


Project Development Phase – Sprint 3

Team ID	PNT2022TMID53202
Project Members	Hari Krishna A S, Pooja Laxmi S, CharulathaS, Amose
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Project mentors	Industry mentor - Mohanavalli Faculty mentor – Dr.Srinivasan

Home Page:

**Visualising and Predicting Heart Disease**

Home Page Visualisation Predict Log out

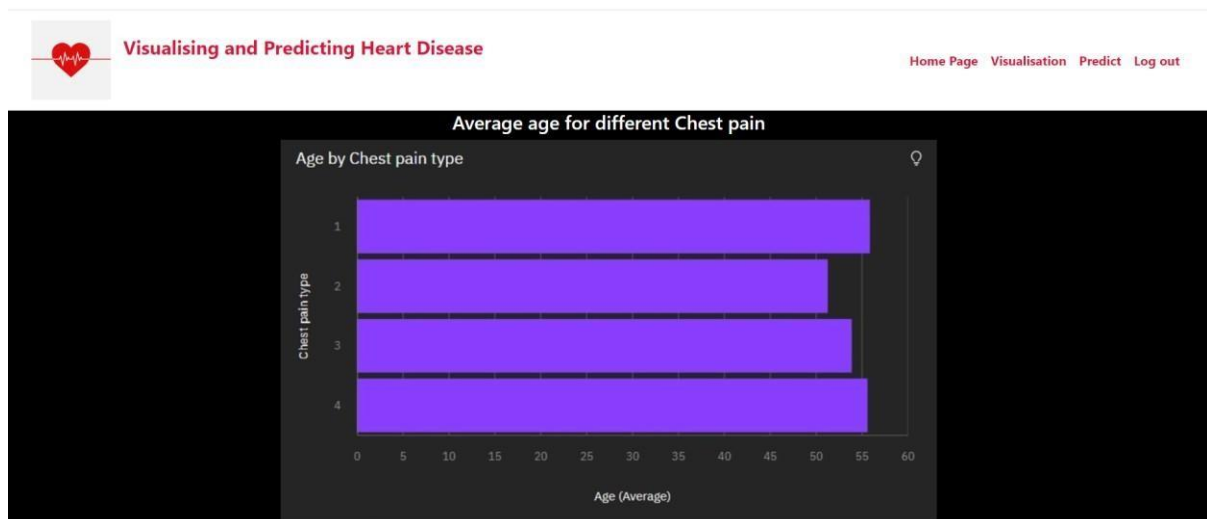
Welcome to our Project

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 set of features given. The features include:

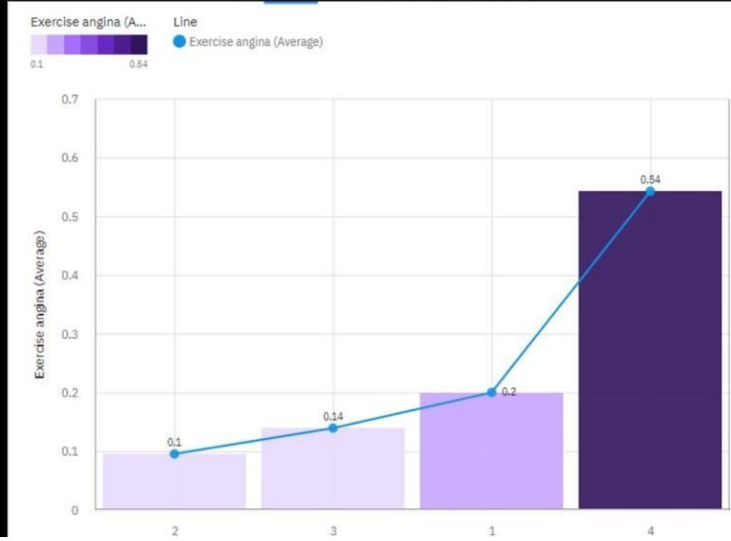
- Age
- Sex
- Chest Pain Type
- Blood Pressure
- Cholesterol
- Fasting Blood Sugar(FBS) Over 120 or not
- Cholesterol
- EKG Results
- Maximum Heart Rate
- Exercise Angina
- ST Depression
- Slope of ST
- Number of vessels fluroscopy
- Thallium

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.

