

# Anomaly Detection in Credit Card Analysis

Total Credit Card Transaction

631K

Diff Of Fraudlant and Normal Transactrion Amount

3.58M

Highest Fraud Transaction Amount

10.00M

Avg No of Normal Transaction

161.50K

Average Fraud Transaction

881.59K

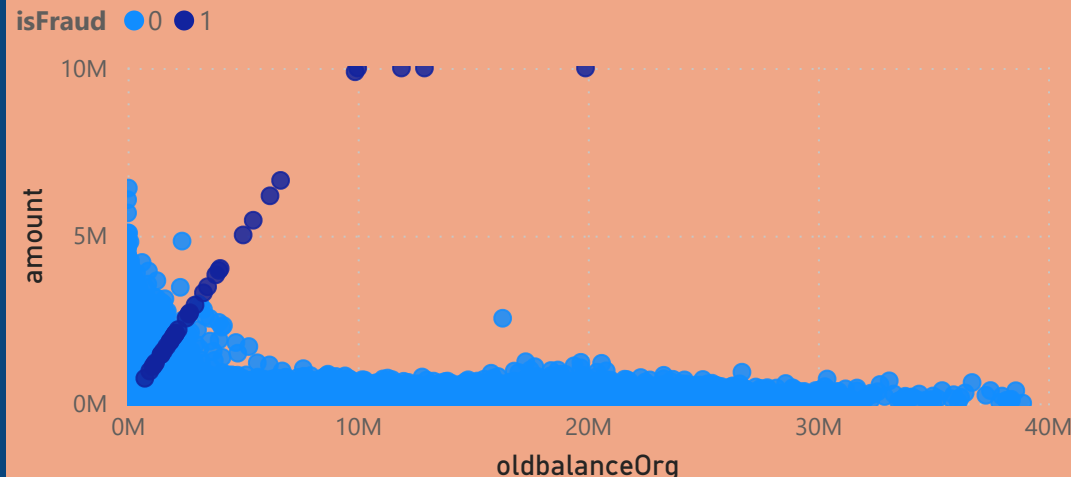
Fraud Transaction

383

Fraud Transaction Percentatge

0.06

Relation between oldbalanceOrg and amount



Merchants with high fraud transaction

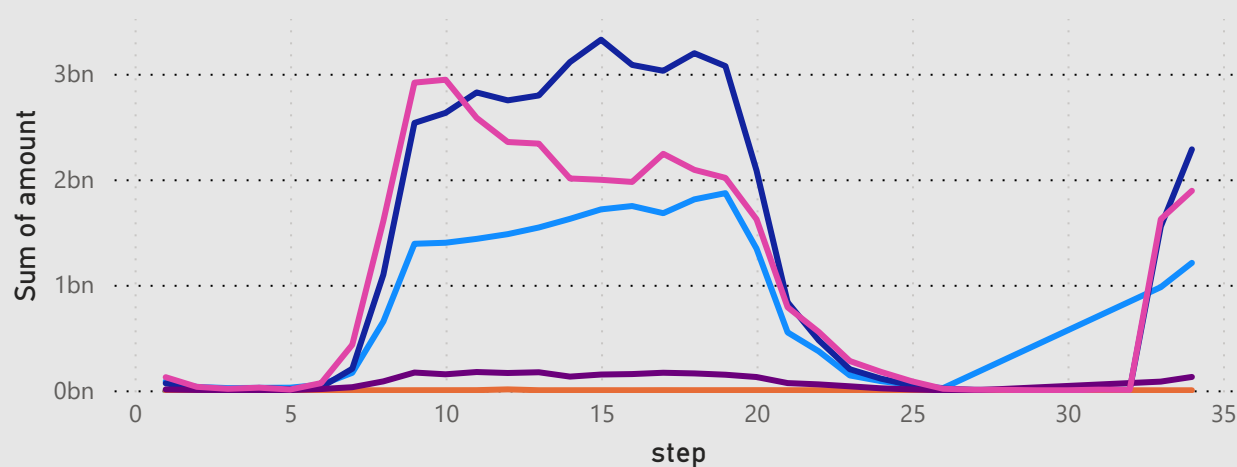
nameDest	Count of amount
C185805228	2
C200064275	2
C410033330	2
<b>Total</b>	<b>6</b>

Top 10 Merchant by count

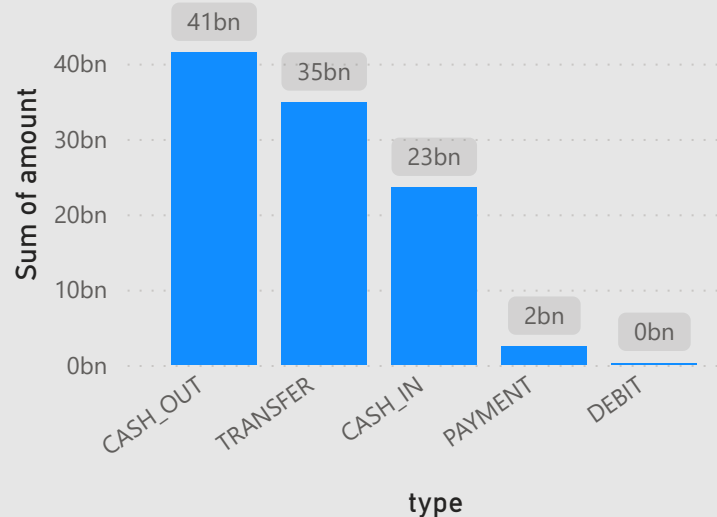
nameDest	Count of amount
C985934102	95
C977993101	80
C665576141	85
C451111351	76
C306206744	75
C248609774	87
C2083562754	85
C1590550415	83
C1360767589	79
C1286084959	89
<b>Total</b>	<b>834</b>

Transaction amount over time(steps)

type ● CASH\_IN ● CASH\_OUT ● DEBIT ● PAYMENT ● TRANSFER



Sum of amount by type



# Analysis

While analyzing credit card transactions, we discovered multiple fraudulent transaction has been done.

- . The total credit card transactions is 631K out of which 383 transactions has been recorded as fraud transactions.
- . 10 M is the highest fraud transaction amount, performed by 6 merchants.
- . Total fraud amount is 102 billions.
- . Mostly Cash\_out type is used for fraud transactions.
- . Steps between 15-20 consists of max transaction amount.