

Wireframe Document

Heart Disease Diagnostic Analysis



Revision Number - 1.2
Last Date of Revision - 28/10/2021

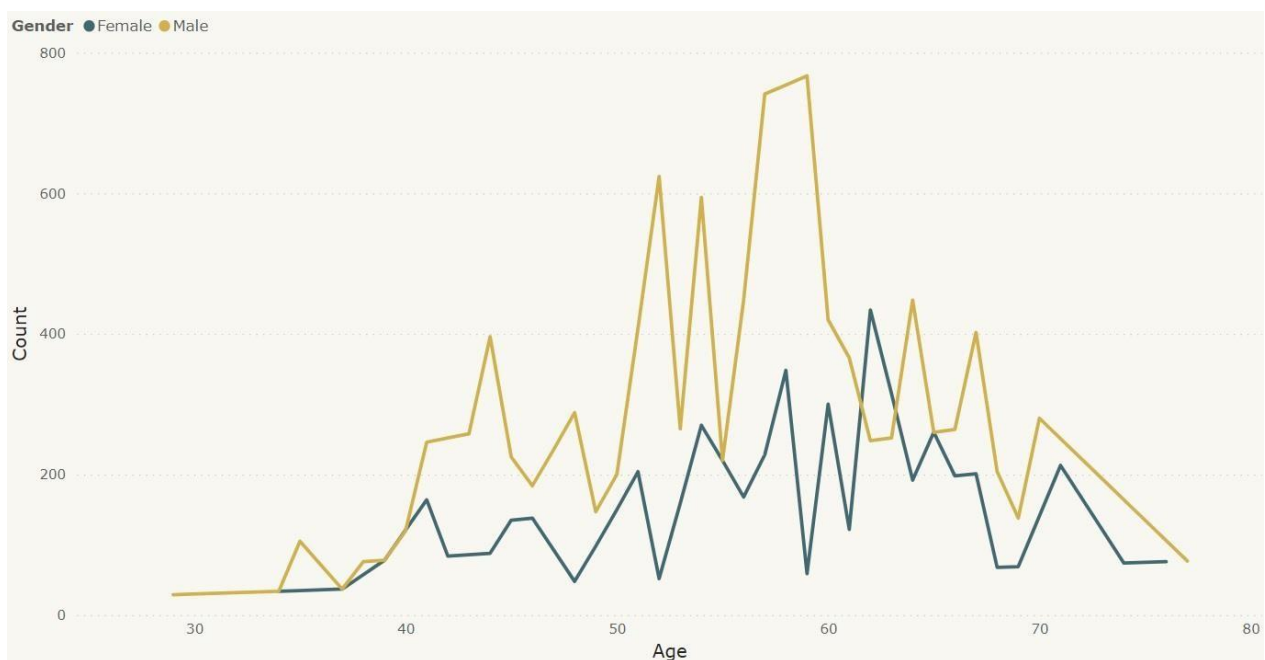
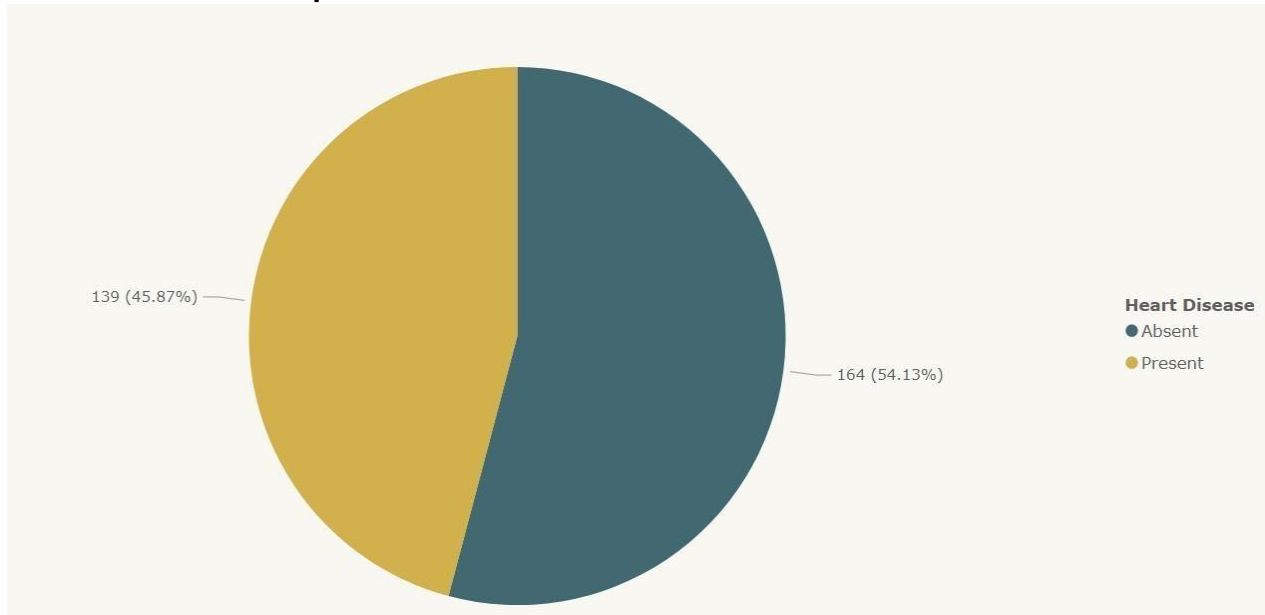
Akash Deep Sahoo

