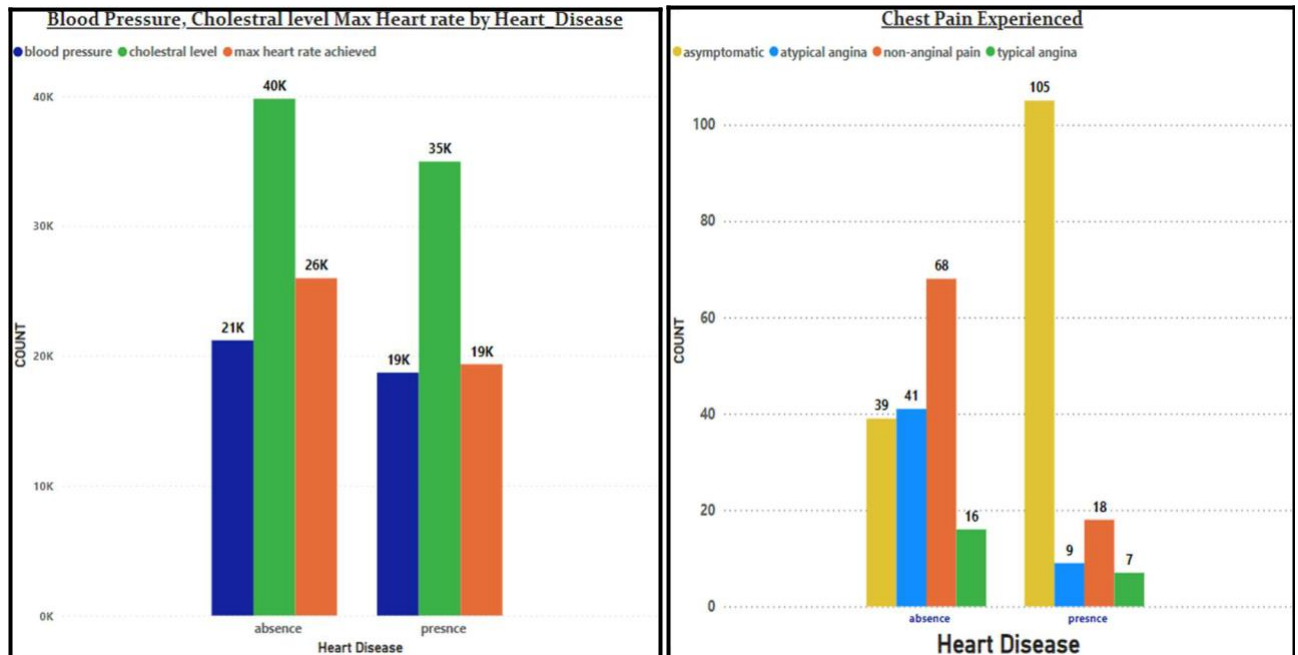## 2. What is the age distribution of the patients of Heart Disease?
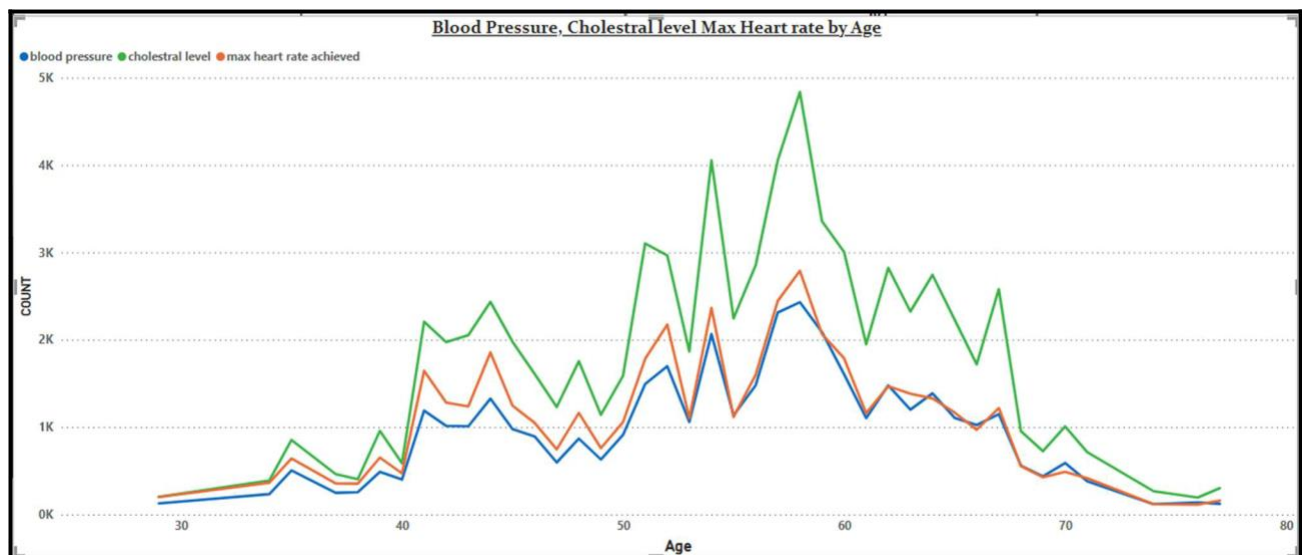

