


Project Development Phase – Sprint 3

Team ID	PNT2022TMID45611
Project Members	Swetha V , Boomika M , Monisha R , Sankari S
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Project mentors	Industry mentor - Mahidhar, Saumya Faculty mentor – Jayasri

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Visualising and Predicting Heart Disease

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Welcome to our Project

The leading cause of death in the developed world is Heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke. The aim of this project is to use a dataset to predict which patients are most likely to suffer from a heart disease in the near future using the a set of features given. The features include:

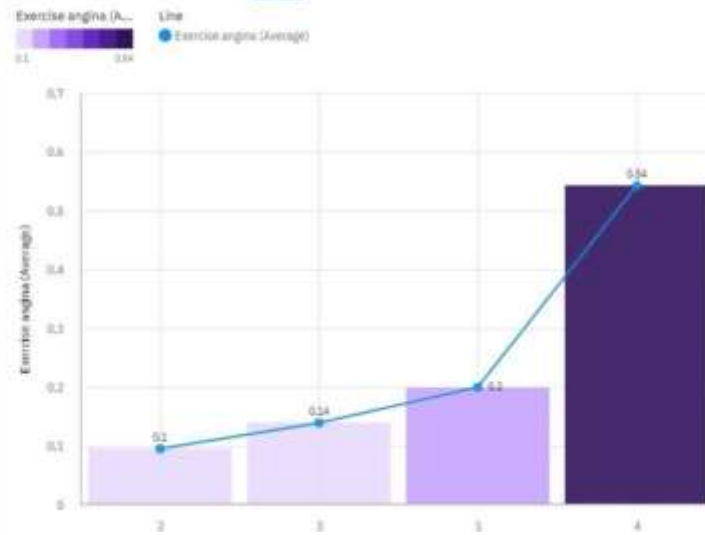
- Age
- Sex
- Chest Pain Type
- Blood Pressure
- Cholesterol
- Fasting Blood Sugar(FBS) Over 120 or not
- Cholesterol
- EKG Results
- Maximum Heart Rate
- Exercise Angina
- ST Depression
- Slope of ST
- Number of vessels fluoroscopy
- Thallium

The model that we are going to use to predict the disease is Logistic Regression. The Training and Testing accuracy was recorded 87 and 83 respectively.

On Clicking visualisation:



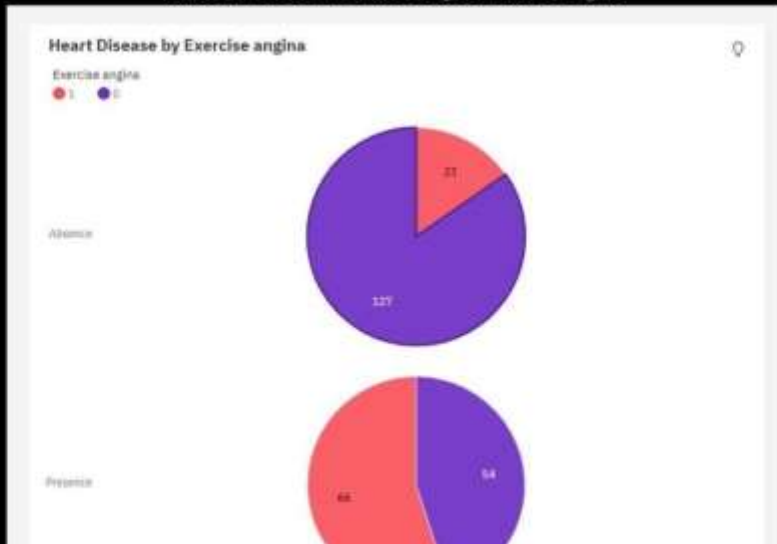
Average exercise angina during chest pain



Bp variation with respect to age



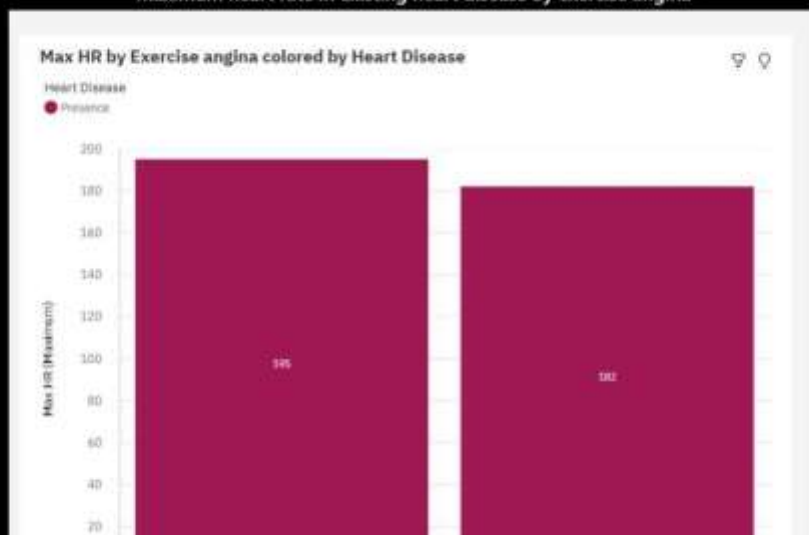
Effect of heart disease on Average of Exercise angina

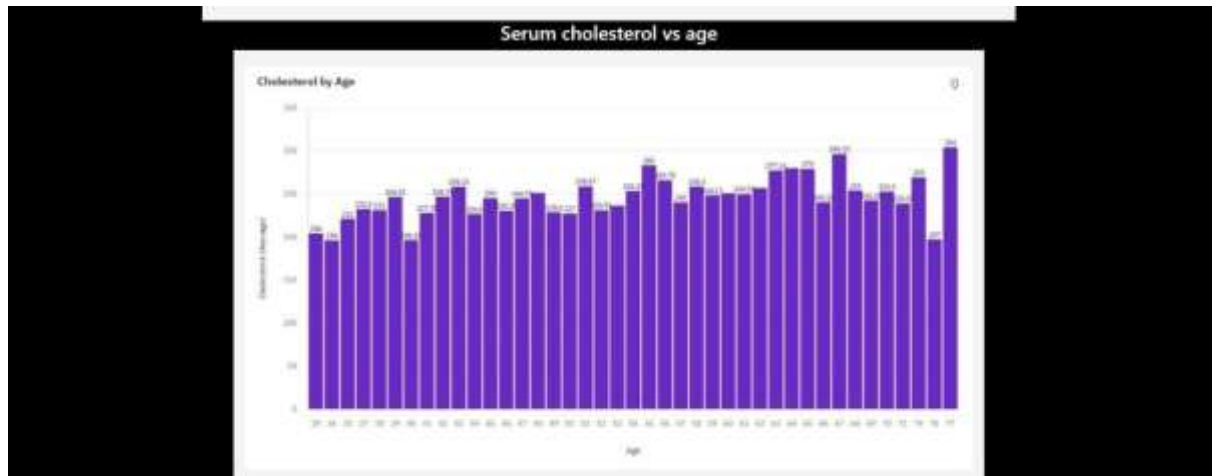


Average age for different types of heart pain in existing heart disease




Maximum heart rate in existing heart disease by exercise angina





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