

HOW TO SURVIVE A HEART ATTACK

Manage Coronary Heart Disease and Prevent
Heart Attacks



Our Team



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Hippocratia

The danger of “silent” heart attacks

- Healthcare based startup
- Manage Coronary Heart Disease
- Prevent Heart Attacks through a specific drug





Hippocratia Challenge

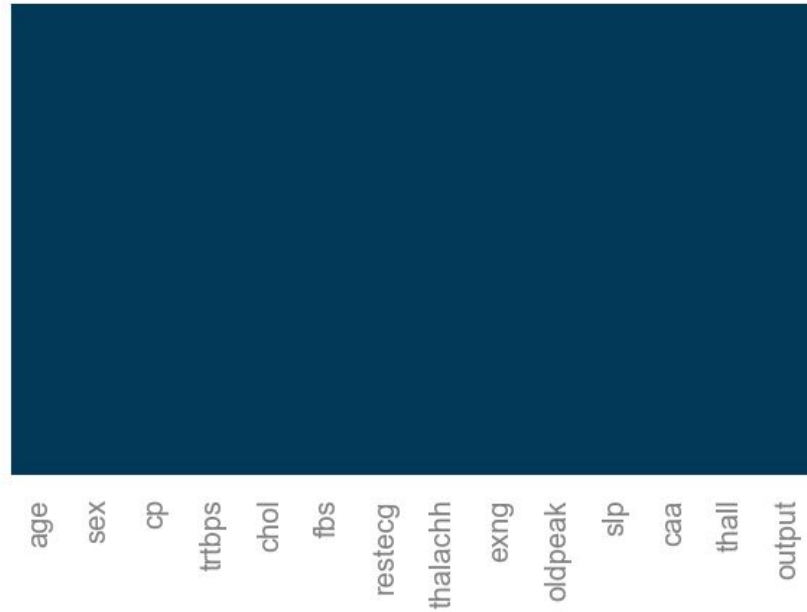
Hippocratias will sell a Heart Medication and develop a suite to detect heart conditions and save lives.



Exploratory data analysis (EDA)

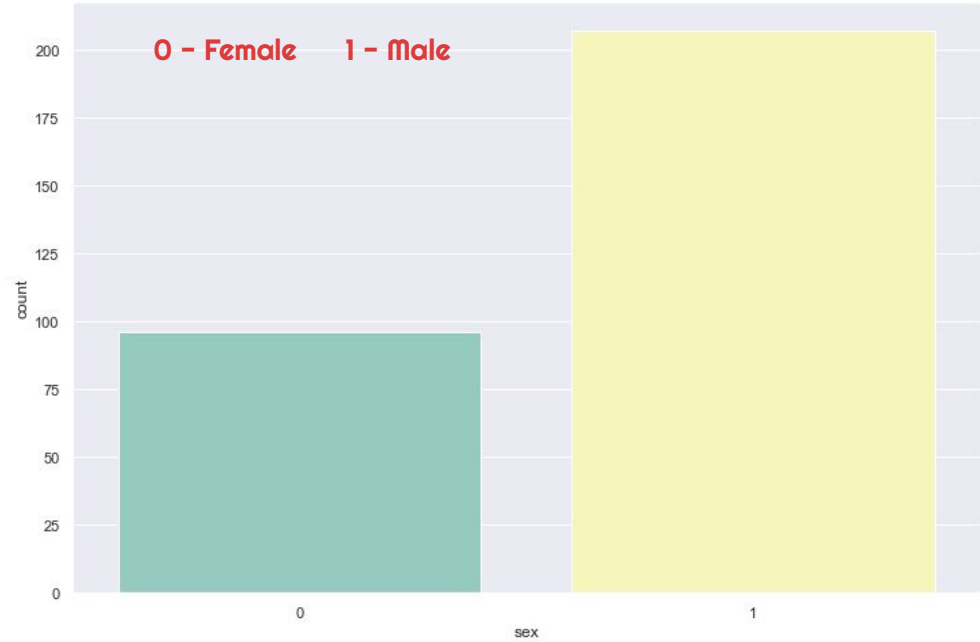
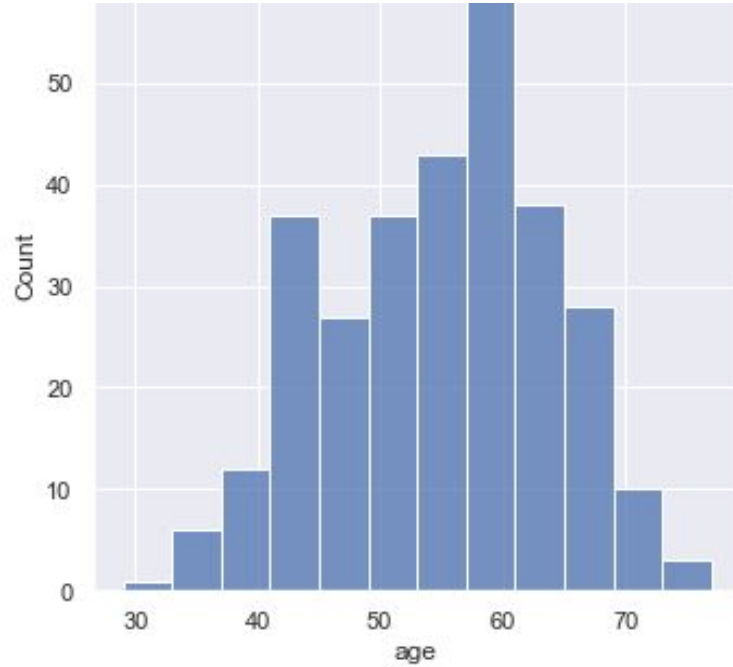
NULL VALUE

