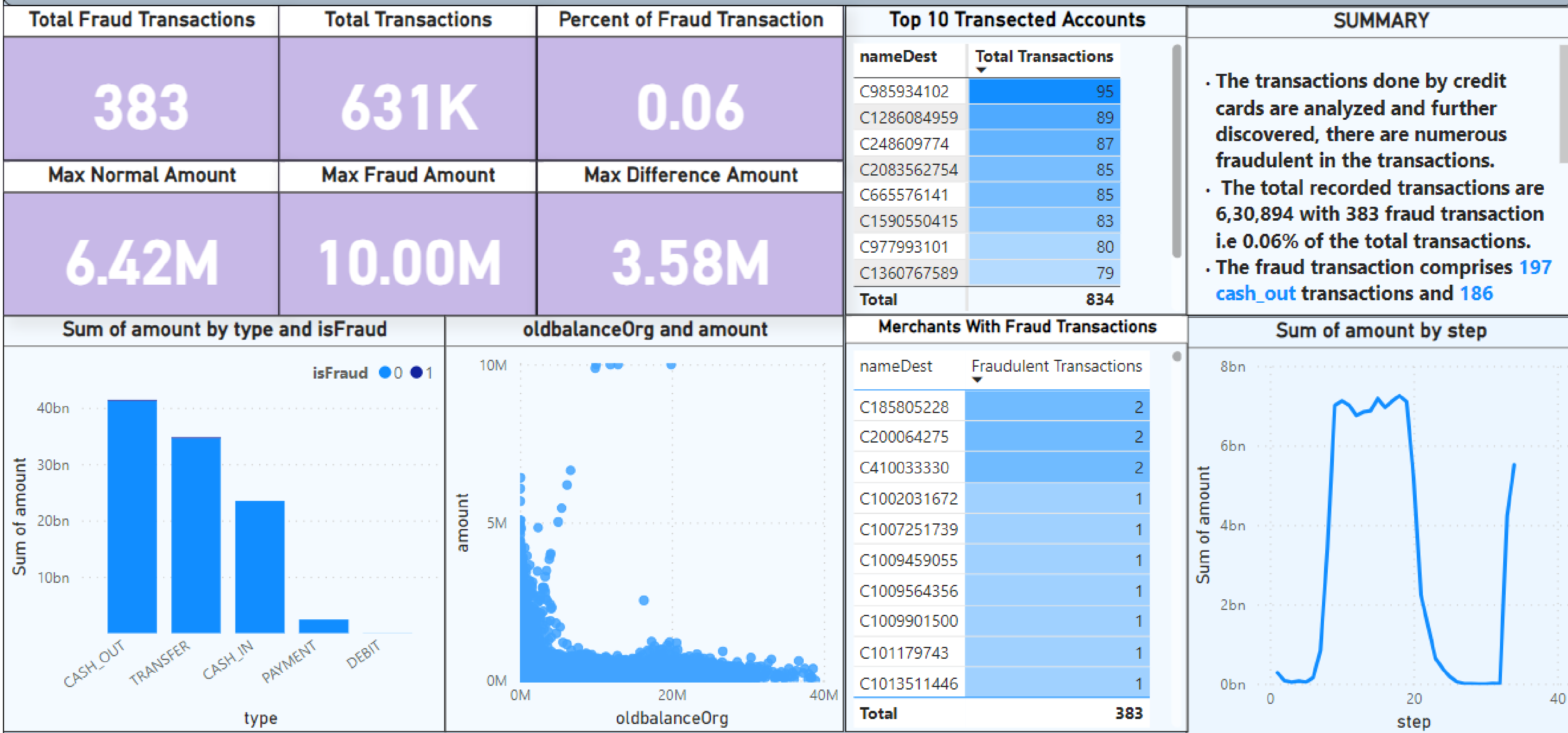


# Anomaly Detection in Credit Card Transactions



# Analysis

**After the credit card transactions are examined, it is found that many of the transactions are fraudulent.**

- 3,83 fraud transactions, or 0.06% of all documented transactions, out of 6,30,894 total transactions.
- Since there are 197 cash-out transactions and 186 transfer transactions in the fraud transaction, transactional safety is especially important for these two types of transactions.
- The maximum scam amount, which involved six people in total, was \$10 million, which is a hefty sum in and of itself.
- Three distinct clients have been the victim of two separate fraud attempts, totaling a maximum of 828,720 at one time.
- The approximate total amount of fraud is 102 billions.
- With 224013 transactions and an approximate sum of 41 billions, the cash\_out type is the most prevalent.
- With only 4769 transactions and an anticipated total of 29 million, the debit type is the least used. The maximum number of transactions in steps ranging from 15 to 20 consist of roughly 7.3 billions.