HEART DISEASE DIAGNOSTIC ANALYSIS

SHRESHTA ANUGU

PROJECT DETAIL

Project	Heart Disease Diagnostic Analysis
Technology	Data Science
Domain	Health Care
Project Difficulty Level	Intermediate
Programming Languages	Python
Tools	Jupyter Notebook MS Excel

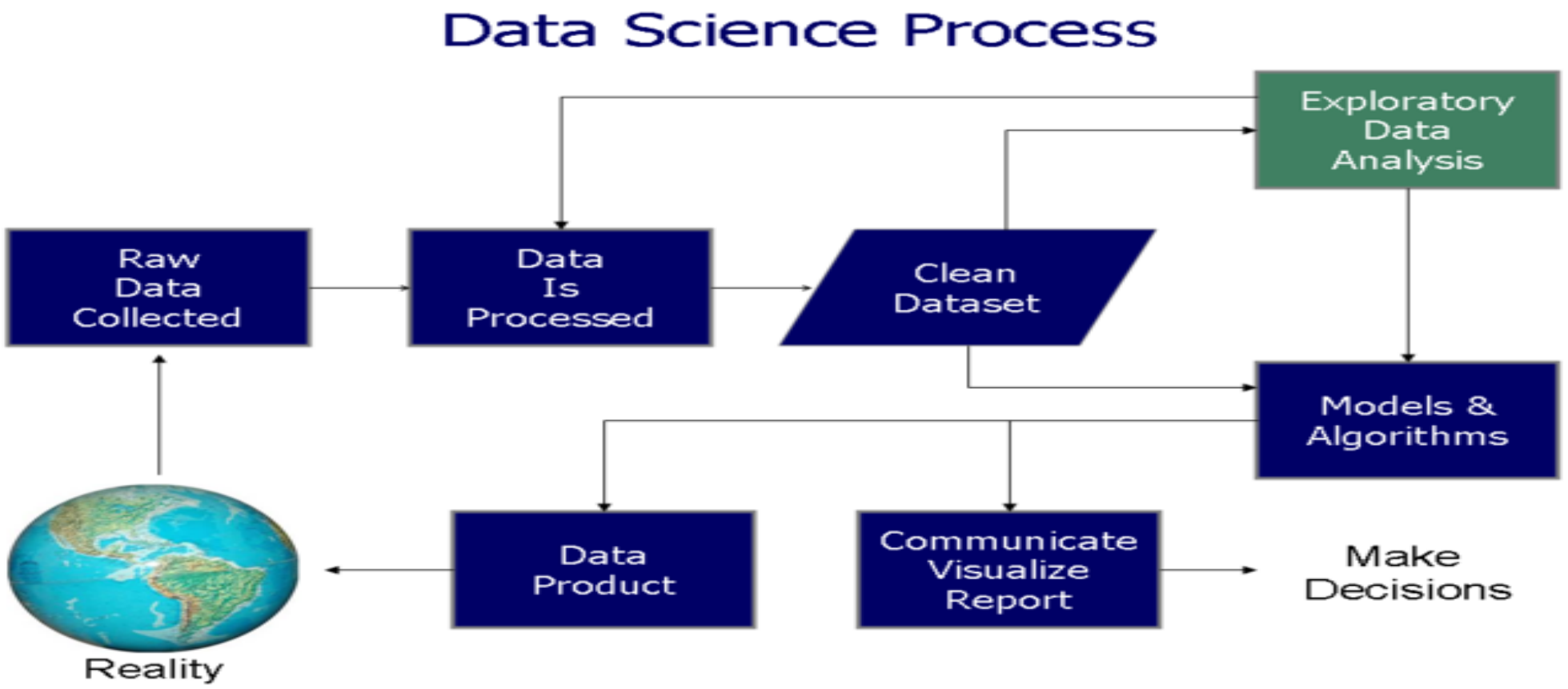
OBJECTIVE

- ***The goal of this project is to analyse the heart disease occurrence, based on a combination of features that describes the heart disease.***

PROBLEM STATEMENT

- Health is real wealth in the pandemic time we all realized the brute effects of covid-19 on all irrespective of any status. You are required to analyze this health and medical data for better future preparation.
- A dataset is formed by taking into consideration some of the information of 1025 individuals.

