Predicting the Risk of Heart Disease

Springboard Capstone 2 | Aakash S.
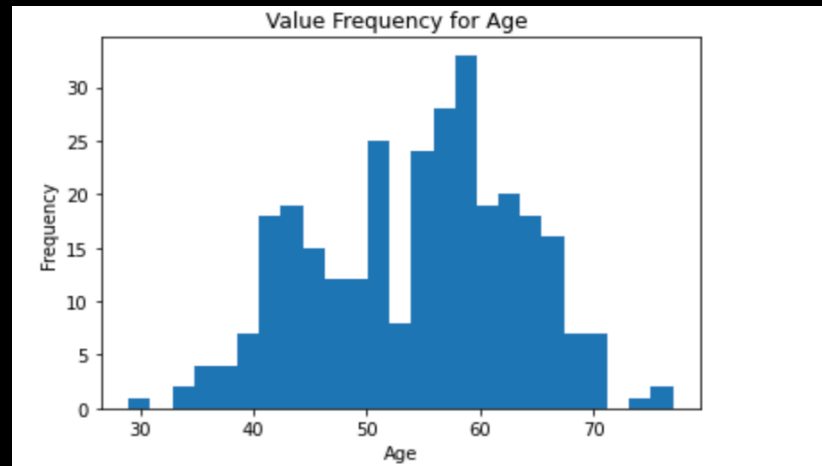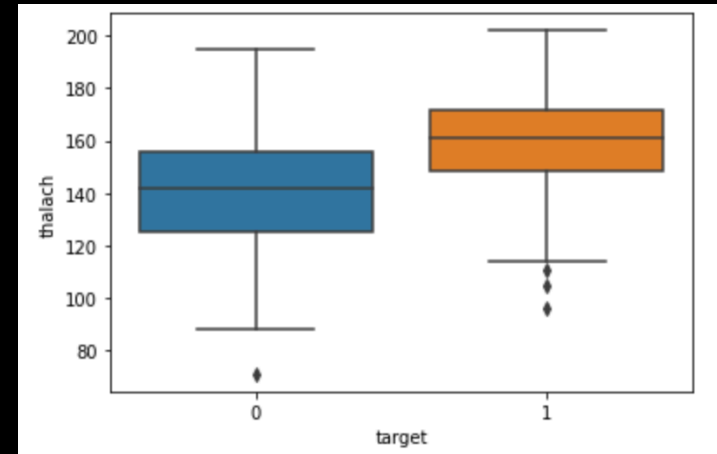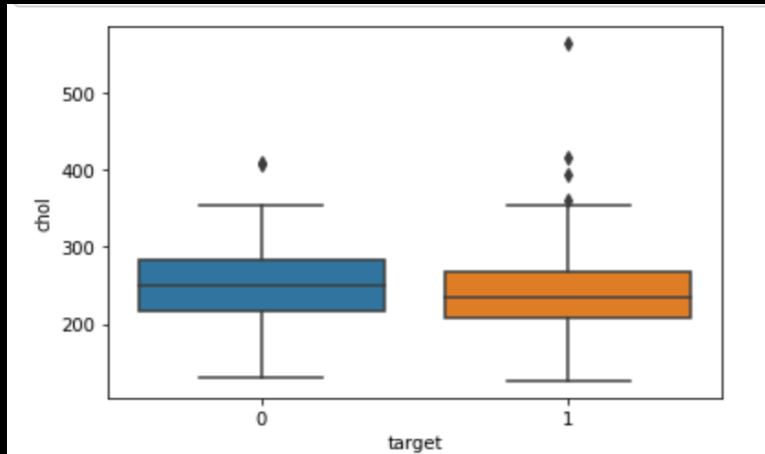
Project Goal

- Identify who had or did not have heart disease based of the features in the dataset

