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**Anomaly**

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# DAX

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Q1

Q1  
**720.09K**  
avg\_diff

Q2

Q1  
**881.59K**  
avg\_fraud

Q3

Q1  
**161.50K**  
avg\_normal

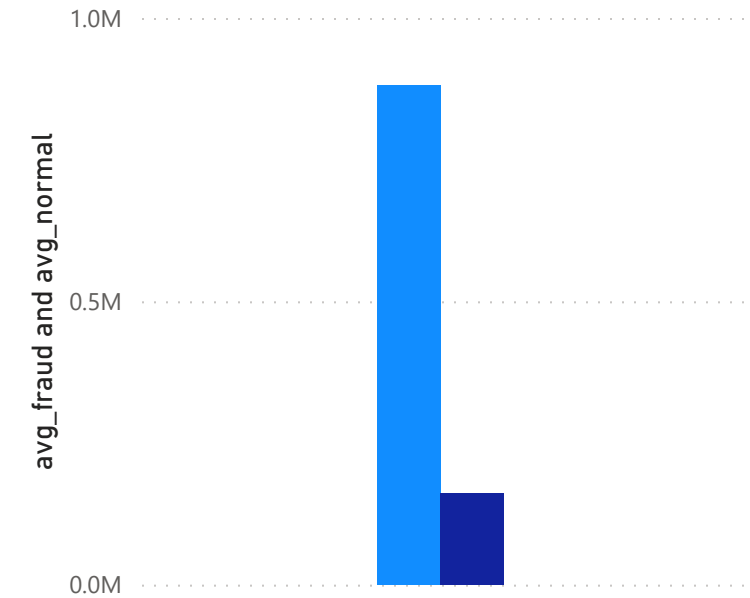
Q4

Q5

Q6