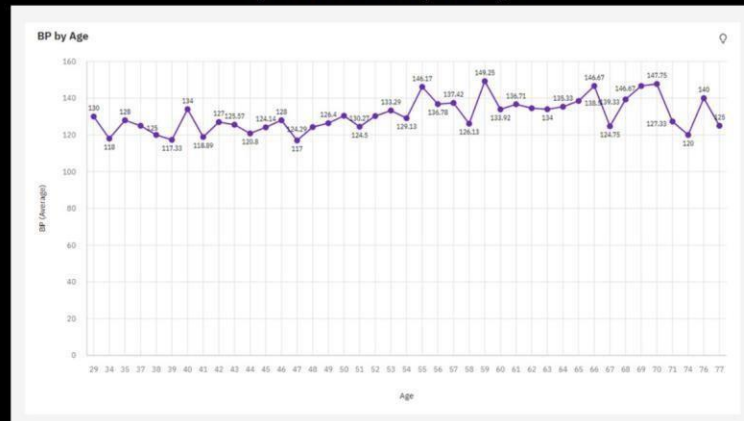
On Clicking visualisation:



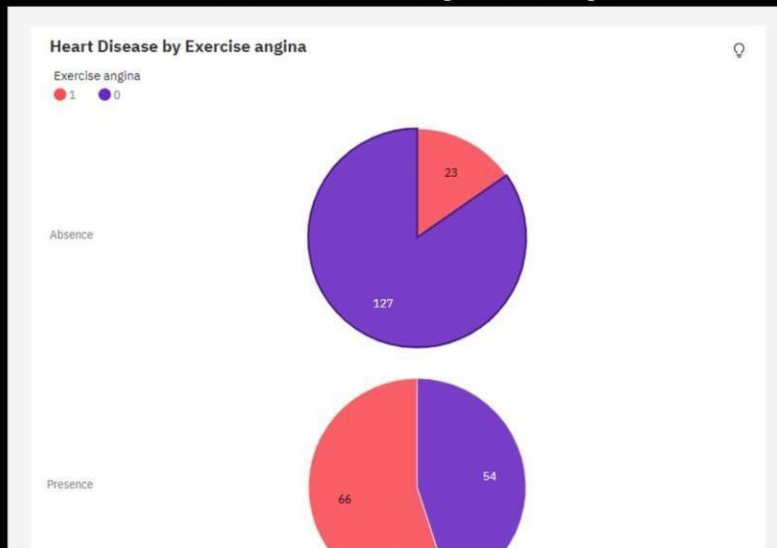
Average exercise angina during chest pain



Bp variation with respect to age



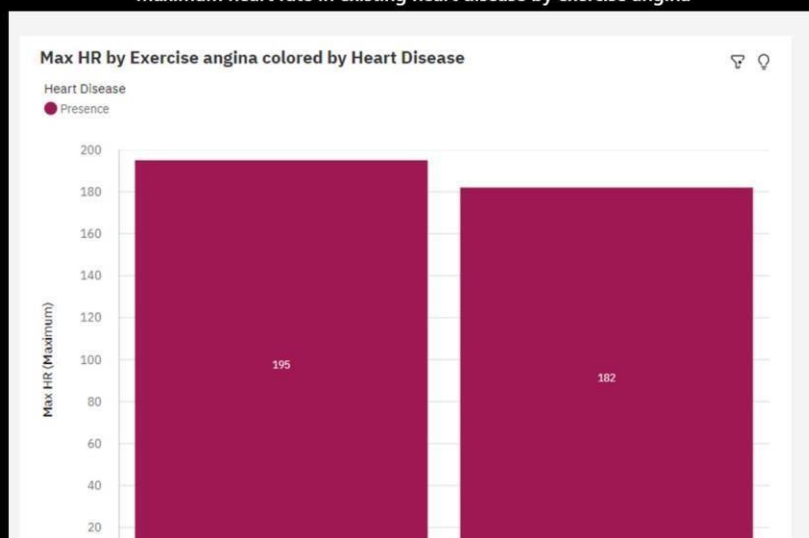
Effect of heart disease on Average of Exercise angina



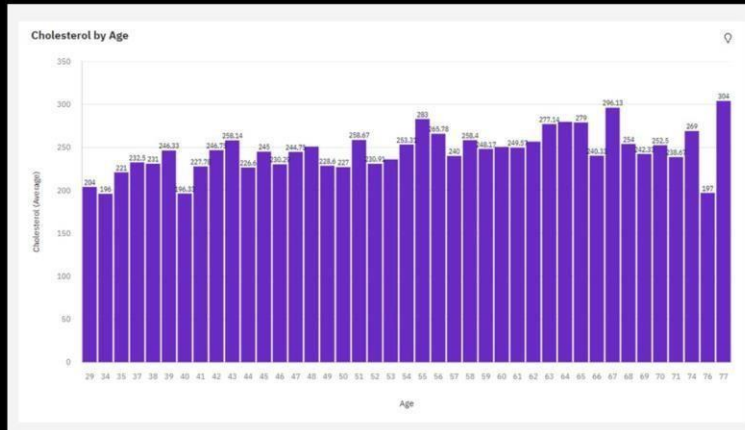
Average age for different types of heart pain in existing heart disease



Maximum heart rate in existing heart disease by exercise angina



Serum cholesterol vs age



On clicking back to Home page:



Visualising and Predicting Heart Disease

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