Finding Null Values Using Heatmap



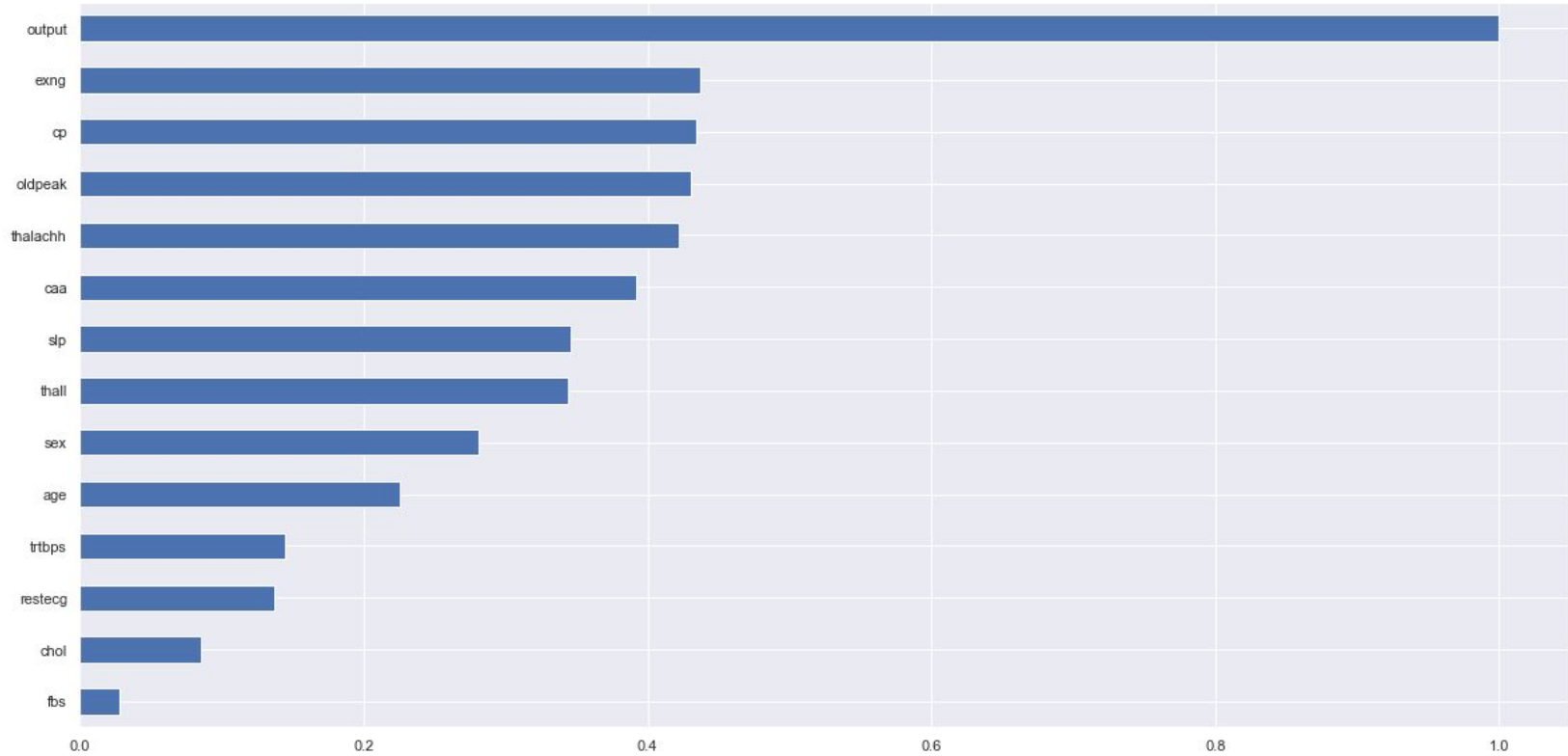
We checked if there were null value in the dataset

