Heart Disease MVP

Prepared by

Rania Almneie
Hanadi Alshahrani
Najd Alqahtani

"Start taking care of your heart before it falls apart."
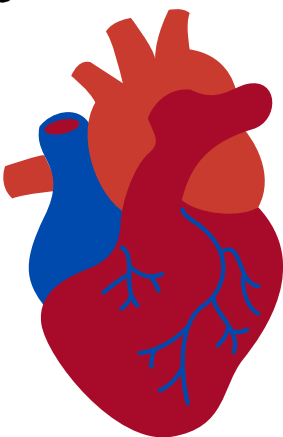
This project's goal is to predict whether or not a patient has heart disease.

The Distribution of target
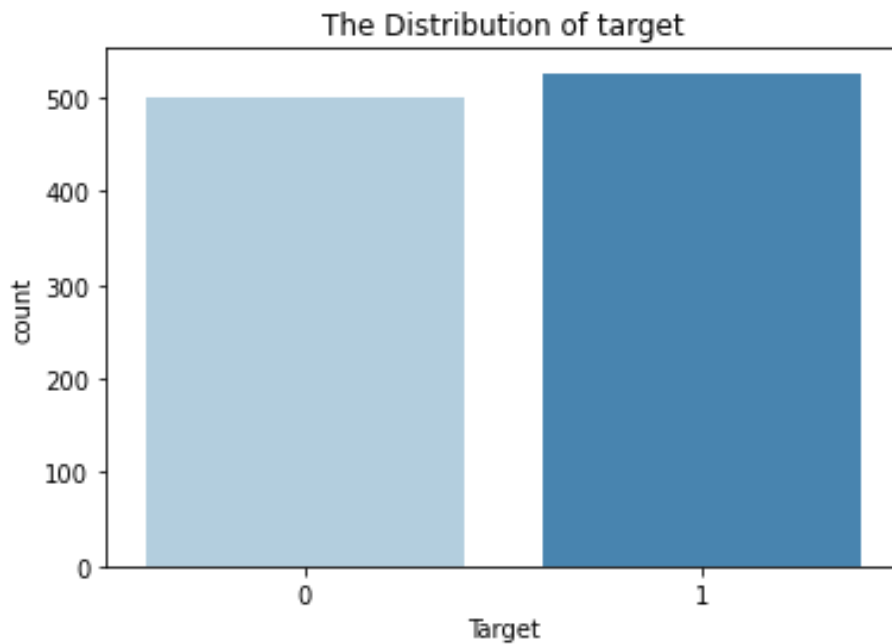
To begin, we've looked at target distribution categories 0 and 1 where Category 0 has no disease and Category 1 has disease. As shown in the plot, there is a balance between the two classes, so we will consider accuracy, as well as the number of incorrect predictions for people with heart disease (Recall).

Logistic Regression Confusion Matrix

We started building the LogisticRegression model and we got an accuracy of 86 . The false negative is 27, as shown in the Confusion Matrix, which is a rather low value, but we hope to reduce it further by building more models such as (Random Forest, Extra Trees Classifier and Support Vector Machine).