Decision Tress

The dataset contains features such as:

* Financial information: LIMIT\_BAL, BILL\_AMT1-6, PAY\_AMT1-6, and AVG\_PAY.
* Demographic attributes: AGE, SEX\_2, EDUCATION\_2-4, MARRIAGE\_2-3.

After trying decision tress on this data-set, the decision trees model has given good accuracy but the confusion matrix says something different. Although we got good accuracy the value of false negative and false positive is still high.

To solve this issue I have tried different methods. Grid search, random forest, boosted trees, feature engineering, scaling and grouping of predictors. But the values of false negative and false positive is still high. Concluding that decision trees is not a good model to use for this type of datasets.

Outcome:







