Wireframe Document

Heart Disease Diagnostic Analysis

Revision Number - 1.0
Last Date of Revision - 21/10/2024
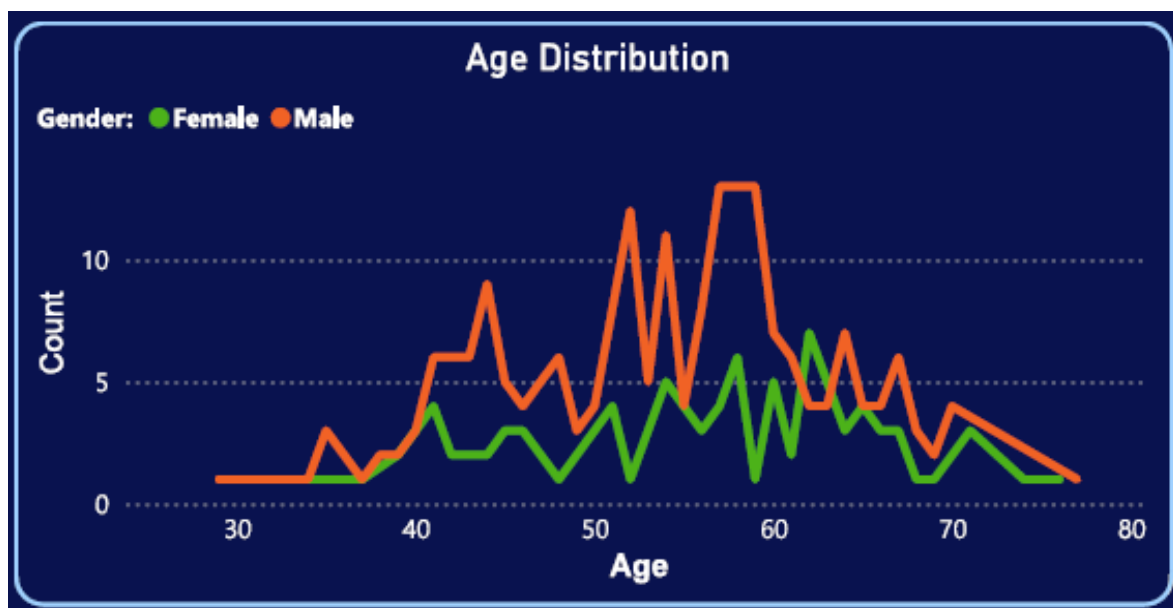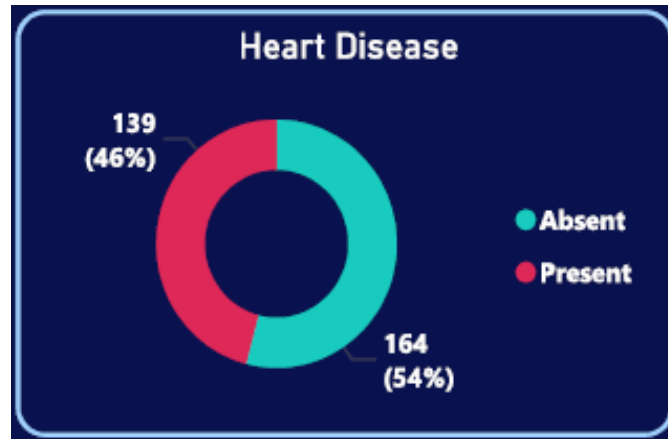
MAINAK MUKHERJEE