avg\_fraud and avg\_normal

● avg\_fraud ● avg\_normal



102.17bn

Sum of amount

560.28bn

Sum of oldbalanceOrg

572.89bn

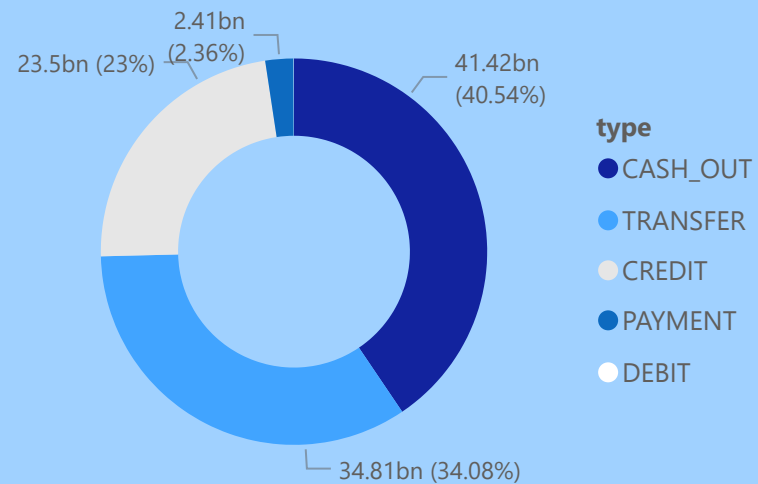
Sum of newbalanceOrig

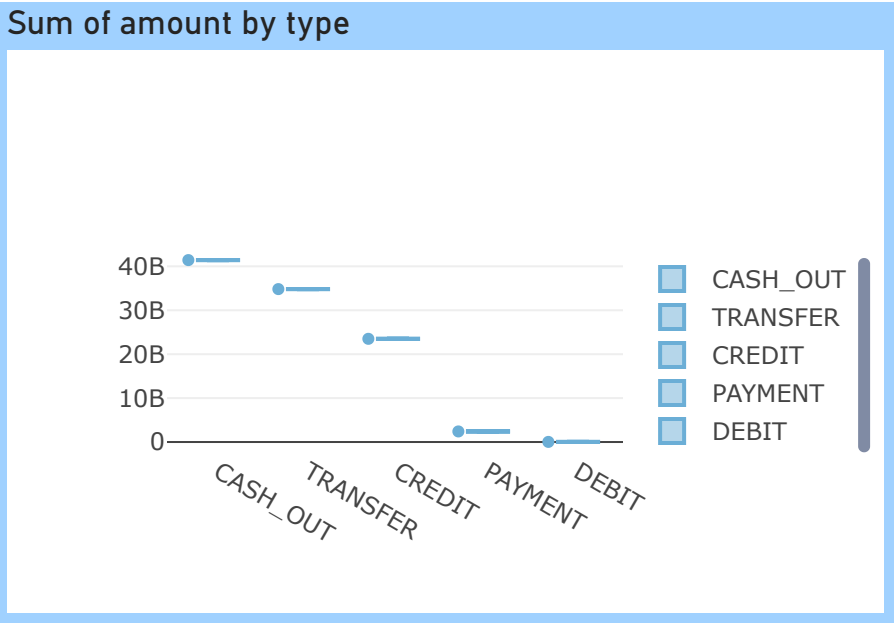
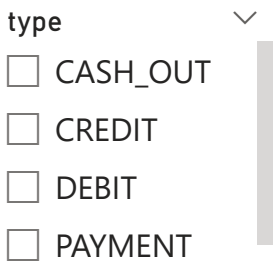
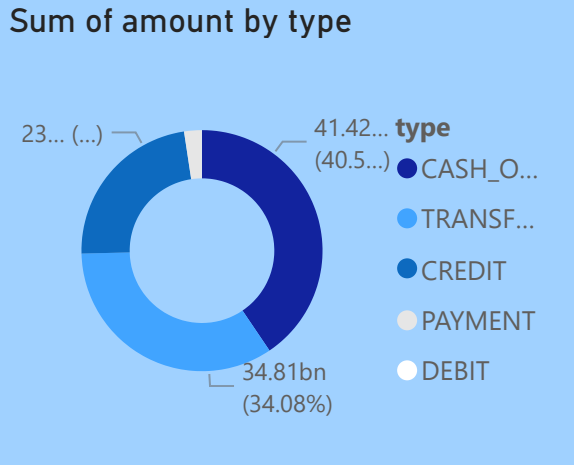
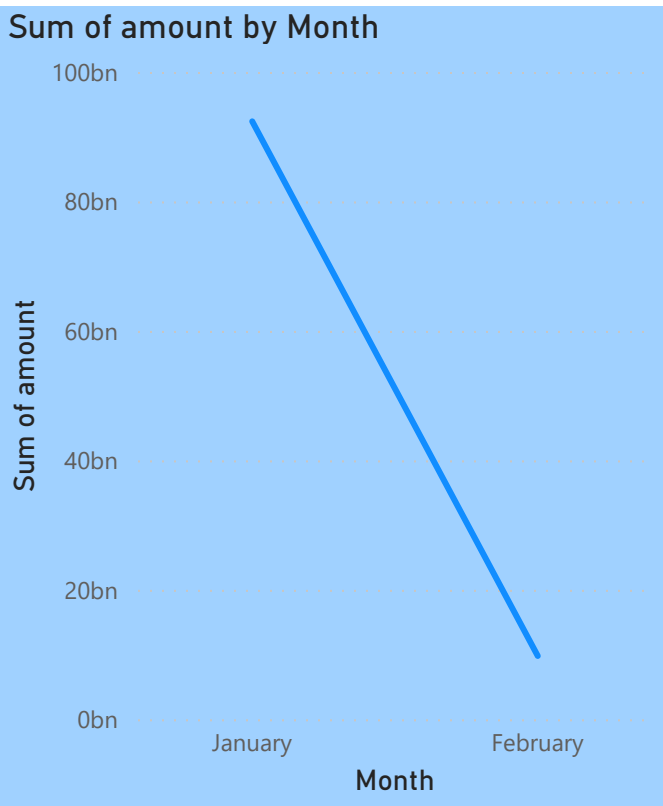
Main Menu

