

# **Wireframe Document**

## **Heart Disease Diagnostic Analysis**



**Revision Number - 1.2**  
**Last Date of Revision - 29/07/2023**

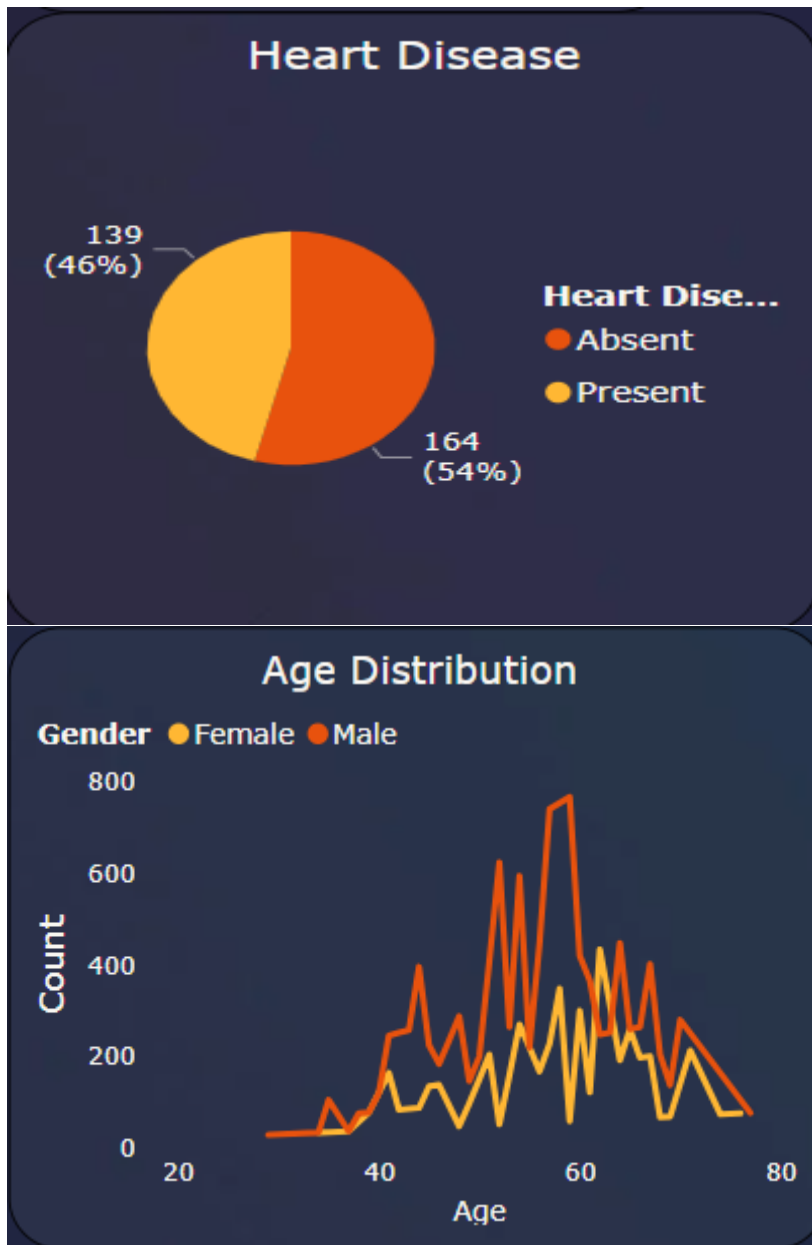
**TAJ HASAN MANSURI**

## Document Control

Date	Version	Description	Author
26/07/2023	1.0	Introduction, Problem Statement	Taj Hasan Mansuri
27/07/2023	1.1	Dataset Information, Architecture Description	Taj Hasan Mansuri
29/07/2023	1.2	Final Revision	Taj Hasan Mansuri