ARCHITECTURE

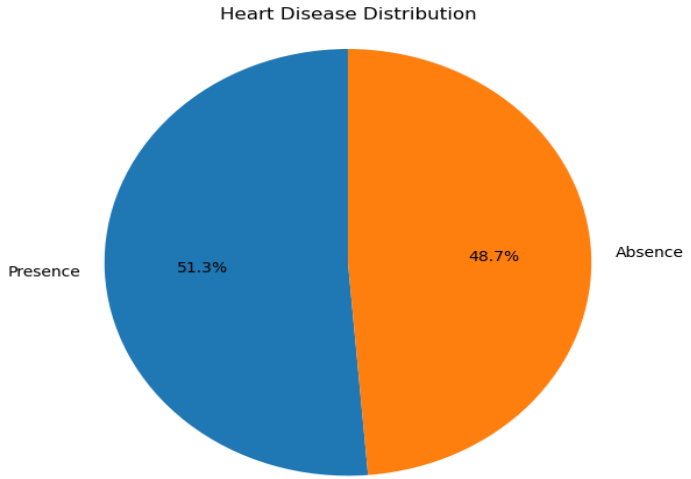


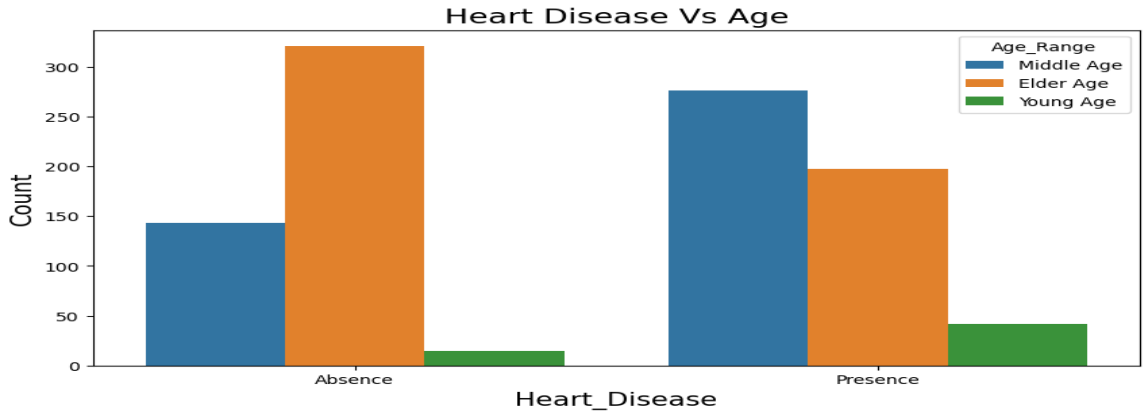
INSIGHTS

- **<u>What Kind of Population Do we Have?</u>**

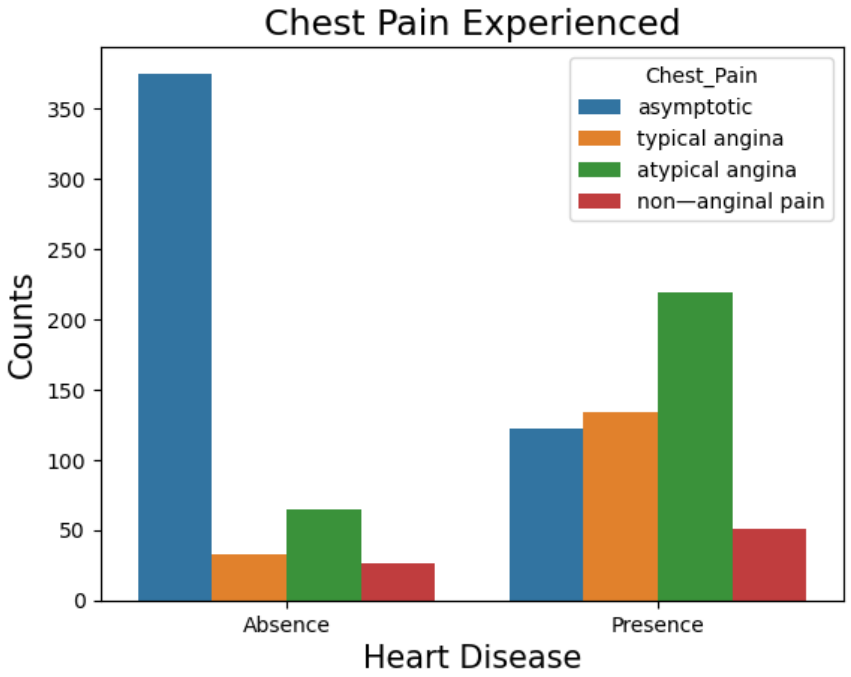
- **In the given data 51.3% people are suffereing from heart related diseases**

