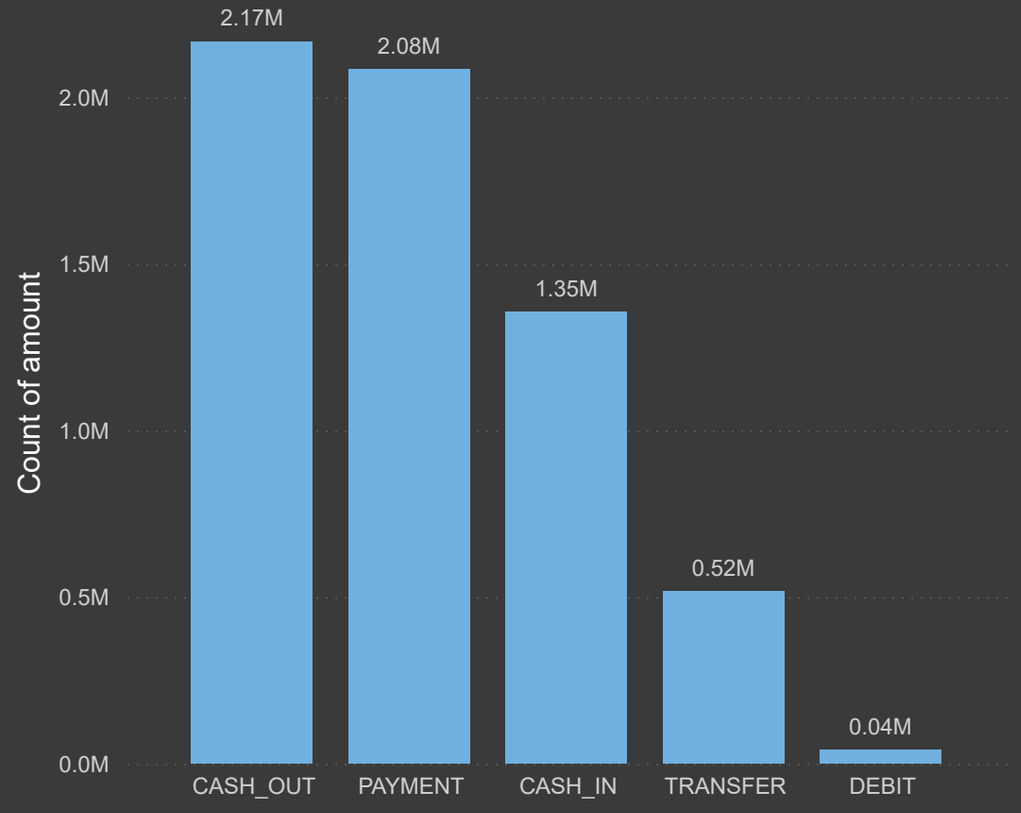
TRANSACTION TYPES AND VOLUMES

DASHBOARD

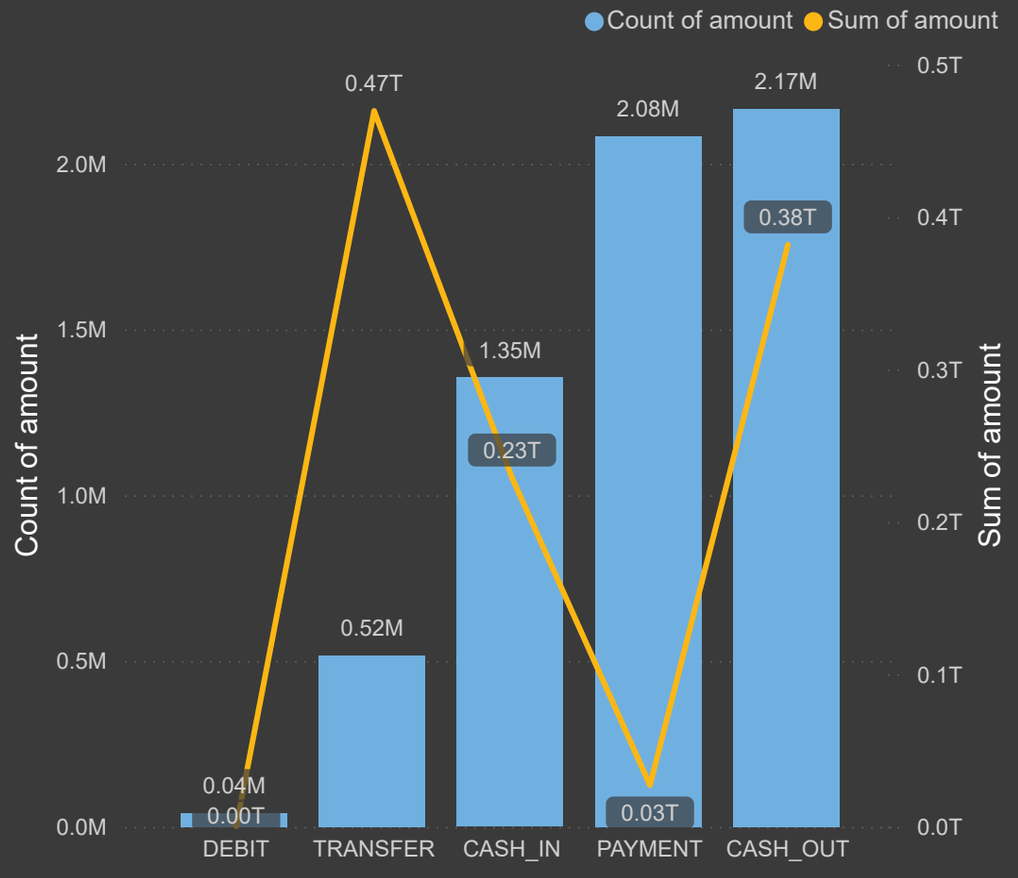
type

All

Total Transactions by count



Total Transactions by type



