

PROBLEM?

Dataset: Simulates mobile money transactions based on a sample of real transactions extracted from one month

6.362.620 rows, 11 columns



Save



Fraud



Business Value







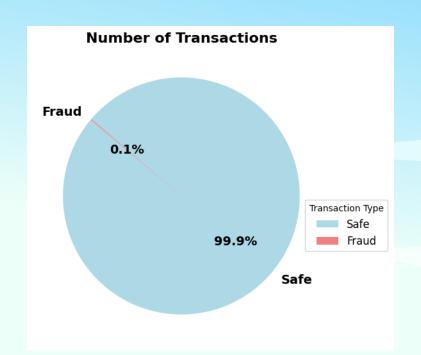


Safe Banking



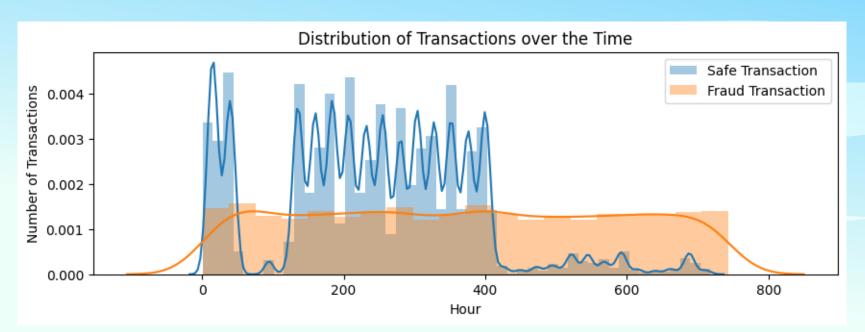
More Profit

Save VS Fraud



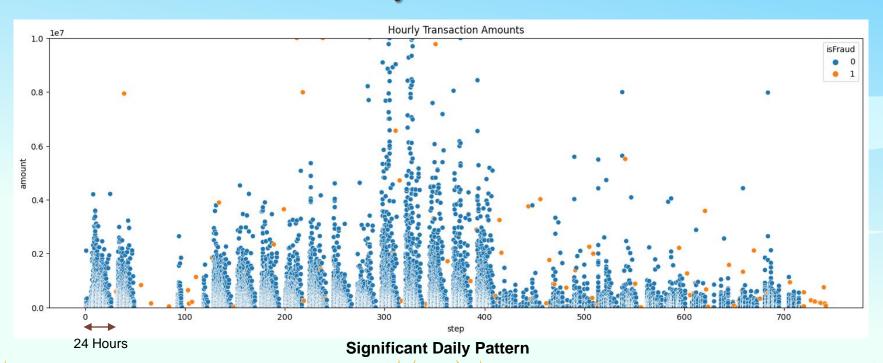


Frequency

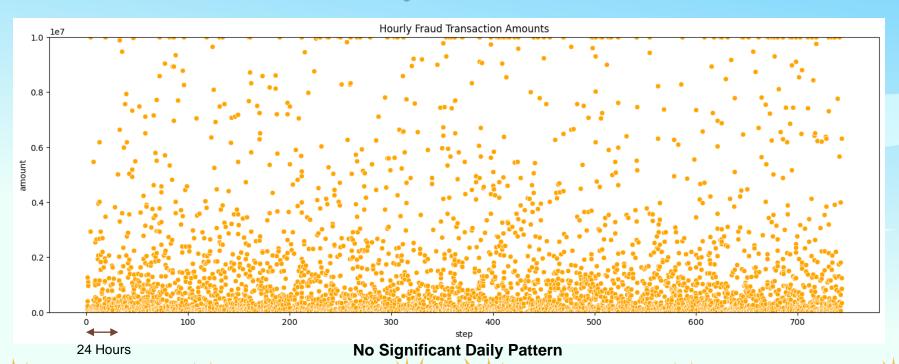


Distrubition plot shows drastic changes in the number of transactions occured each hour