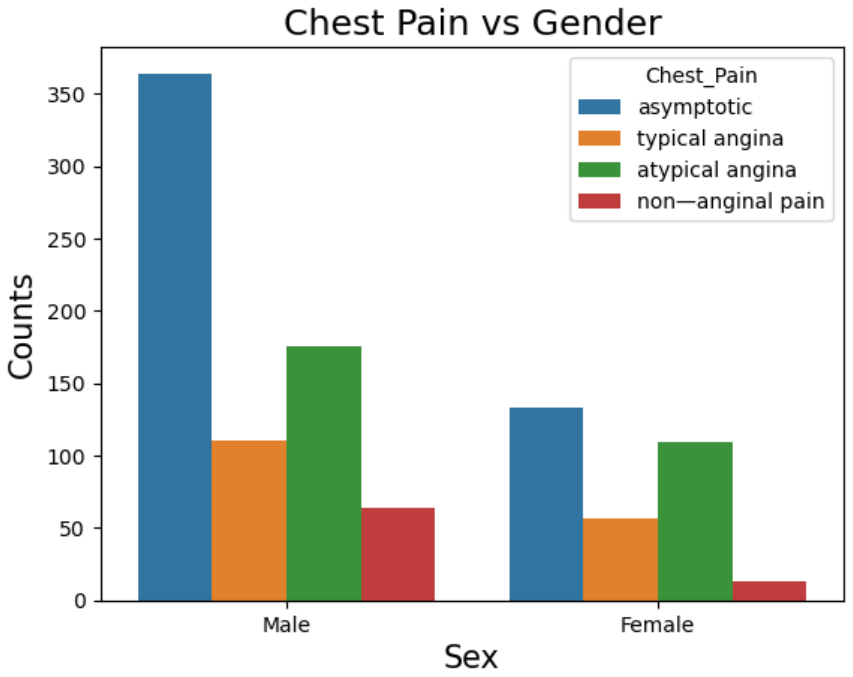
- **In those middle aged males are suffering more than females and other category people**

