

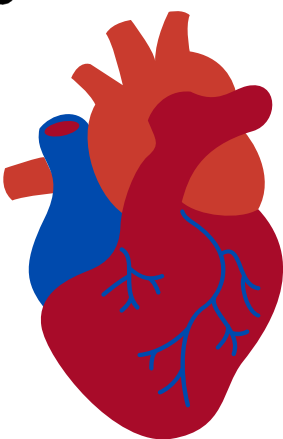
**"Start taking care of
your heart before it
falls apart."**

Heart Disease MVP

Prepared by

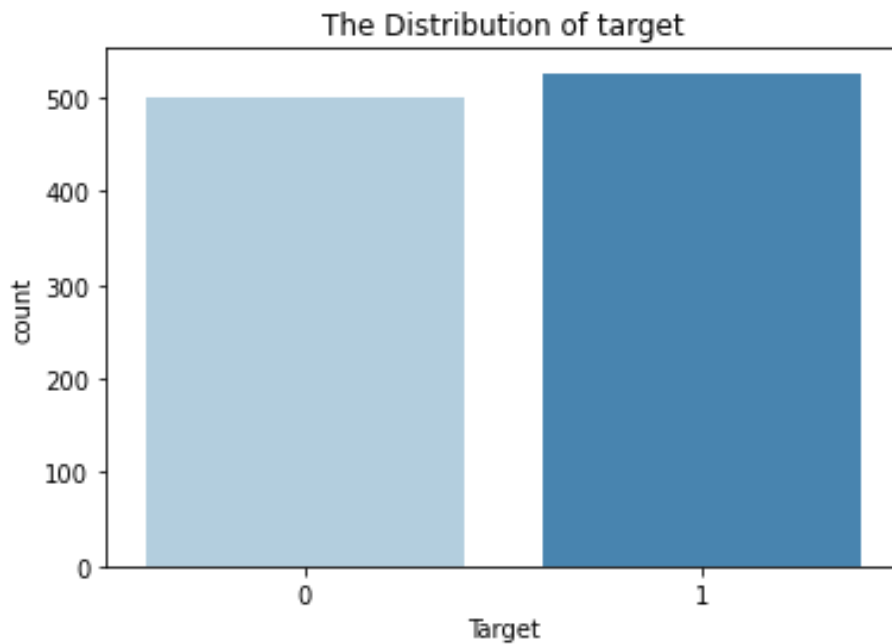


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This project's goal is to predict whether or not a patient has heart disease.

"A healthy heart
is the main source
of your strength."



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

| | | |
|---|-----|-----|
| 0 | 162 | 27 |
| 1 | 27 | 194 |
| | 0 | 1 |

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).

