


## Project Development Phase – Sprint 3

Team ID	PNT2022TMID53250
Project Members	Bharanidharan S, Elakkiya S, Pooja T S, Reethika S
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Project mentors	Industry mentor - Mahidhar, Saumya Faculty mentor – Dr. Arulkumar Venkatachalam

### Home Page:

**Visualising and Predicting Heart Disease**

Home Page Visualisation Predict Log out

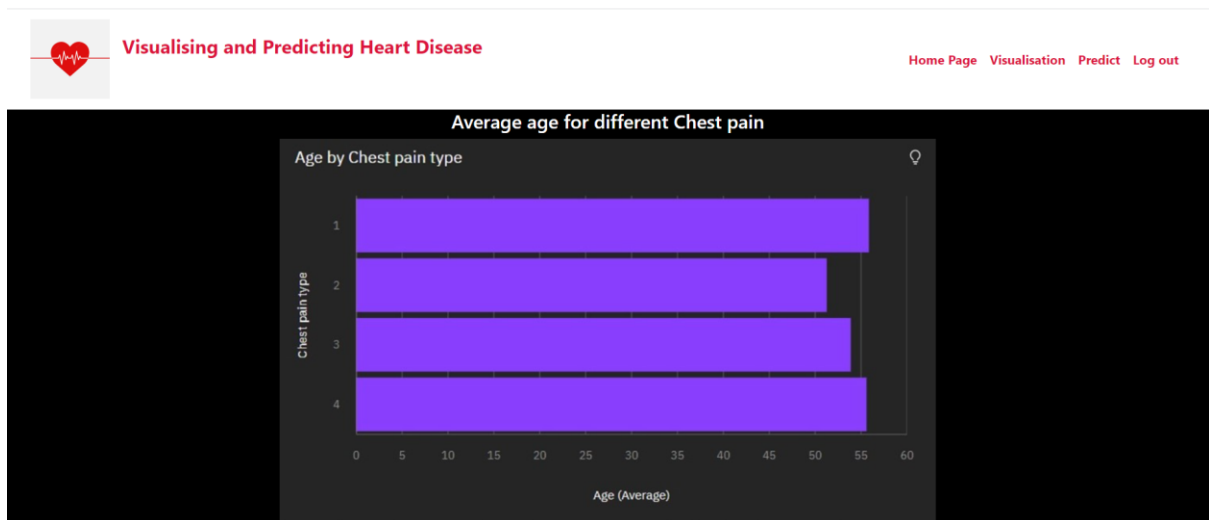
### Welcome to our Project

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 a set of features given. The features include:

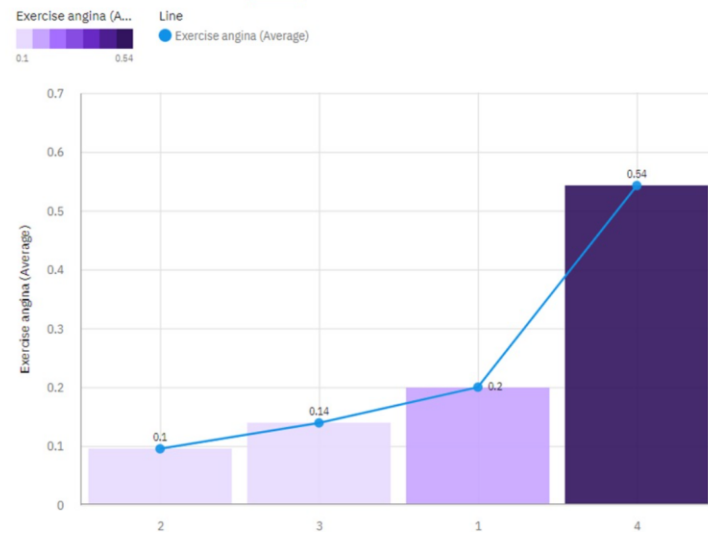
- Age
- Sex
- Chest Pain Type
- Blood Pressure
- Cholesterol
- Fasting Blood Sugar(FBS) Over 120 or not
- Cholesterol
- EKG Results
- Maximum Heart Rate
- Exercise Angina
- ST Depression
- Slope of ST
- Number of vessels fluroscopy
- Thallium

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.