Stakeholders

- Hospitals
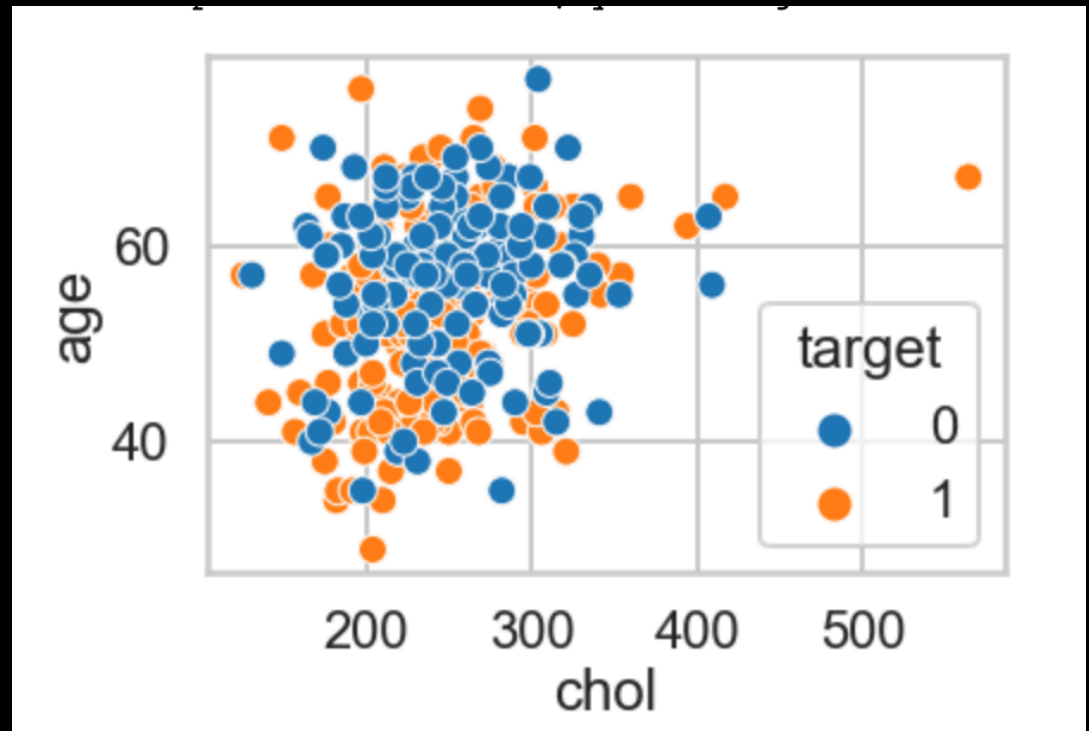- Family
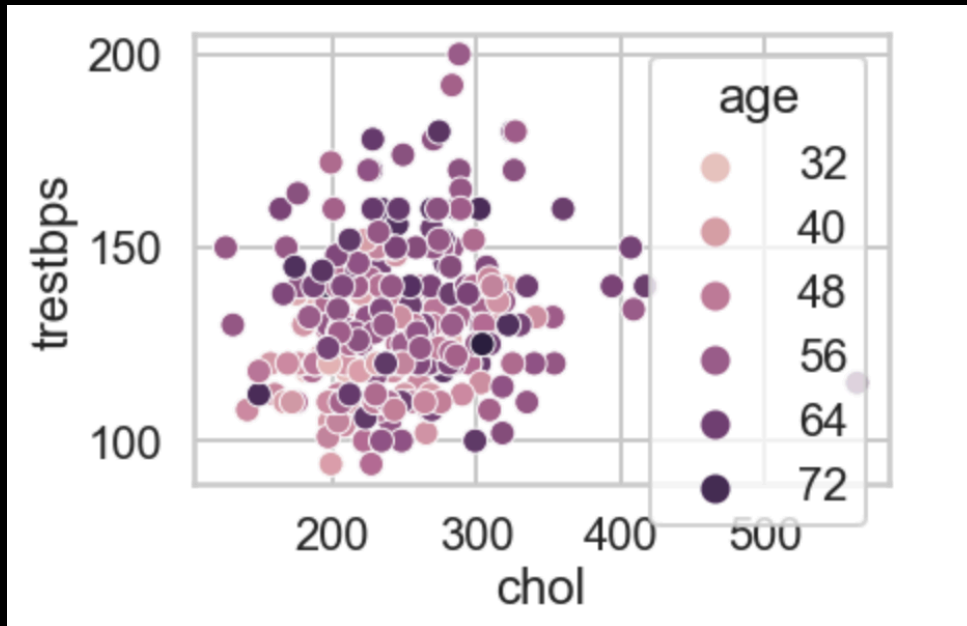- Hospital advising board
- Patients

Data Exploration

Preprocessing

- Correlation of 0(no cholesterol) & 1(with cholesterol)

- Average high cholesterol

Preprocessing

Comparism between trestbps
and cholesterol

Preprocessing & Training

- Gradient Boosting :
  - Learning rate or 1 at a 94% training rate

  - Random Forest:
    - Accuracy=0.787
    - f1-score=0.785

Conclusion

- Results from the capstone came to be that overall data resulted in positive computation stating that the overall population of those with heart disease do have the heart disease, especially over the age of 55.