

# Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Working with Dataset

Exploration Of Data

Date	14 October 2022
Team ID	PNT2022TMID02520
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Team Leader : A.Surya

Team Member : R.S.Soumeeyah

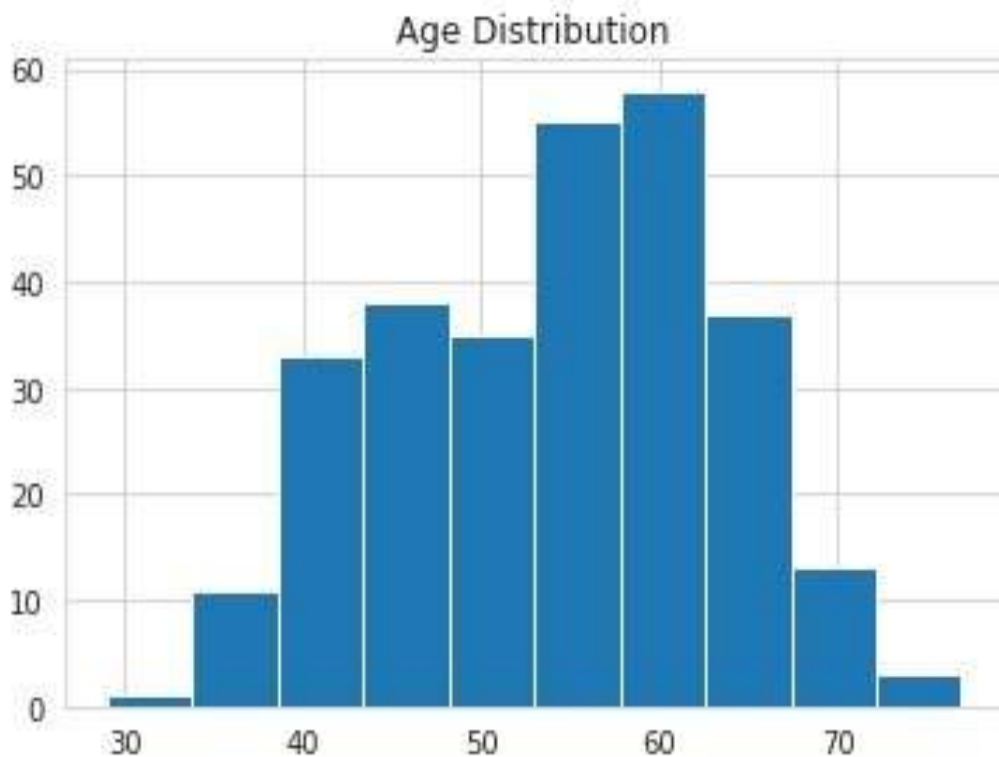
Team Member : D.Swetha