Document Control

| Date | Version | Description | Author |
|------------|---------|---|------------------|
| 21/10/2021 | 1.0 | Introduction, Problem Statement | Akash Deep Sahoo |
| 22/10/2021 | 1.1 | Dataset Information, Architecture Description | Akash Deep Sahoo |
| 28/10/2021 | 1.2 | Final Revision | Akash Deep Sahoo |
| | | | |

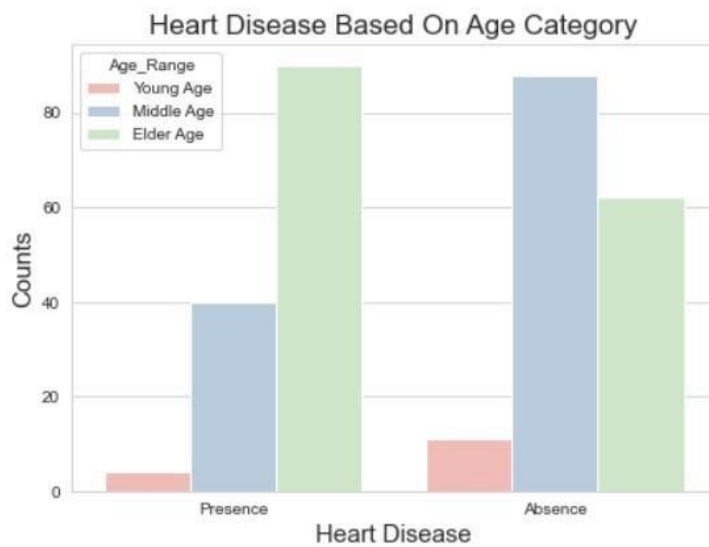
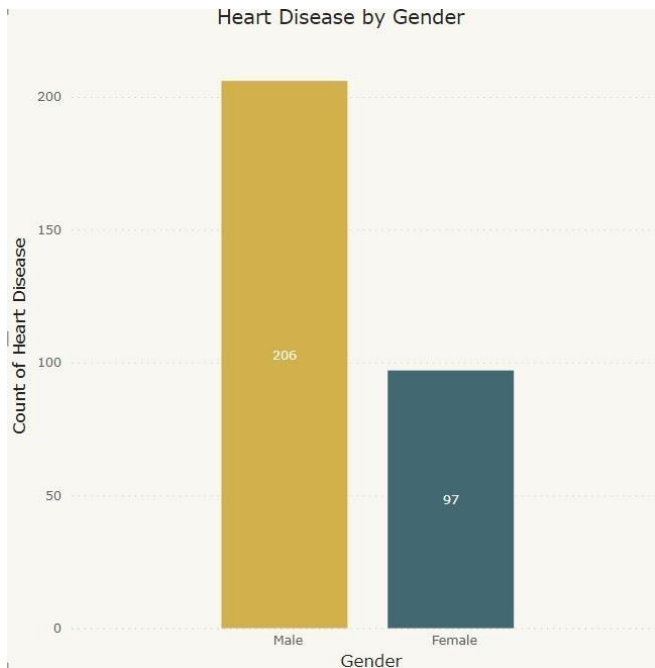
We Performed Exploratory Data Analysis on Jupyter Notebook and then created a Power BI Desktop Dashboard.

