## **Bank Fraud Detection**

**Enhancing Fraud Prevention with Machine Learning** 

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### **Business Problem**

Manual reviews create a long and tedious process.

Is a transaction fraudulent or not.

The aim of this model is to speed up the process of fraud detection

Reducing cost and creating better fraud prevention

# Methodology

#### **Data Overview:**

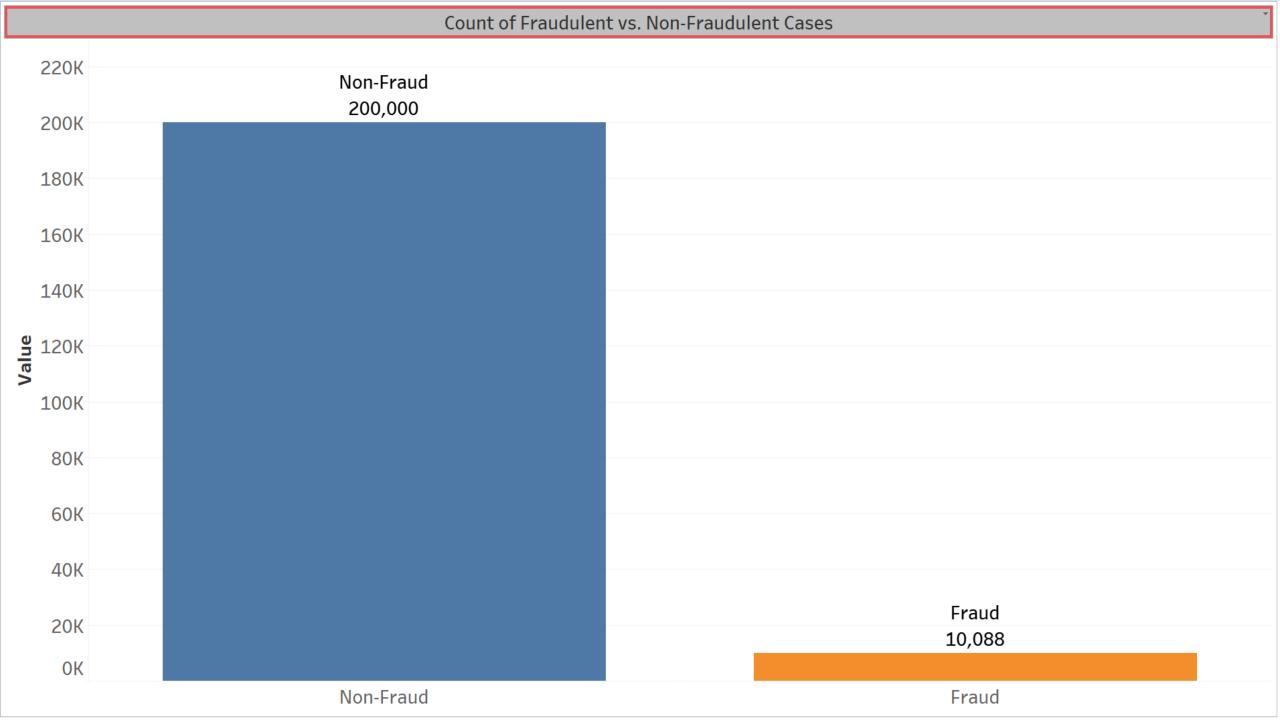
Kaggle, Bank Fraud Dataset - 200K rows, 19 categories

Approach:

Train system to recognize suspicious transactions.

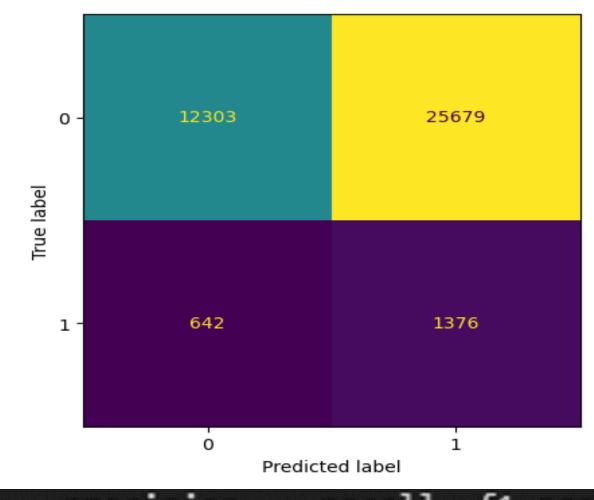
Goal:

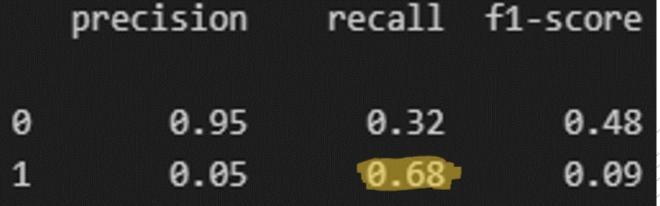
To determine if the model can assess whether a transaction is fraudulent or not.



### Metrics Evaluation

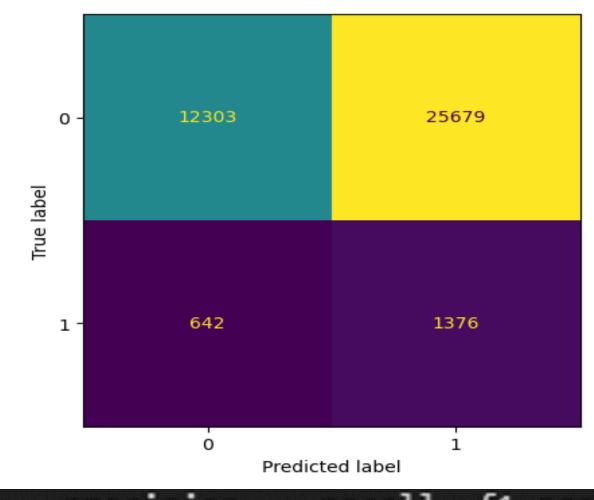
68 % of transactions are classified as Fraud

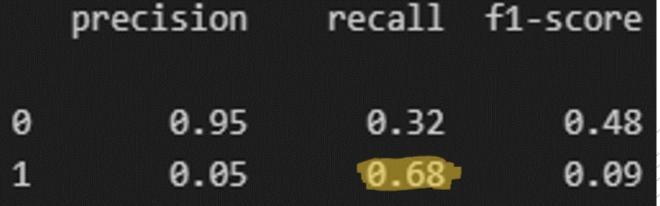




### Metrics Evaluation

68 % of transactions are classified as Fraud





# Next Steps

**New Fraudulent Trends** 

Experiment with other models and algorithms

Updating the data



Speeding up fraud detection

Cost

Improving fraud prevention