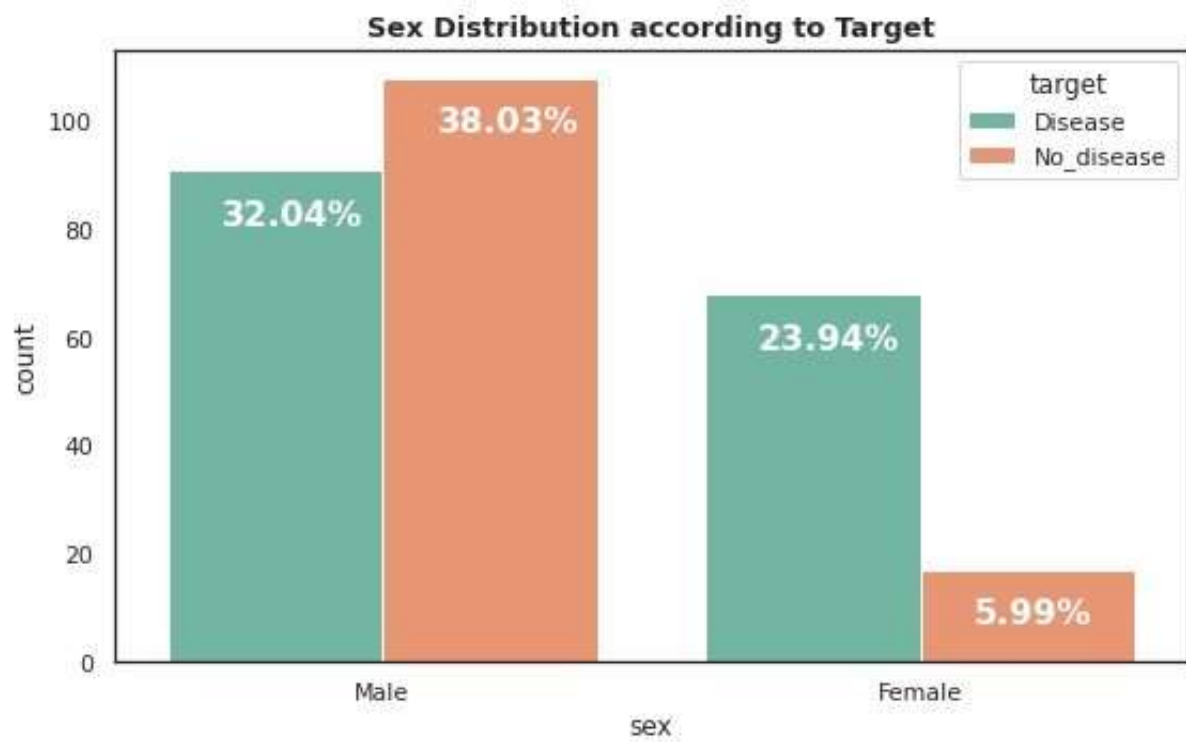
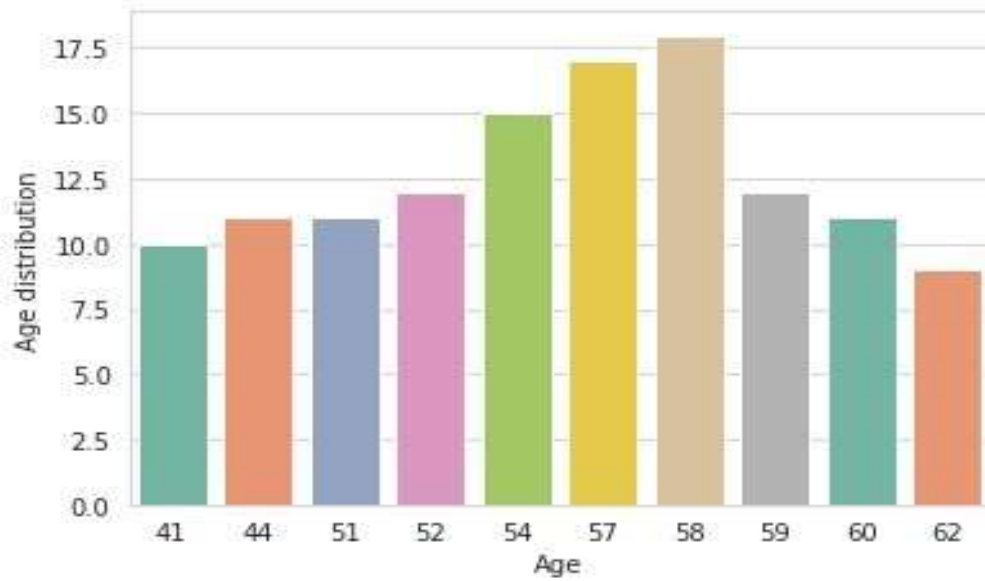
Team Member : T.Swetha

## Exploration of Data :

Exploration of Data relationships among the values is presented along with plotting of Average Age for different Chest Pain Types. For visualizing it, we will require the following data:

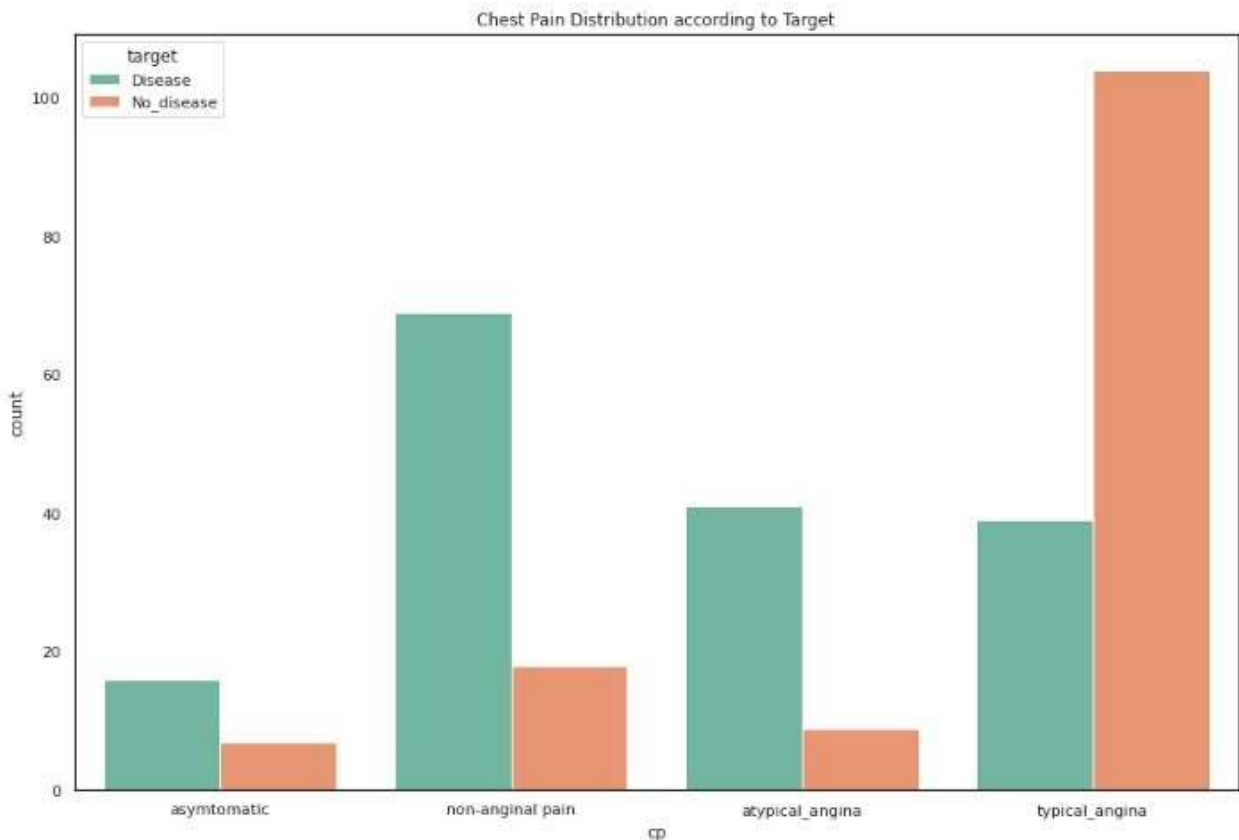
- \* Sex
- \* Age
- \* Chest Pain Type





From the bar graph, we can observe that among disease patients, male are higher than female.

Chest pain distribution according to target variable :



Chest pain (cp) or angina is a type of discomfort caused when heart muscle doesn't receive enough oxygen rich blood, which triggered discomfort in arms, shoulders, neck, etc.

However, looking at the bar graph above, it raised a question of higher number of healthy subject having typical\_angina. Or in other word, most of the healthy subject having chest pain, which is also discussed [here](#).

Chest pain can be subjective due to stress, physical activities and many more and varies between gender. Women and elderly patients usually have atypical symptoms with a history of disease. This [article](#) provide analysis comparing typical anginal vs nontypical angina patients in a clinical trial.