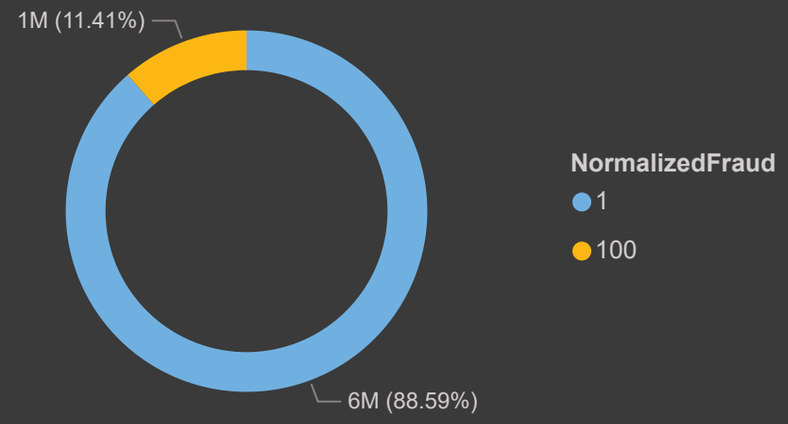
IDENTIFY FRAUDULENT TRANSACTIONS

DASHBOARD

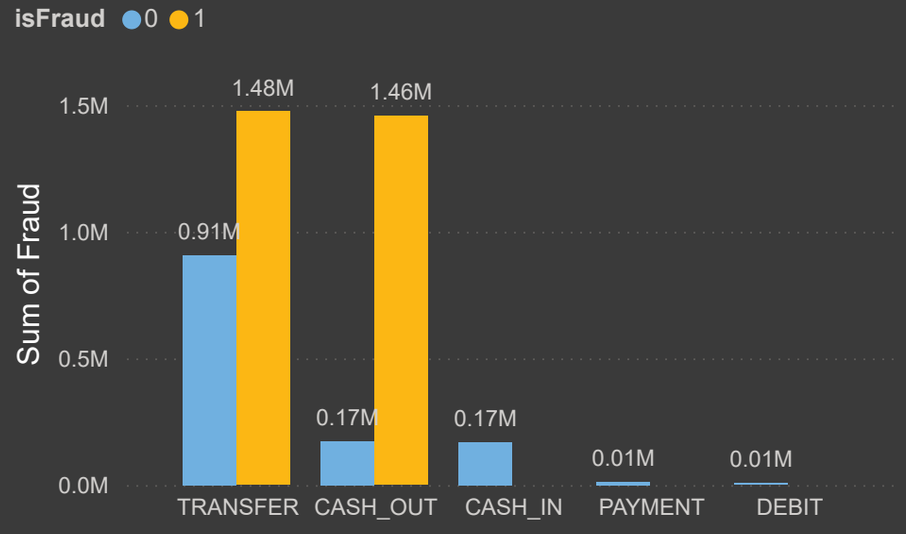
type

All

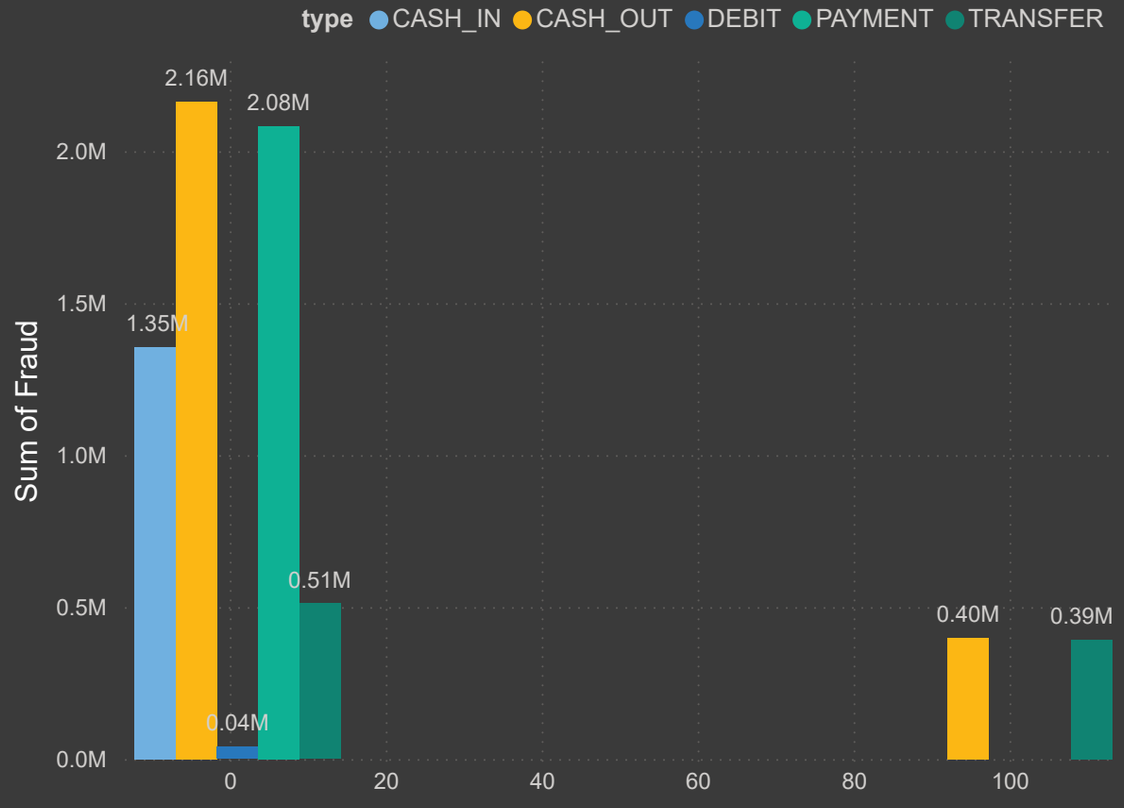
% of Fraud Transactions



Avg Transactions by type and isFraud



IsFraud Transactions by type



Financial Fraud Detection Dashboard

KPI 1 - Transaction Types and Volumes | KPI 2 - Identify Fraudulent Transactions | DASHBOARD | Summary

