

# Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Team ID: PNT2022TMID01556

Faculty Mentor:

RAMYA R

Team Leader : Naveen Kumar J

Team Member : Naresh B

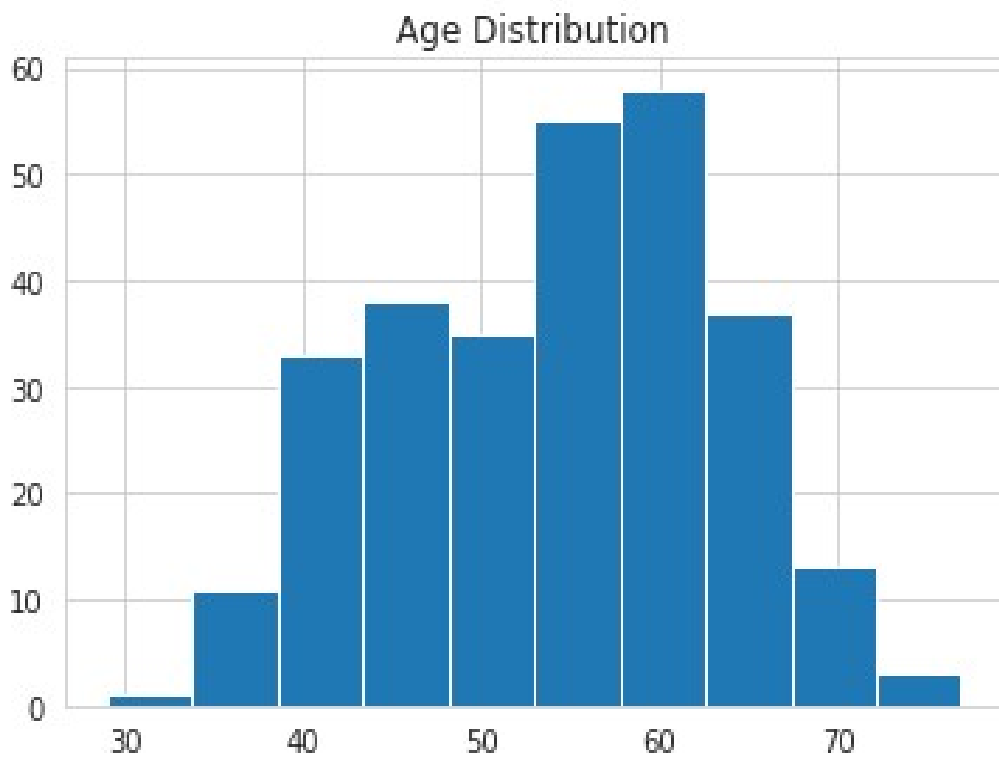
Team Member : Ohm Prakash S

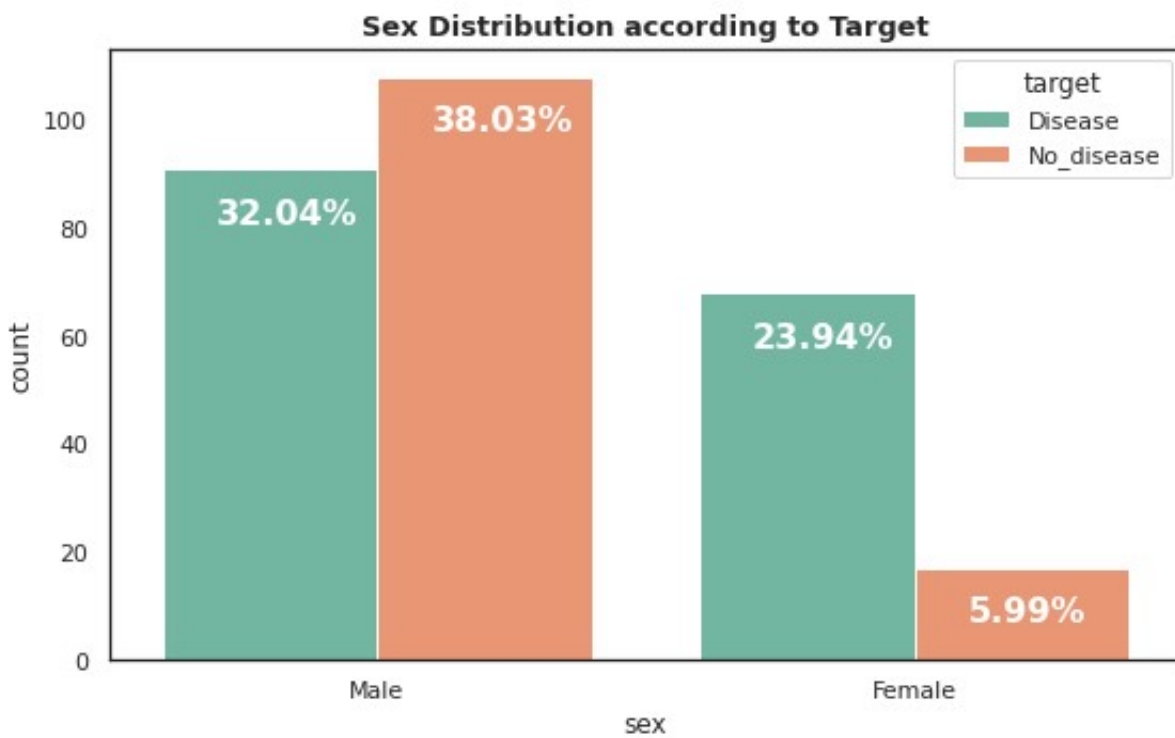
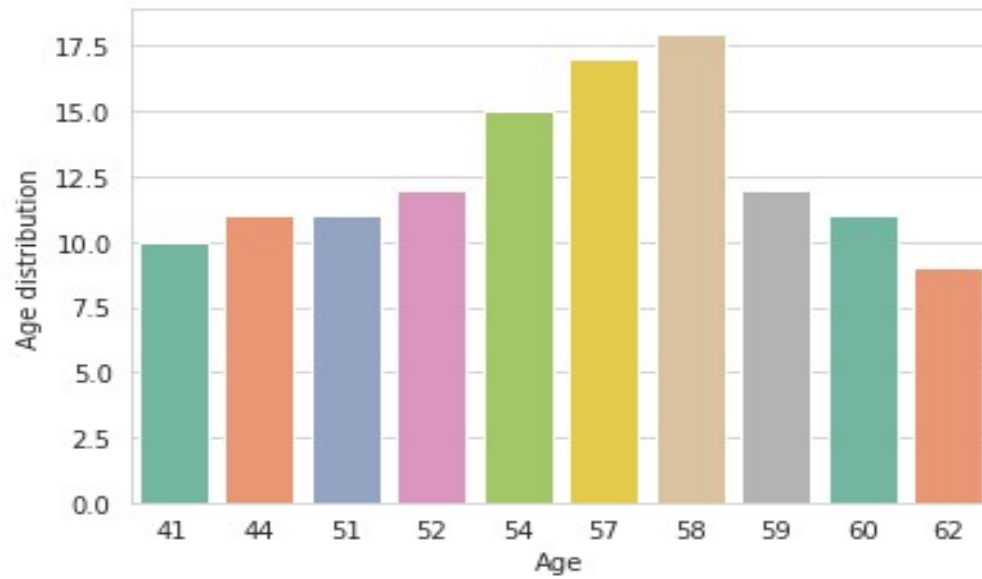
Team Member : Dinesh N