AGE AND GENDER



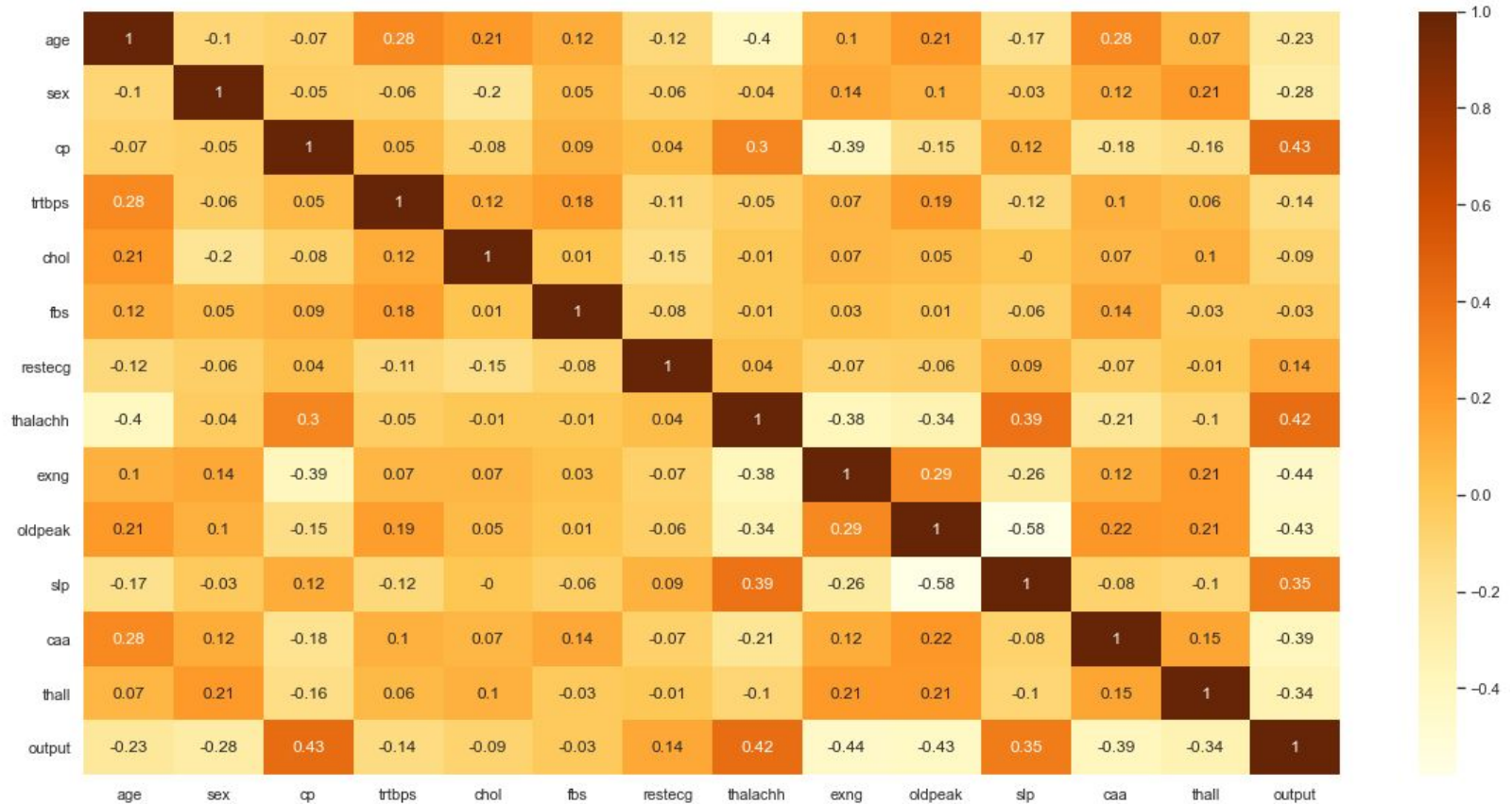
Here we have the gender proportion and the respective age, 60% are male.