1. What Kind of Population do we have?



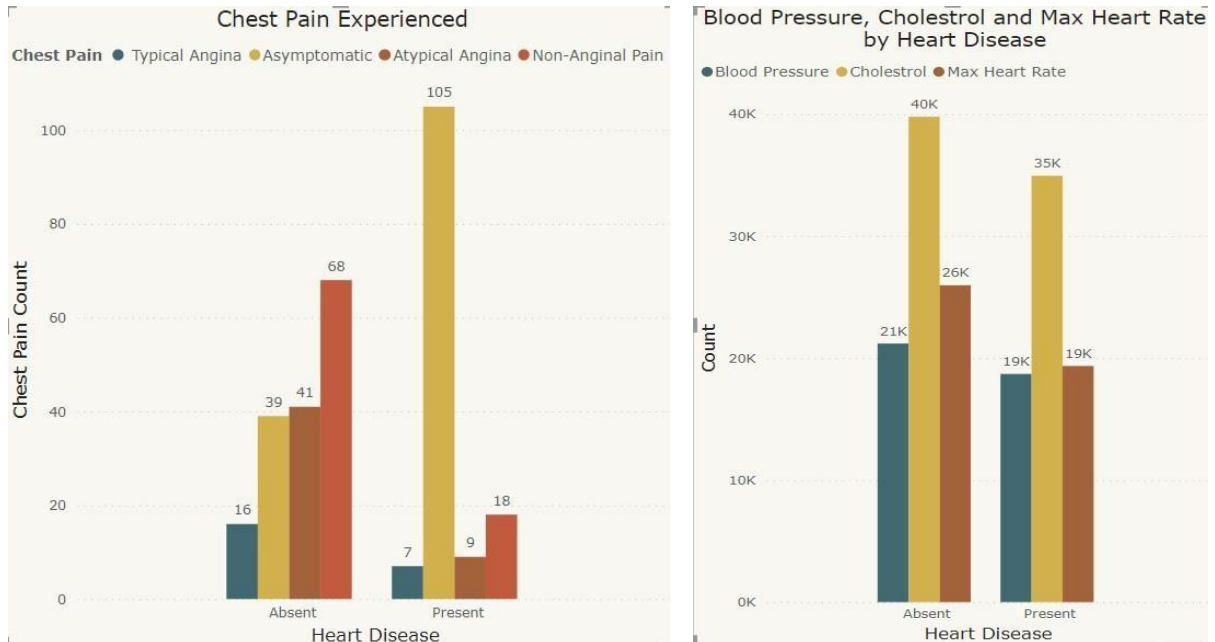
- 45.87% People suffering from heart disease.
- Elderly Aged Men are more (50 to 60 Years) and Females are more in 55 to 65 Years Category