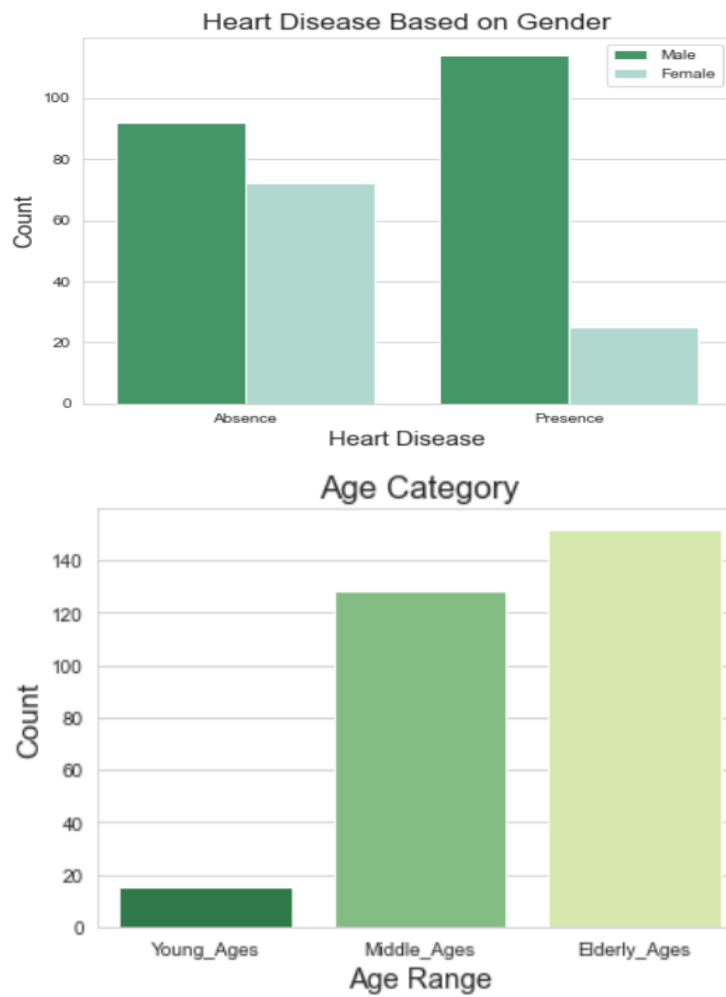
**We Performed Exploratory Data Analysis on Jupyter Notebook and then created a Power BI Desktop Dashboard.**

**1. What Kind of Population do we have?**



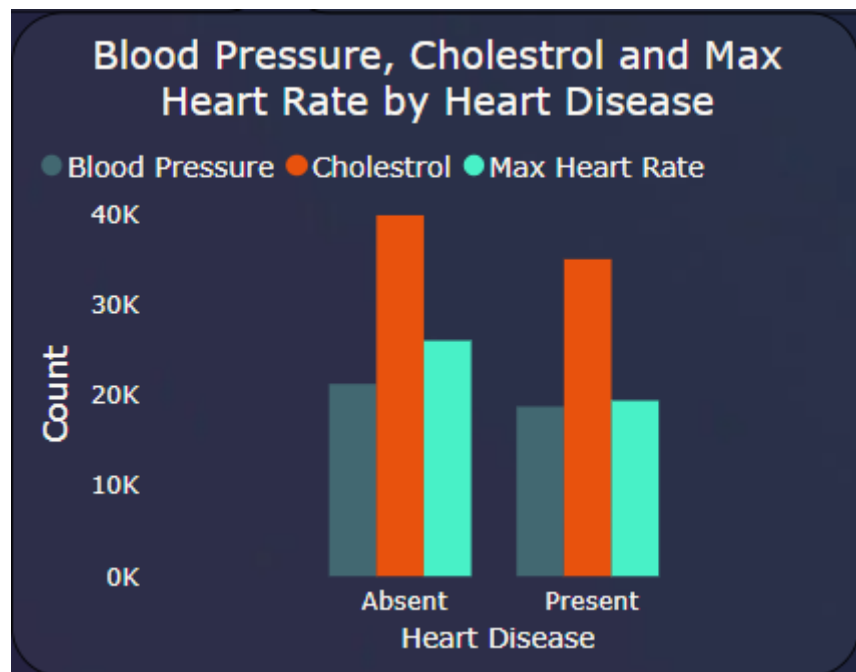
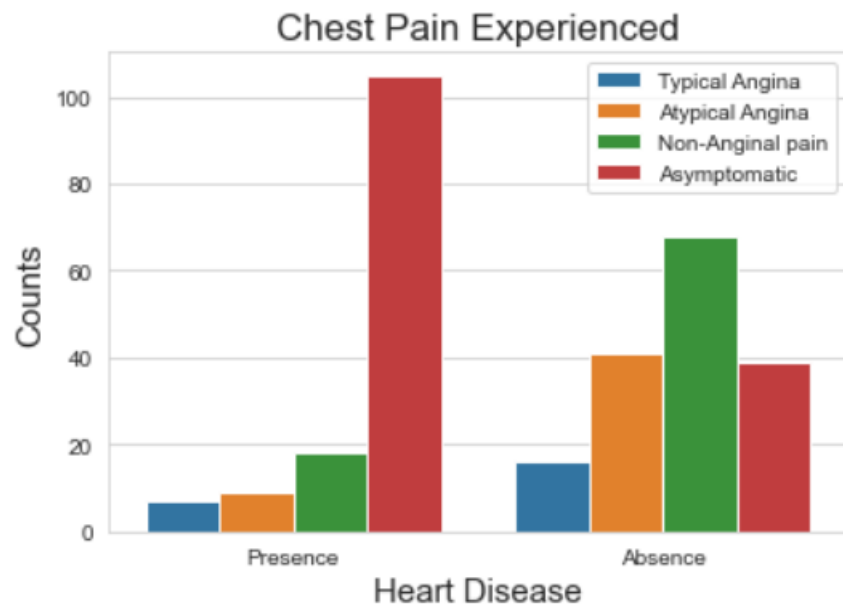
- 45.87% People suffering from heart disease.
- Elderly Aged Men are more (50 to 60 Years) and Females are more in 55 to 65 Years Category

## 2. Who Suffer from Heart Disease?



- Males are more prone to heart disease.
- Elderly Aged People are more prone to heart disease.