Males are more prone to heart disease.

Old Aged people are more prone to heart disease.

HEART DISEASE DIAGNOSTICS ANALYSIS

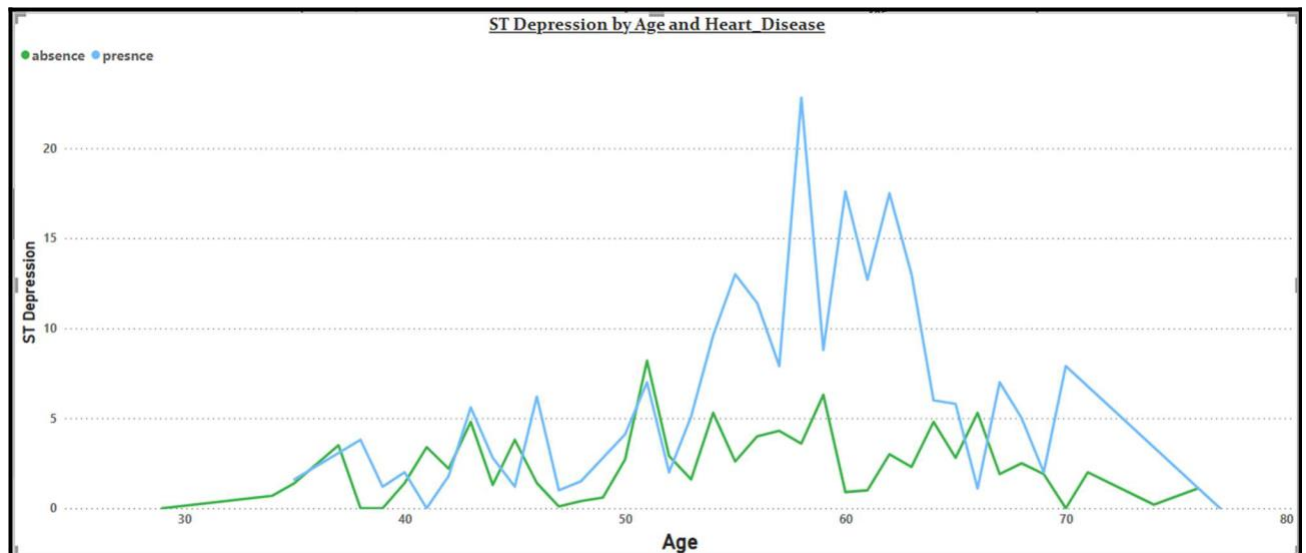### 3. What symptoms people experience in heart disease?

It seems people having asymptomatic chest pain have a higher chance of heart disease. Asymptomatic Chest pain means neither causing nor exhibiting symptoms of heart disease.

It seems high number of cholesterol level in people having heart disease.

Here we can observe that Blood Pressure increases between age of 50 to 60 and somehow continue the pattern till 70.

Similarly, Cholesterol and maximum heart rate Increasing in the age group of 50-60.

ST Depression by Age and Heart_Disease

we can observe from here that ST depression mostly increases between the age group of 30-40.
ST depression refers to a finding on an electrocardiogram, wherein the trace in the ST segment is abnormally low below the baseline.