Wireframe Document

Document Control

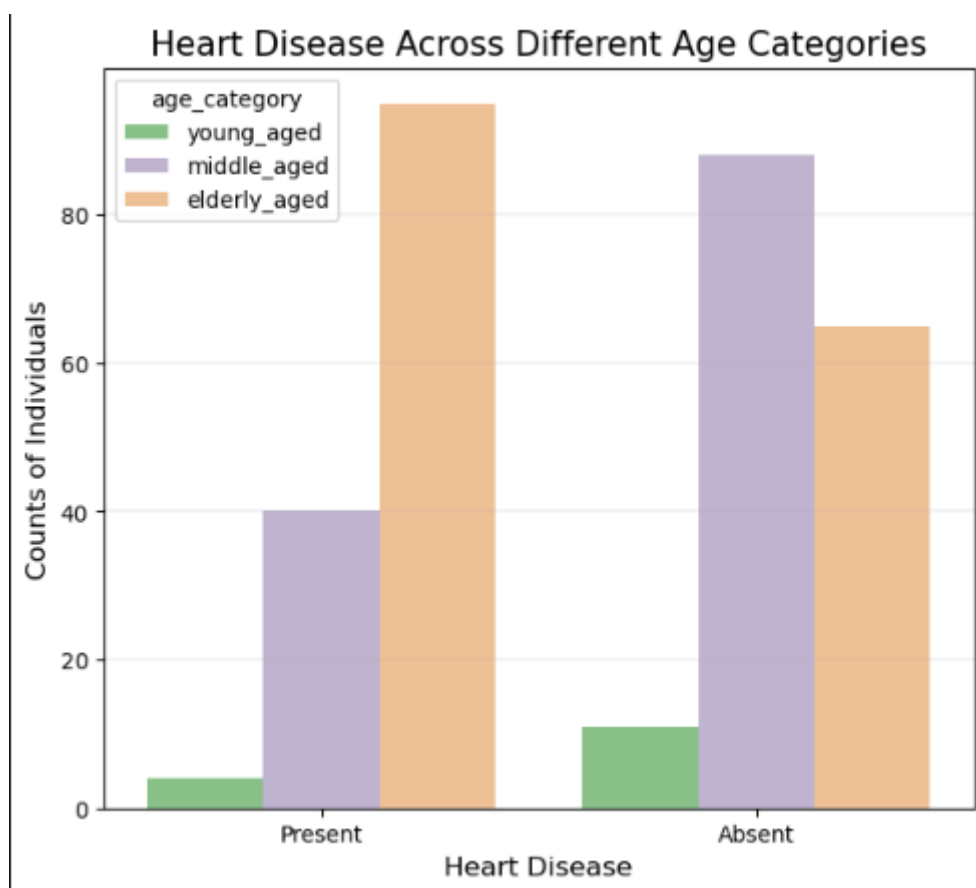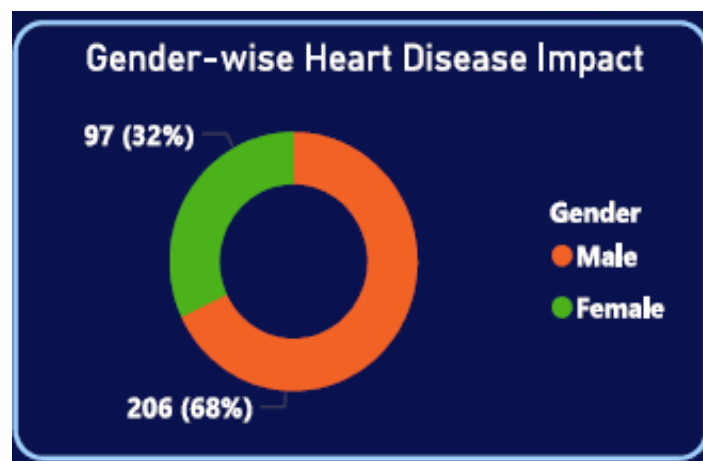| Date Issued	Version	Description	Author
14/10/2024	1.0	Complete version of Wireframe Document	Mainak Mukherjee

Exploratory Data Analysis (EDA) was performed using Jupyter Notebook, followed by the creation of a Power BI Desktop dashboard.

- **What is the nature of the population we are analyzing?**
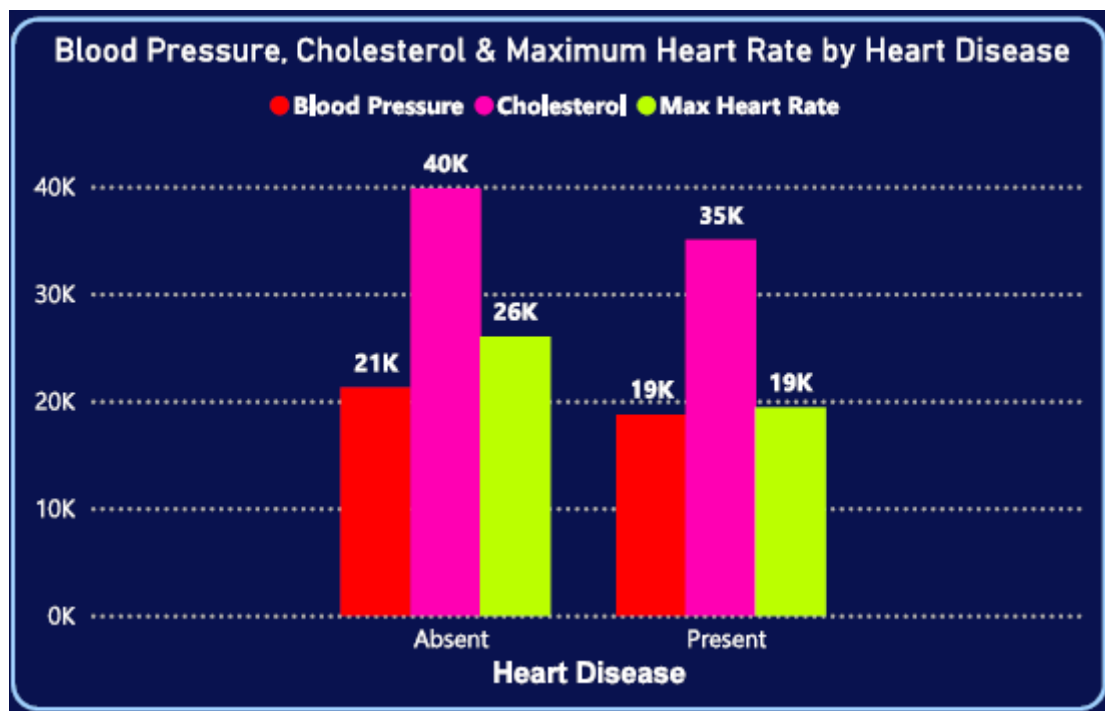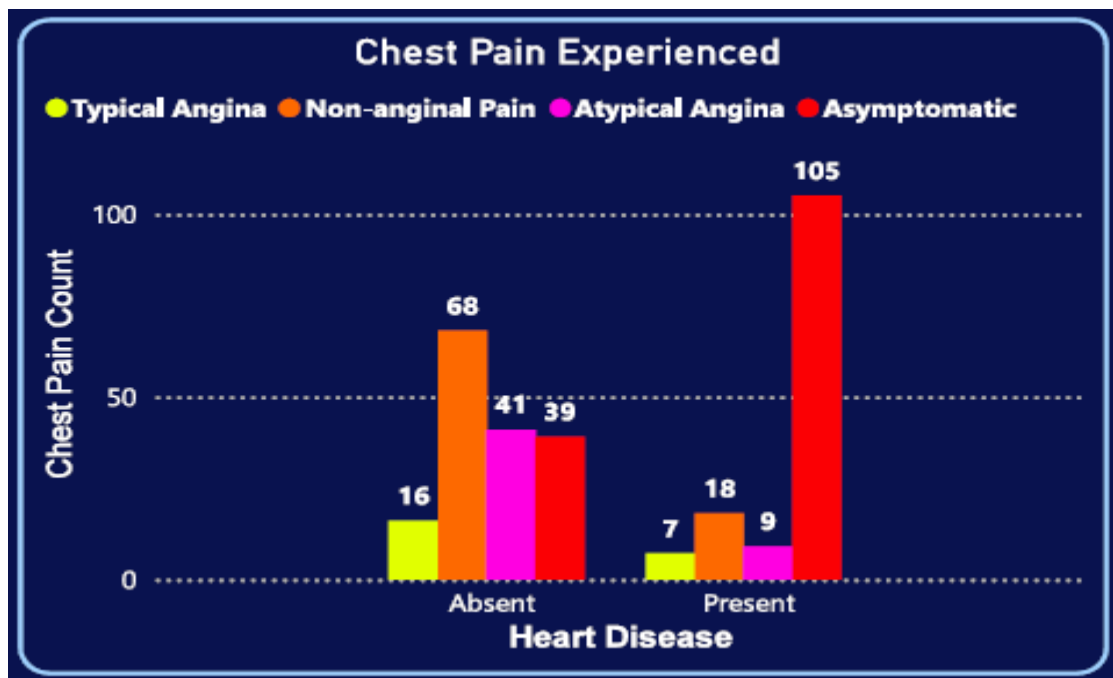

➔ Approximately 46% of individuals are affected by heart disease.

