



HEART DISEASE DIAGNOSTIC ANALYSIS

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Project Title	Heart Disease Diagnostic Analysis
Technologies	Data Science
Domain	Healthcare
Project Difficulty Level	Intermediate
Programming Language Used	Python
Technologies Used	Jupyter Notebook, MS Excel



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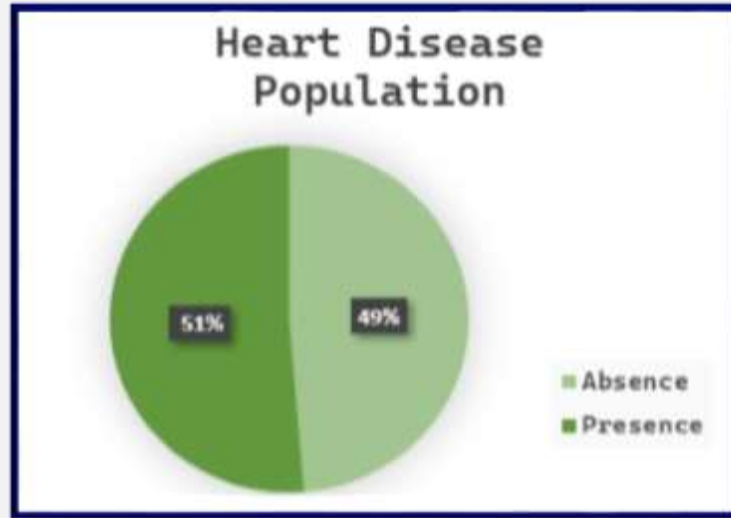
Problem Statement

In the wake of the COVID-19 pandemic, the importance of health has been profoundly recognized across all societal strata. This project involves analyzing heart disease diagnostic data to enhance future health preparedness. The tasks include performing ETL, conducting EDA creating a comprehensive dashboard.

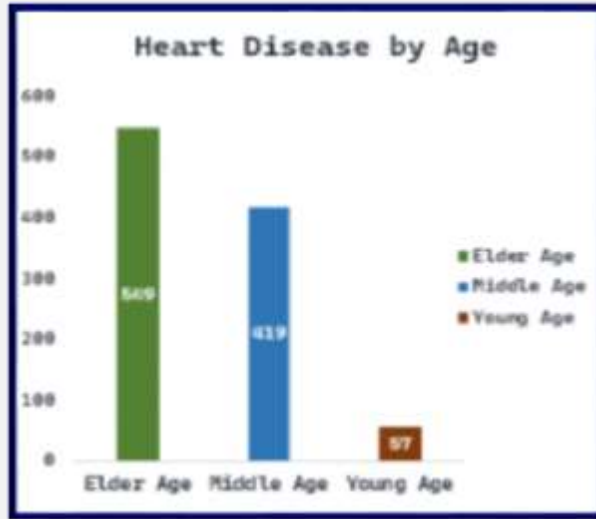
Objective

The goal of this project is to analyze heart disease diagnostic data to identify key metrics and relationships among attributes such as age and gender. We aim to provide actionable insights to enhance future health preparedness and inform healthcare strategies.

Visual Analytics Dashboard

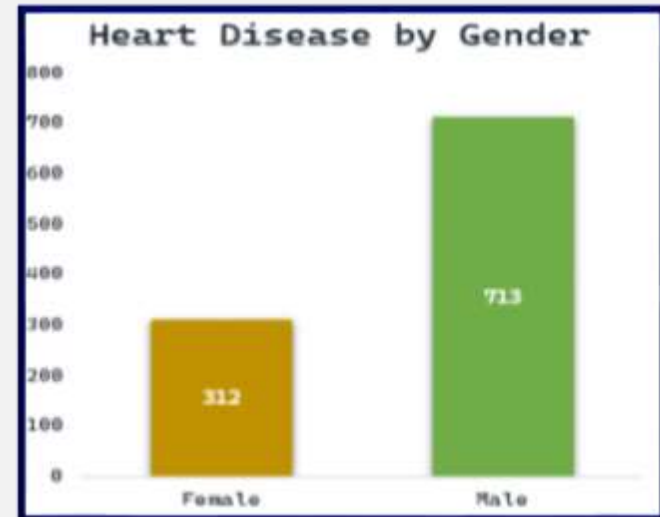


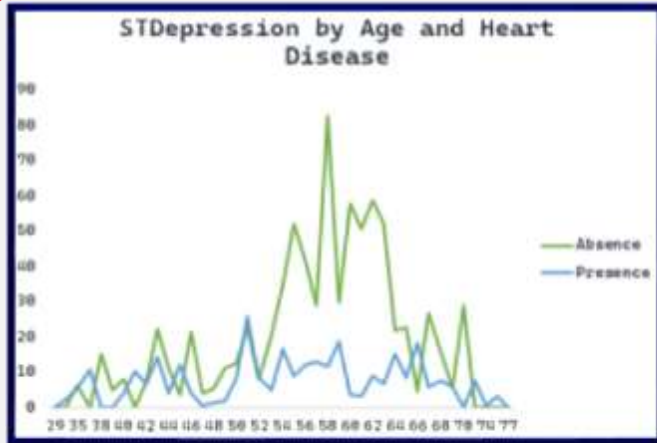
51 % of people are
suffering from Heart
Disease



Individuals in the older age group are more predisposed to heart disease than those in the middle-aged and younger age groups.

