

Overview

Home Credit Default Risk



48.74K

Total Customer

Select all

Defaulters

Non-Defaulters



32.96%

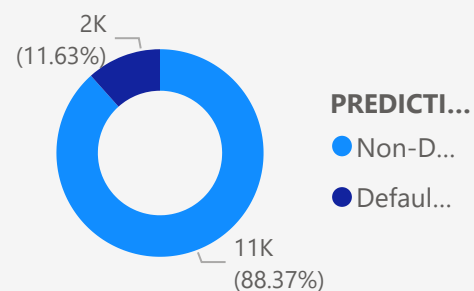
Male



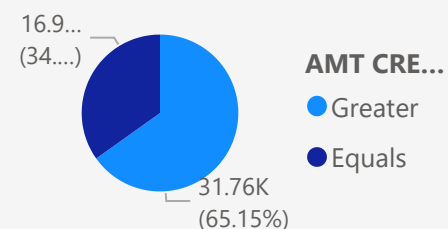
67.04%

Female

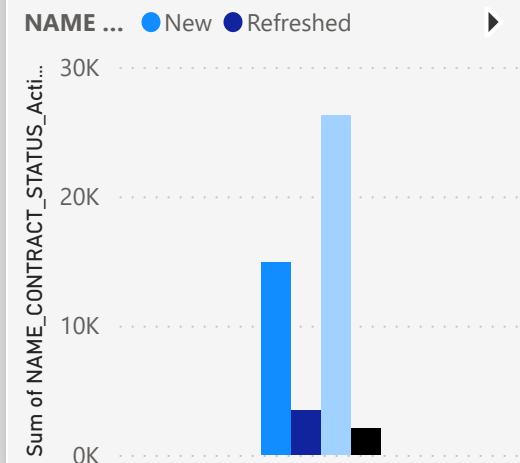
PREDICTION OF WHO HAS NO ARREARS



AMOUNT CREDIT COMPARED TO GOODS PRICE



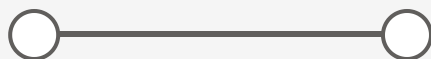
CLIENT TYPE OF ACTIVE CLIENT STATUS



PROBABILITY

0.00

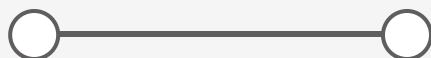
0.96



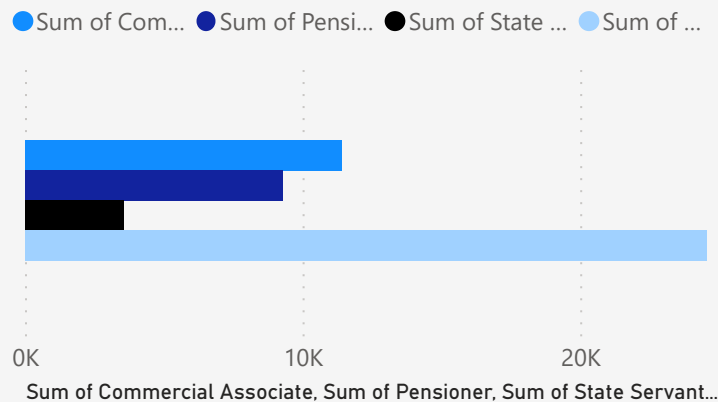
AGE

20.10

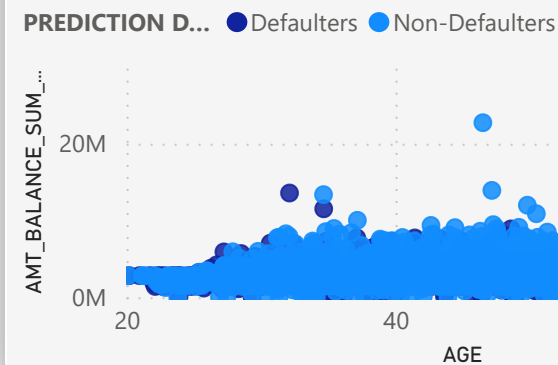
69.03



NAME INCOME TYPE



DISTRIBUTION OF PREDICTION WITH AGE AND AMOUNT BALANCE



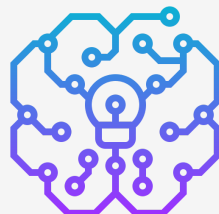
Machine Learning Models for Churn Prediction

Model Comparison



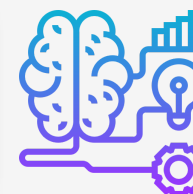
100

Top Feature



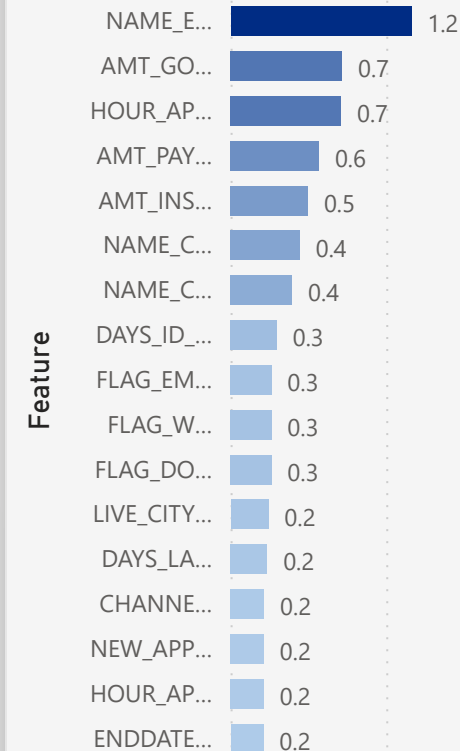
0.53

Average of Recall



What are the Most Important Features of the LDA Model ?

Importance 0.00 1.16

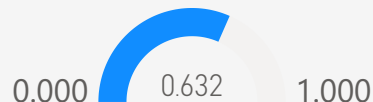


Overview

Model

What were the Recall Performance Scores for Each Model ?

Prediction Recall

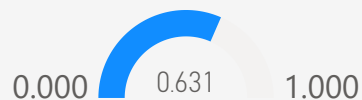


LDA
Algorithm

31.12%

Churn

Prediction Recall



LR
Algorithm

27.44%

Churn

Sum of Recall



Random Forest
Algorithm

15.52%

Churn

Prediction Recall



Naive Bayes
Algorithm

42.19%

Churn

Accuracy of the Models

Random F.. 0.8598

LDA 0.6933

Logistic Re... 0.6929

Naive Bayes 0.6260

AUC Score

Model Name	AUC Score
LDA	0.722
Logistic Regression	0.721
Naive Bayes	0.657
Random Forest	0.676

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