➔ Men aged 50 to 60 years exhibit a higher prevalence, while women predominantly fall within the 55 to 65 years age group.
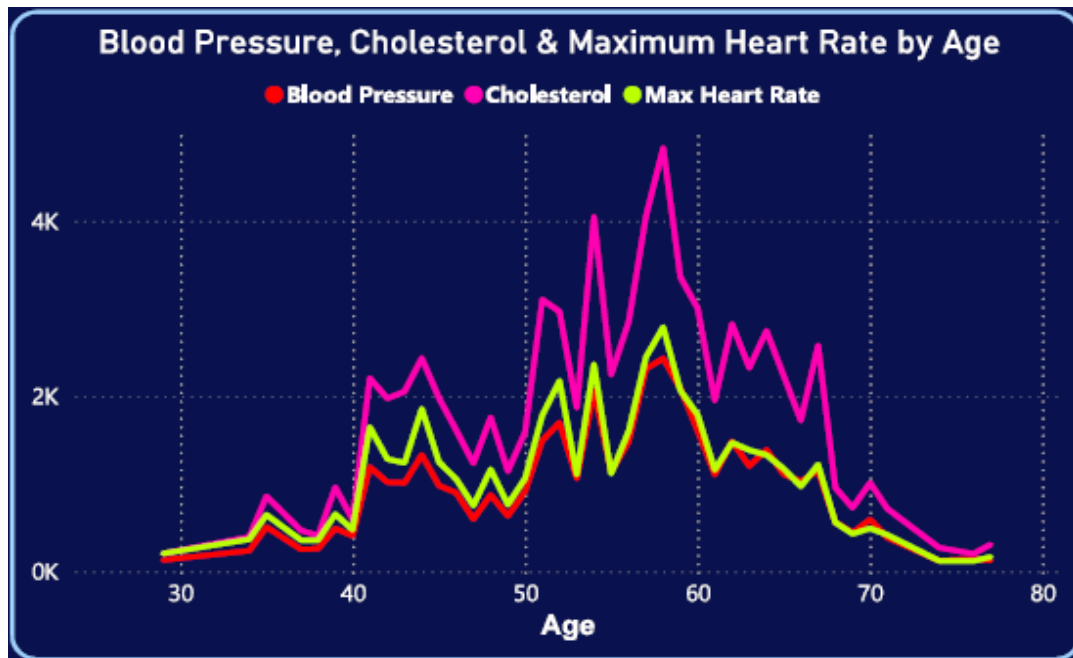
- **Who is affected by Heart Disease?**

➔ Males are more likely to develop heart disease.

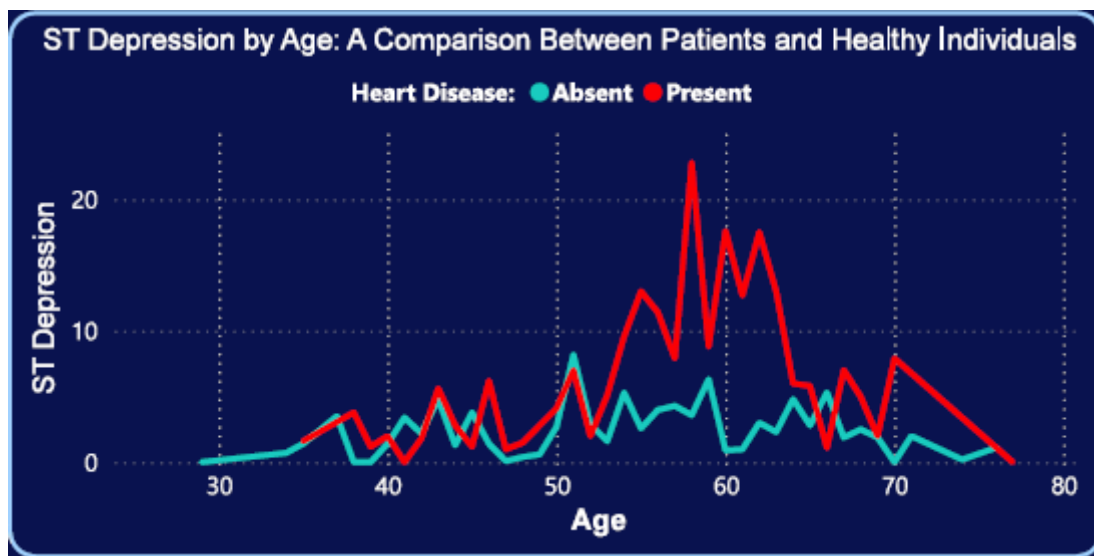➔ Elderly people or the senior citizens are at an increased risk for heart disease.

- **What symptoms do individuals experience with Heart Disease?**

➔ Individuals with asymptomatic chest pain appear to have higher risk of heart disease.

➔ Asymptomatic chest pain refers to the absence of symptoms typically associated with heart disease.

➔ A significant number of individuals with heart disease present with elevated cholesterol levels.

Blood Pressure, Cholesterol & Maximum Heart Rate by Age

➔ It is observed that blood pressure rises between the ages of 50 and 60, continuing this trend up to 70.

➔ Likewise, cholesterol levels and maximum heart rate increase within the 50 to 60 age group.

ST Depression by Age: A Comparison Between Patients and Healthy Individuals

➔ It can be observed that ST depression predominantly increases within the 30 to 40 and 55 to 65 age group.

➔ ST depression refers to an electrocardiogram finding where the ST segment is abnormally depressed below the baseline.