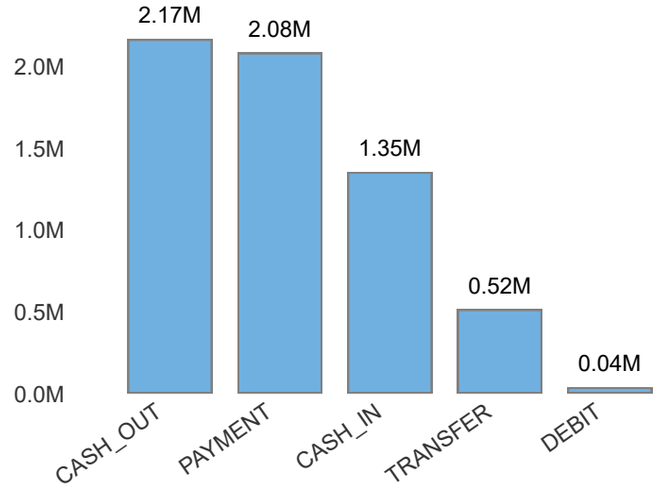
Transaction Count
6.16M

Total Transactions
$1.11T

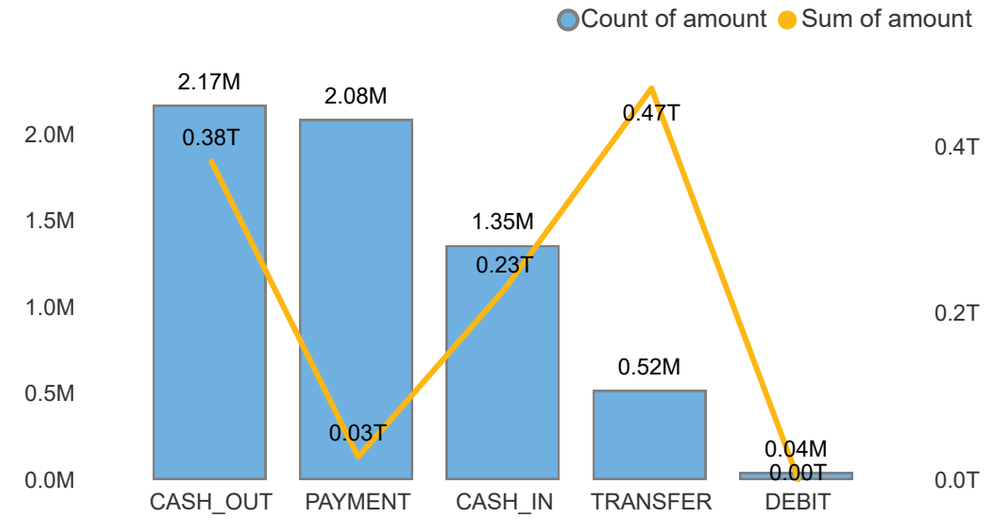
Fraudulent Transactions
7922

Avg Transaction Amount
$179.85K

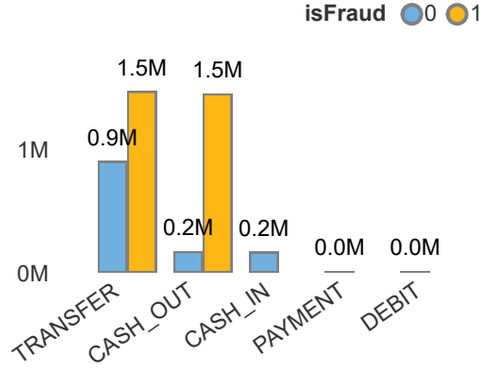
Total Transactions by count



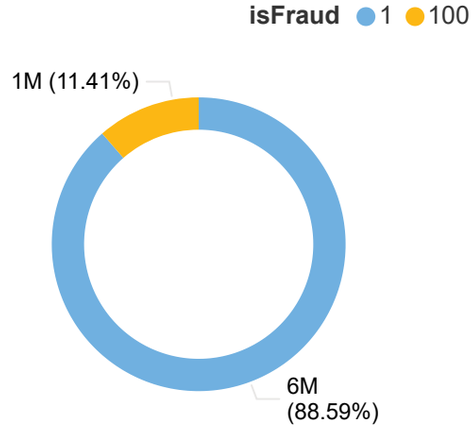
Total Transactions by type



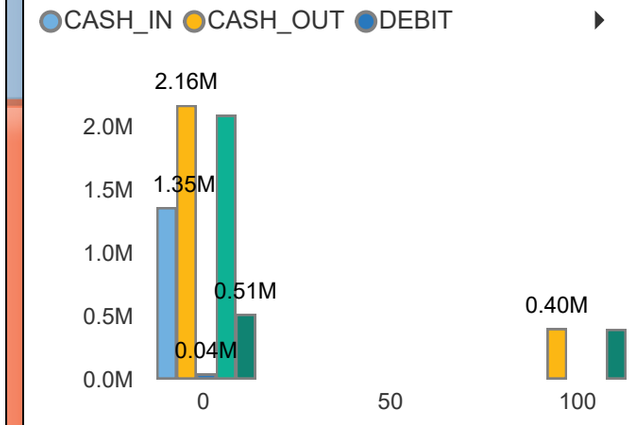
Avg Transactions by type and isFraud



% of Fraud Transactions



IsFraud Transactions by type



DASHBOARD

Key Insights & Recommendations

Transaction Type Distribution:

- The dataset shows a significant distribution of transactions across types such as PAYMENT, TRANSFER, CASH_OUT, etc.
- **PAYMENT** and **CASH_OUT** transactions are the most frequent, contributing to the bulk of the transactions.

Fraudulent Transaction Volume:

- Fraudulent transactions represent a small fraction of the overall dataset (~0.13%), making them difficult to visualize with common methods like pie charts or bar charts.
- **TRANSFER** and **CASH_OUT** transactions exhibit the highest number of fraud cases, while **PAYMENT** transactions show almost no fraudulent activity.

Transaction Amounts in Fraudulent Transactions:

- Fraudulent transactions tend to involve higher transaction amounts compared to non-fraudulent transactions. This was observed in the box plots or scatter plots showing a higher average for fraud-related cases.
- **High-value transfers** are particularly prone to fraud, which aligns with typical fraud behavior targeting large sums of money.

Patterns by Fraud Status:

- While fraudulent transactions are rare, their distribution is heavily concentrated in **specific transaction types**, notably in **CASH_OUT** and **TRANSFER**.
- Non-fraudulent transactions are spread more evenly across all types, with **PAYMENT** being the dominant transaction type.