2. Who Suffer from Heart Disease?

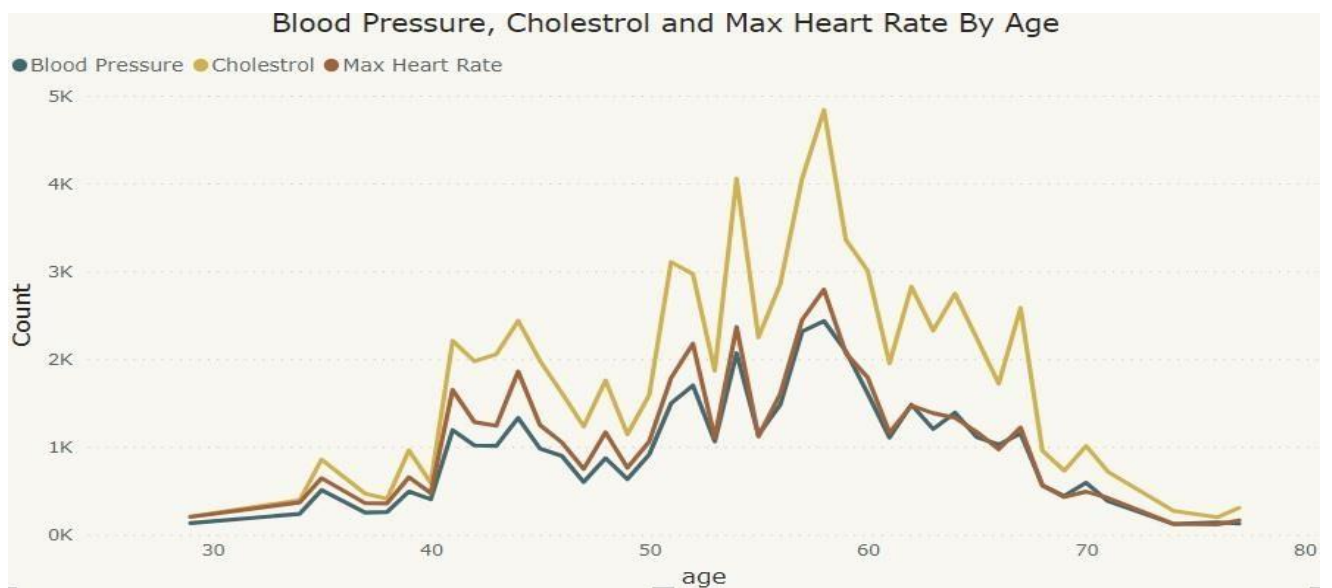


- Males are more prone to heart disease.
- Elderly Aged People are more prone to heart disease.

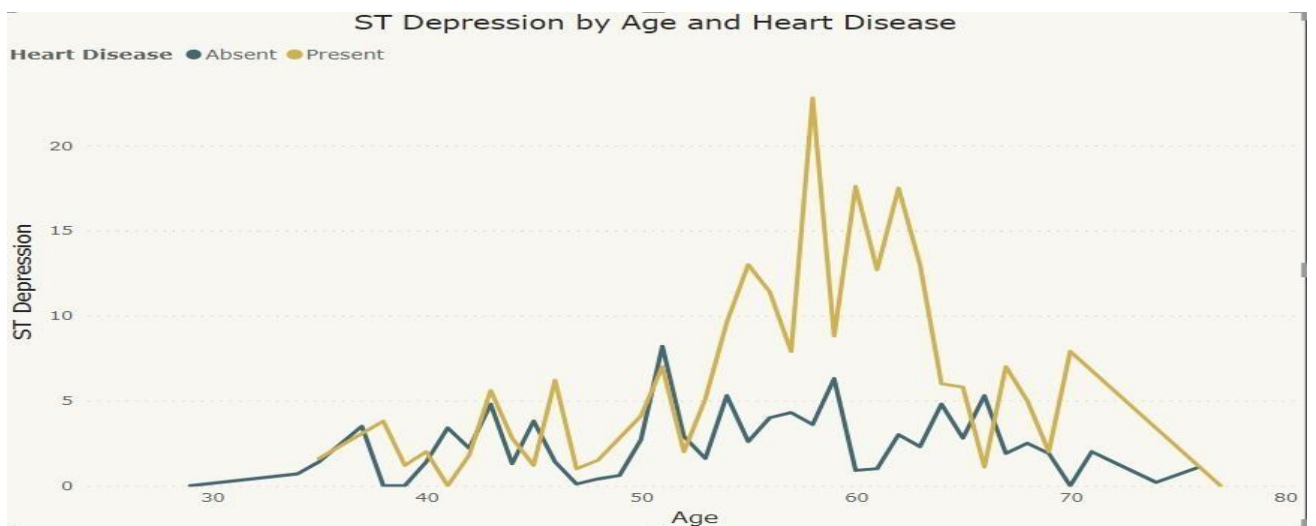
3. What symptoms people experience in heart disease



- 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.