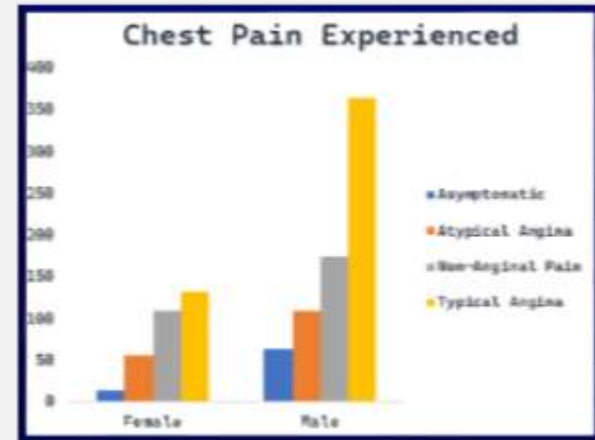
Males experience a higher rate of heart disease compared to females.

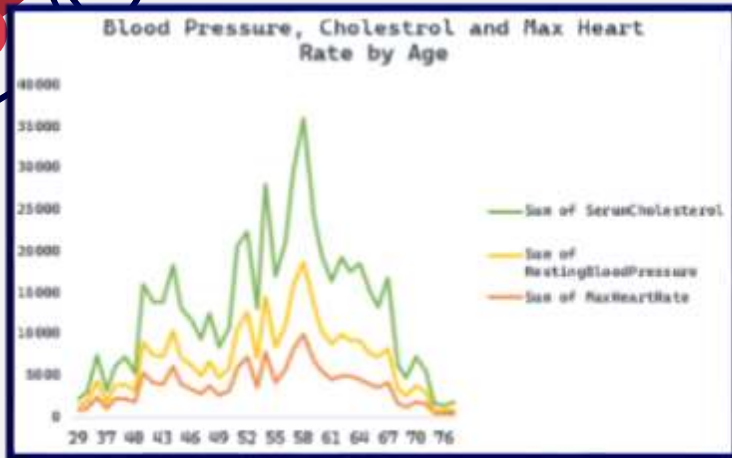




The age of 59 is associated with a high rate of ST depression and heart disease.

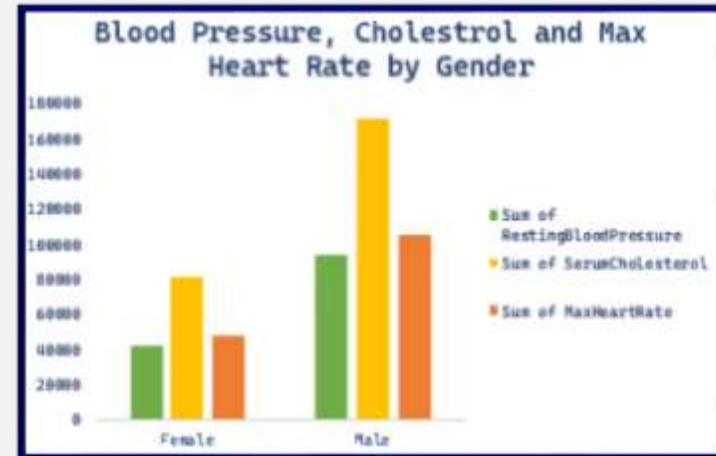
The occurrence of typical angina chest pain is higher in males than in females.





The age of 58 is marked by elevated blood pressure, cholesterol, and heart rate.

The incidence of high blood pressure, cholesterol, and heart rate is greater in males than females.





Key Performance Indicator

- ☐ Percentage of Individuals Suffering from Heart Disease.
- ☐ Age distribution analysis based on Gender.
- ☐ Gender Demographics of Heart Disease Patients.
- ☐ Occurrence of Chest Pain in Heart Disease Patients According to Gender.
- ☐ Age and Gender Trends in Blood Pressure, Cholesterol, and Maximum Heart Rate.
- ☐ Analysis of ST Depression in Relation to Age and Heart Disease.

Conclusion

- ☐ 51% People suffering from heart disease.
- ☐ Individuals in the older age group are more predisposed to heart disease than those in the middle-aged and younger age groups
- ☐ Males experience a higher rate of heart disease compared to females.
- ☐ The age of 59 is associated with a high rate of ST depression and heart disease.
- ☐ The occurrence of typical angina chest pain is higher in males than in females.
- ☐ The age of 58 is marked by elevated blood pressure, cholesterol, and heart rate.
- ☐ The incidence of high blood pressure, cholesterol, and heart rate is greater in males than females.

Thank You