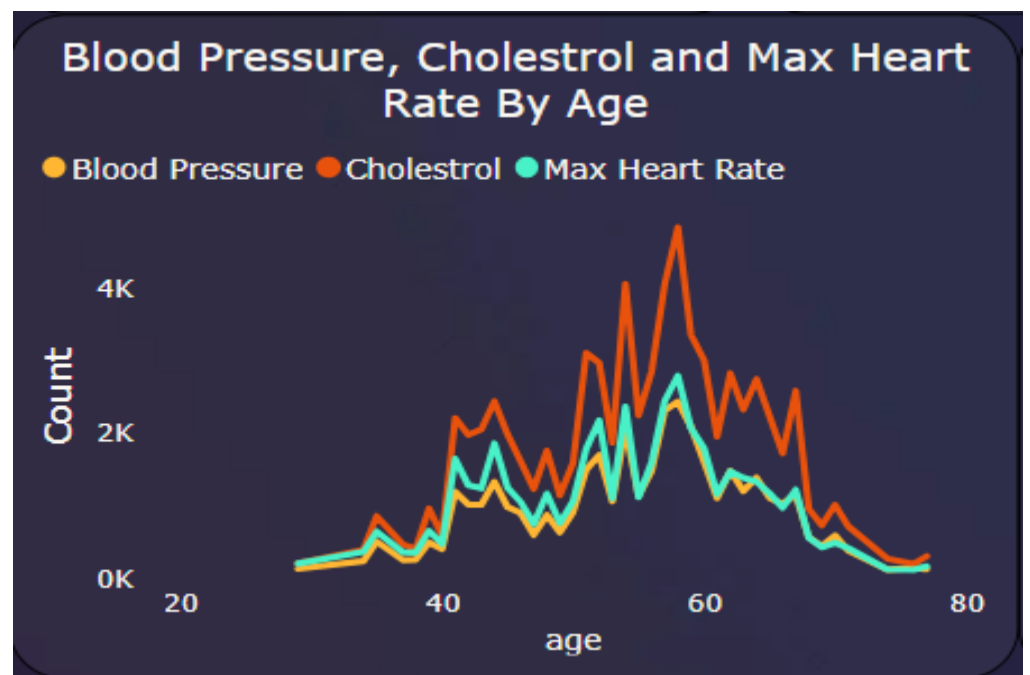
### 3. What symptoms people experience in heart disease



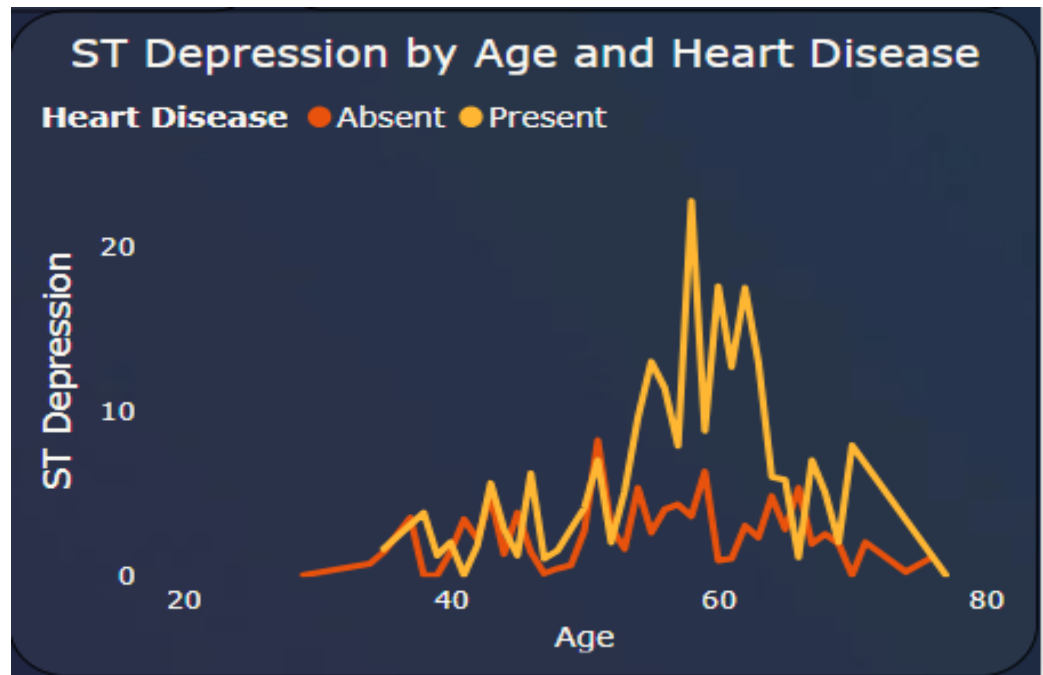
It seems people having asymptomatic chest pain have a higher chance of heart disease.

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.



- 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.