CORRELATION



Correlation of the feature in the dataset

CORRELATION MATRIX



Accuracy before augmentation

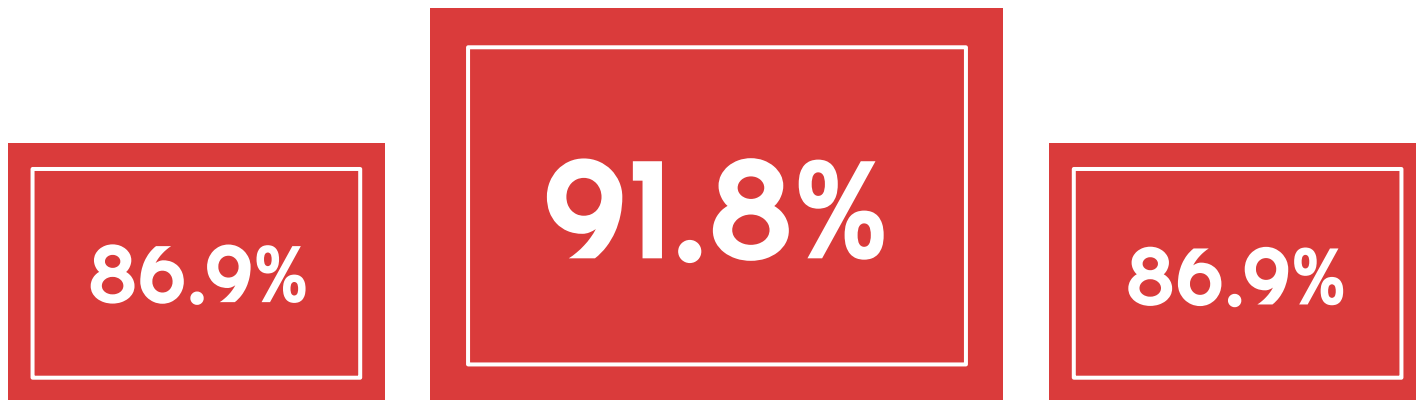


Random Forest

Adaboost have the
best accuracy before
argumentation

Skl HistGBM

Accuracy after augmentation



AdaBoost

Random Forest have the
best accuracy before
argumentation

CatBoost

Our demo