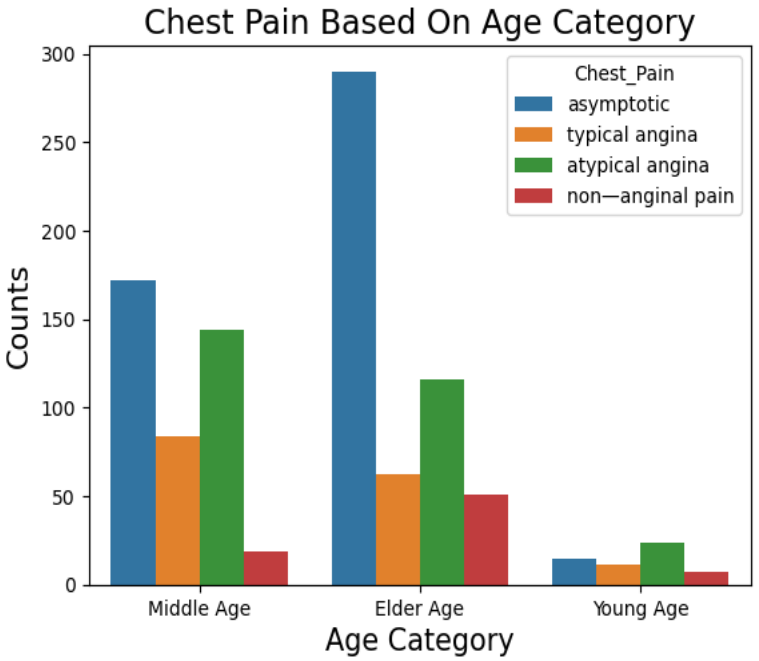




Chest Pain Experienced By Patients

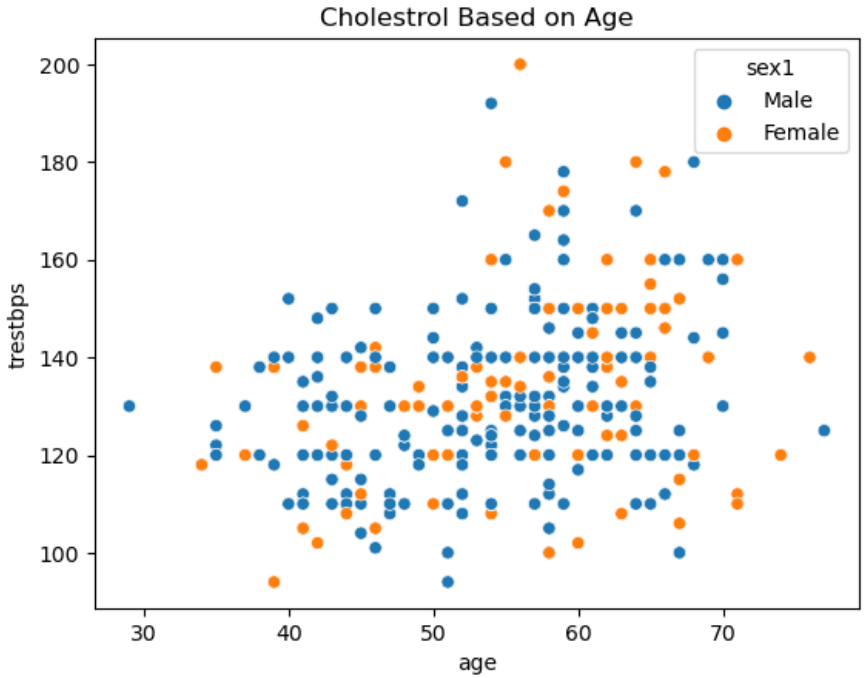


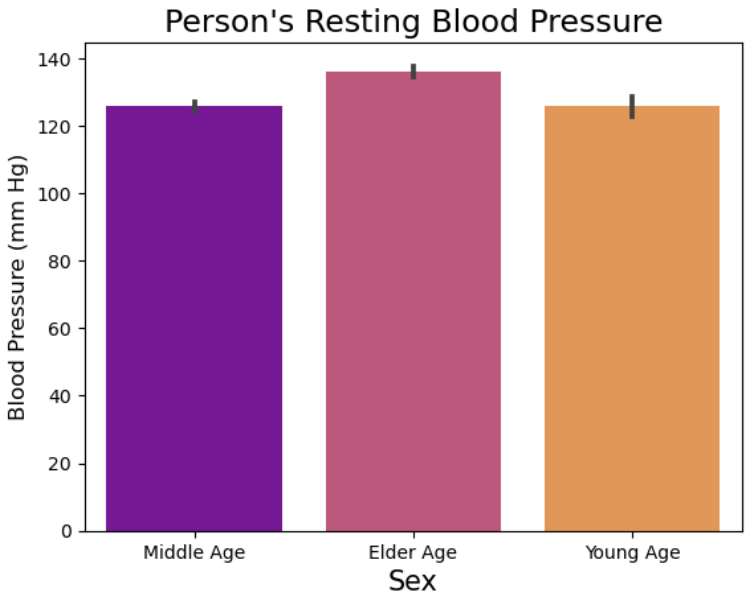


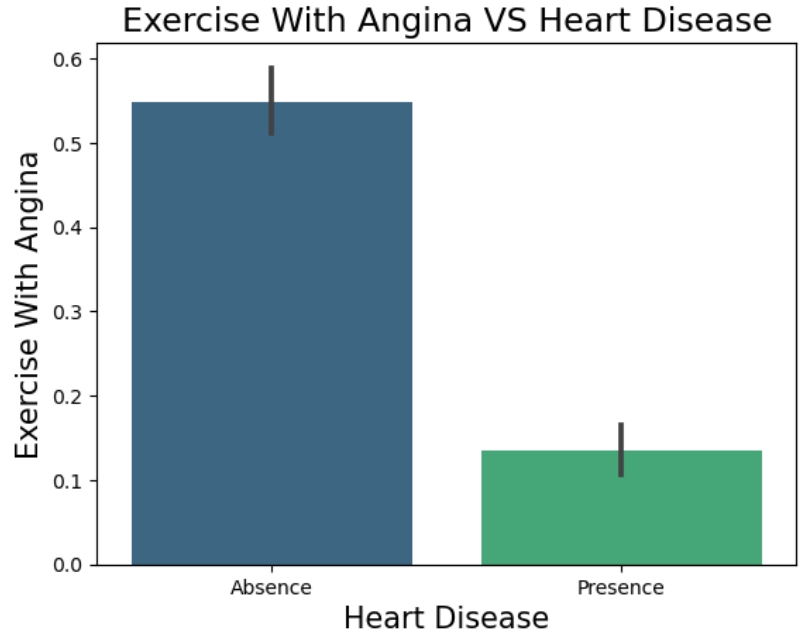


- Most of the people who have heart diseases are suffering from atypical angina chest pain
- Men are more suffering from chest pain in that asymptotic chest pain is high in them
- Middle aged people are suffering more from chest pain causes heart diseases

Other Symptoms People Experienced in Heart Diseases







- Cholestrol is high in males who are between in the age 50 – 65
- BP is more in elder aged people and it may also cause heart diseases
- People who do exercise with angina have lesser chances of getting heart diseases

KEY PERFORMANCE INDICATORS(KPI)

- Percentage of People Having Heart Disease
- Age Distribution including Gender
- Gender Distribution Based on Heart Disease
- Chest Pain Experienced by People Suffering from Heart Disease
- Blood Pressure, Cholesterol Level and Maximum Heart Rate of People According to their Age and Heart Disease Patients.
- ST Depression Experienced by People According to their age and heart disease.

CONCLUSION

- 51.3% of population are suffering from heart diseases
- Middle aged people and Males are more suffering from heart diseases
- Atypical angina chest pain has higher chances of getting heart diseases
- Most of the people are suffering from asymptotic chest pain in that Males and Elder aged people are more
- BP is high in elder aged people and females
- ST Depression is more in males and elder aged people
- Exercise with angina reduces the chances of getting heart diseases

THANK YOU