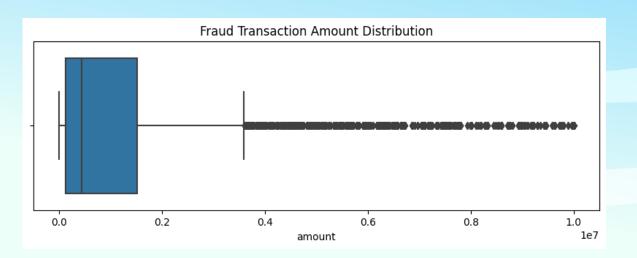
Daily Pattern



Daily Pattern



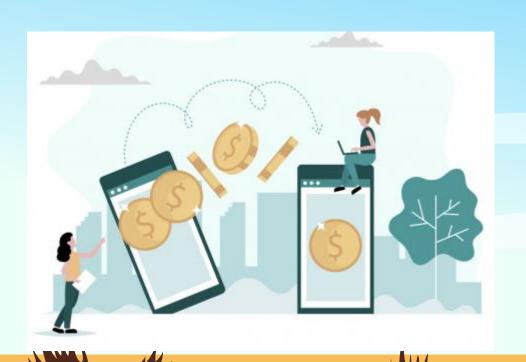
Fraud Amount Distribution



1 fr	aud.amount.describe()
count	8.213000e+03
mean	1.467967e+06
std	2.404253e+06
min	0.000000e+00
25%	1.270913e+05
50%	4.414234e+05
75%	1.517771e+06
max	1.000000e+07
Name:	amount, dtype: float64

"Most of the frauds happen below \$400,000"

Type of Transactions





Transfer



Cash-Out

Descriptive statistics







\$146 k
Mean



\$0 Min

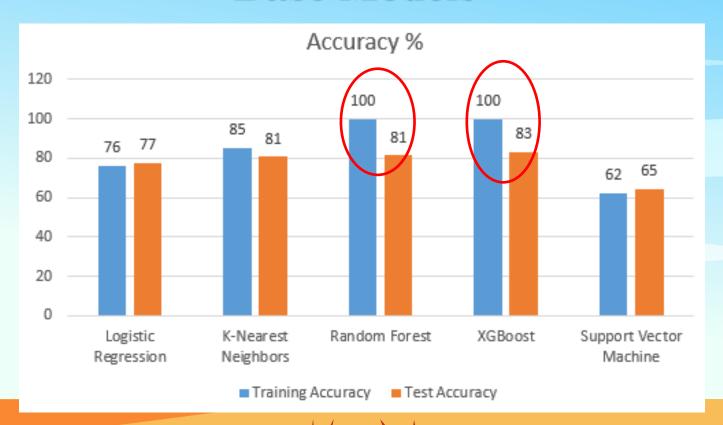


\$10M Max



\$64 − 10M_{Range}

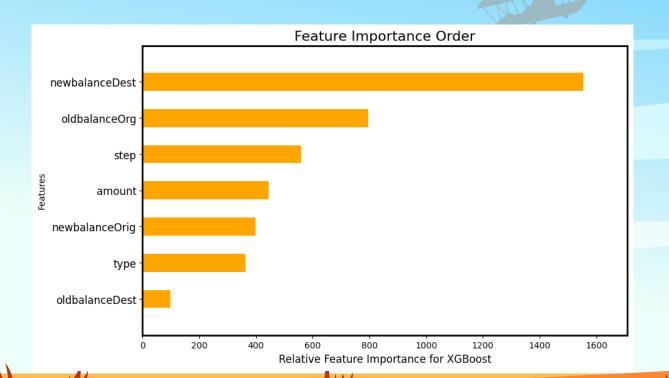
Base Models



Best Models

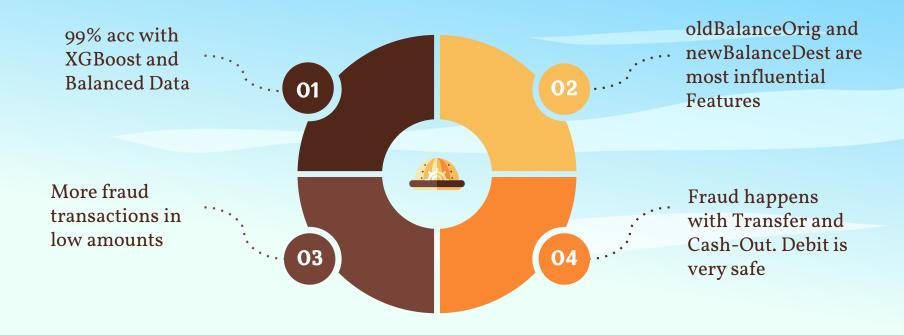


Features





Conclusions



Manufacture of the state of the