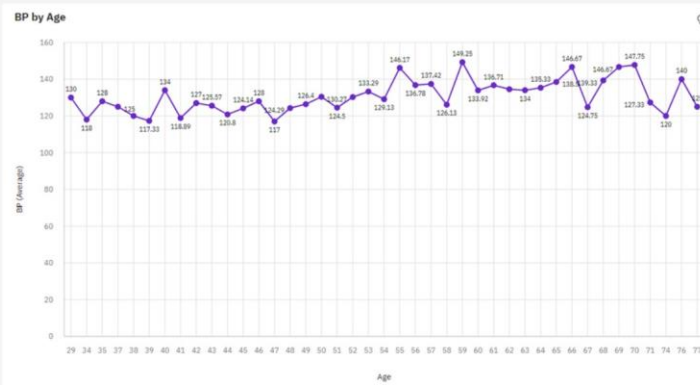
### On Clicking visualisation:



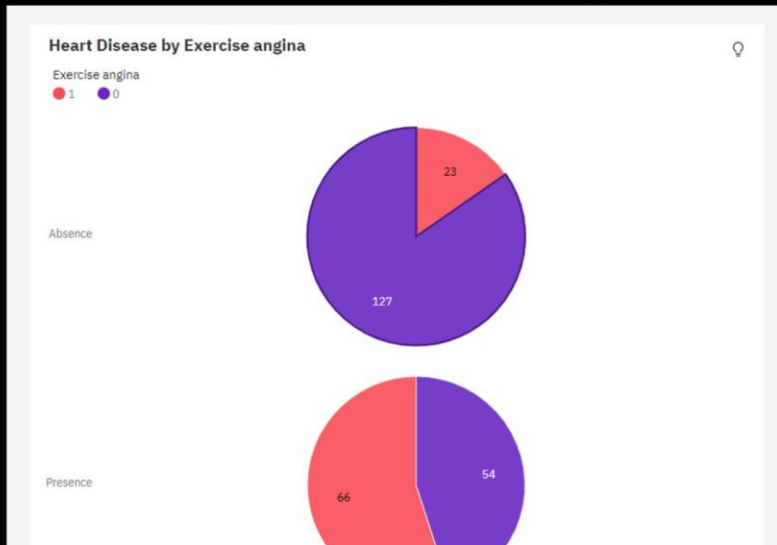
Average exercise angina during chest pain



Bp variation with respect to age



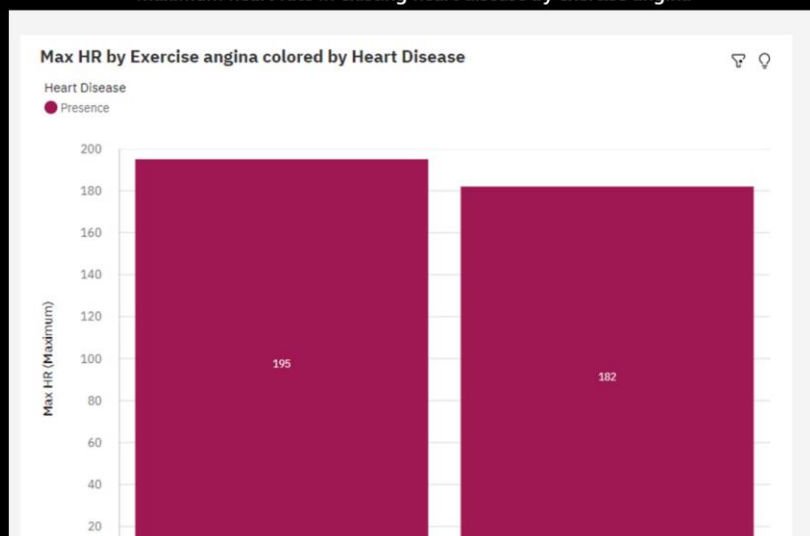
### Effect of heart disease on Average of Exercise angina



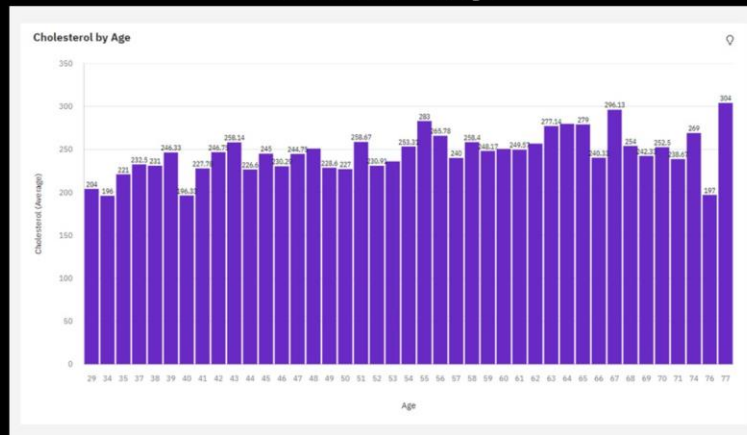
### Average age for different types of heart pain in existing heart disease



### 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

[Home Page](#) [Visualisation](#) [Predict](#) [Log out](#)

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