## **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:

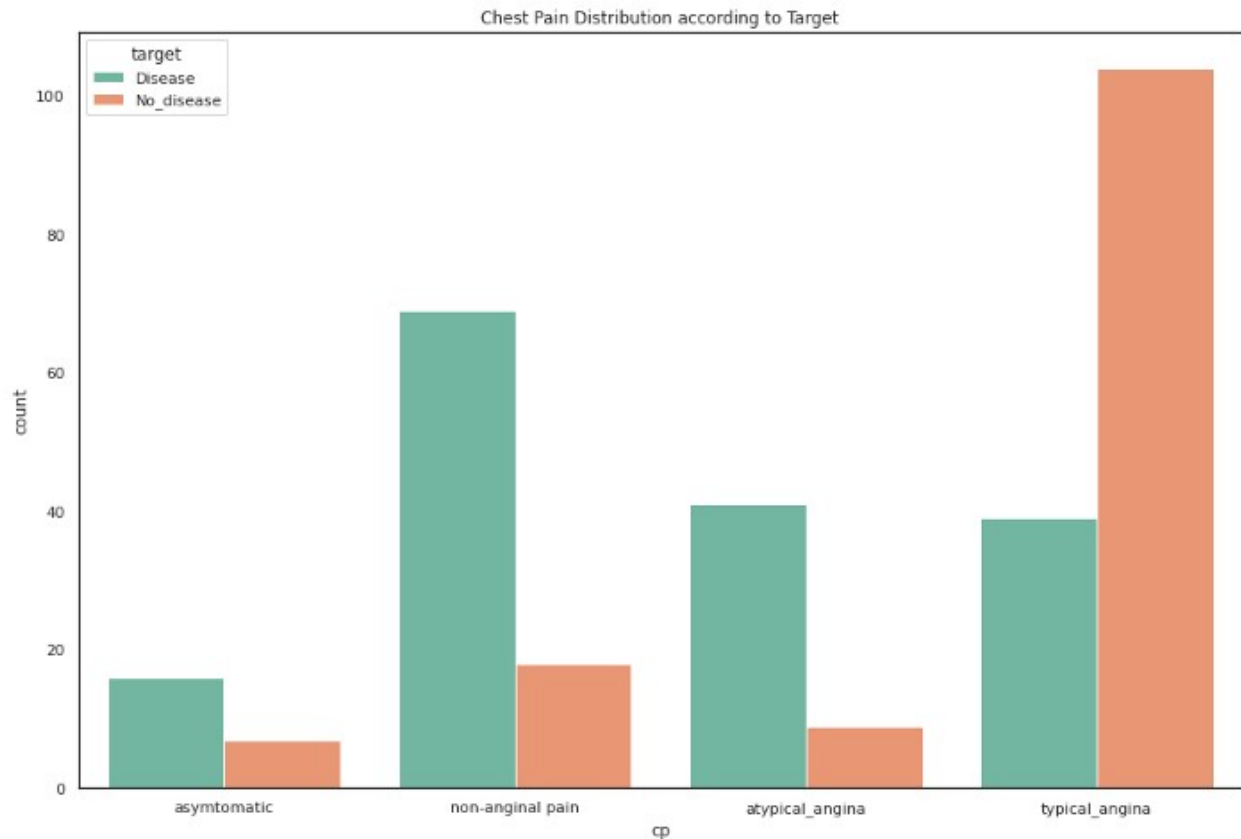
- \* Sex
- \* Age
- \* Chest Pain Type





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.