Click on Main menu to see the options

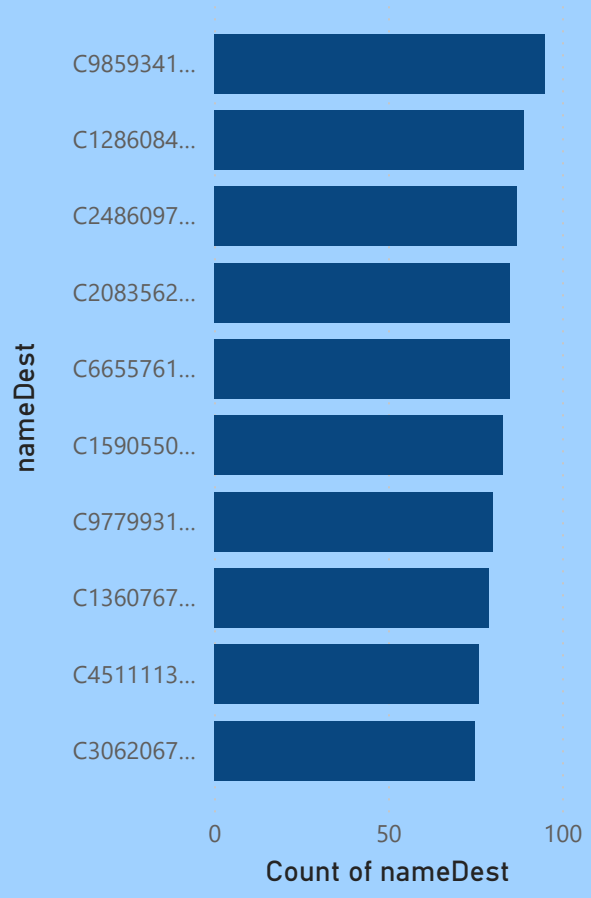
Sum of amount by type

Sum of amount by type



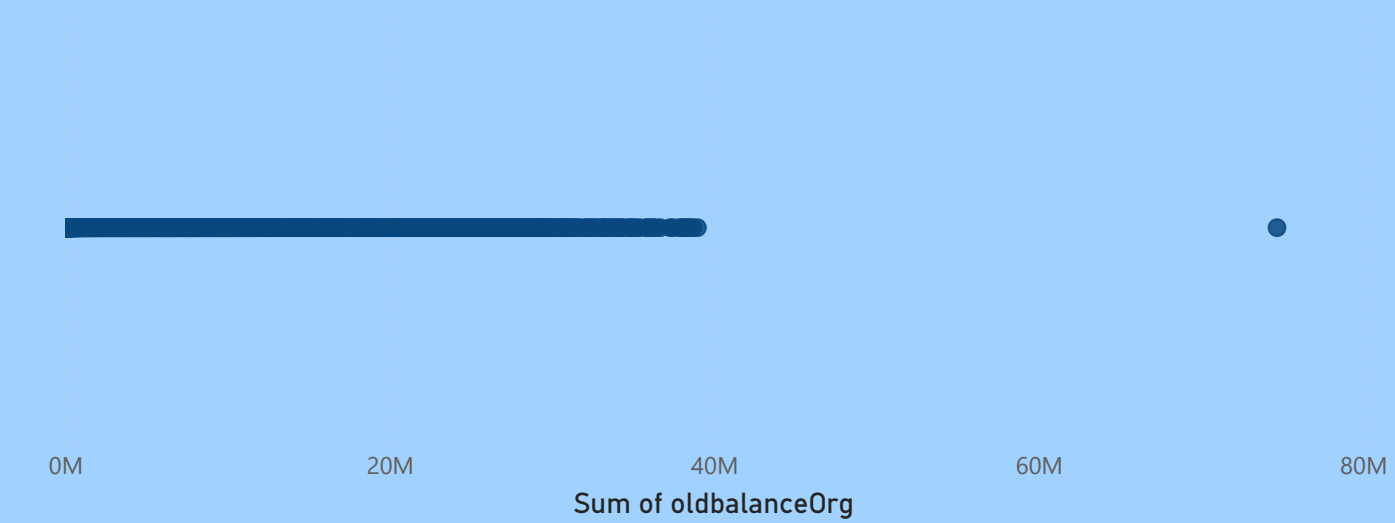


### Question 3

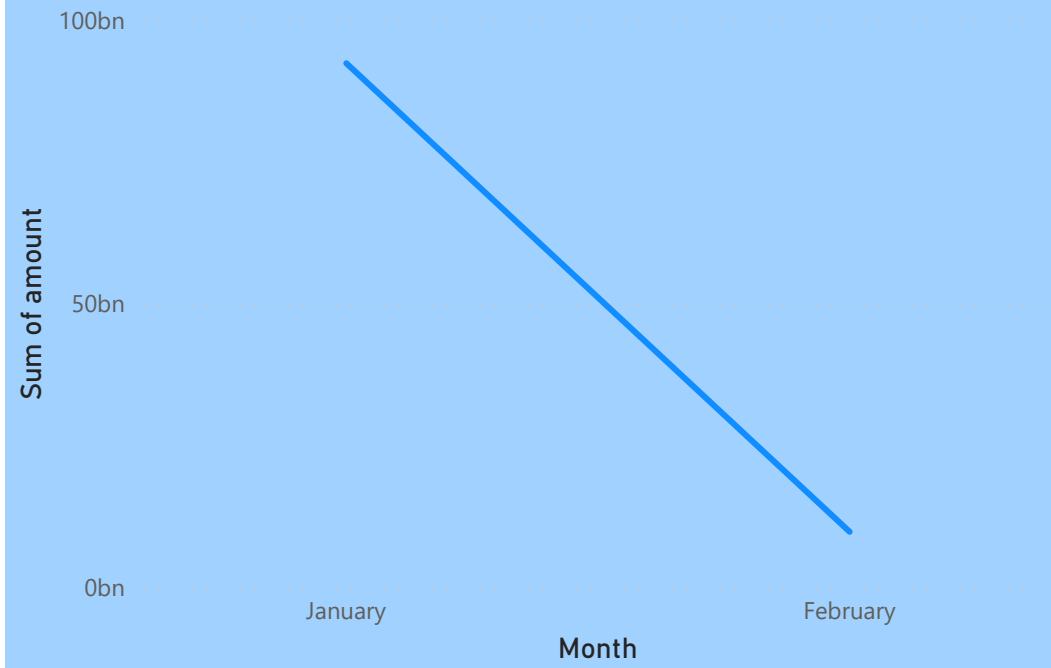




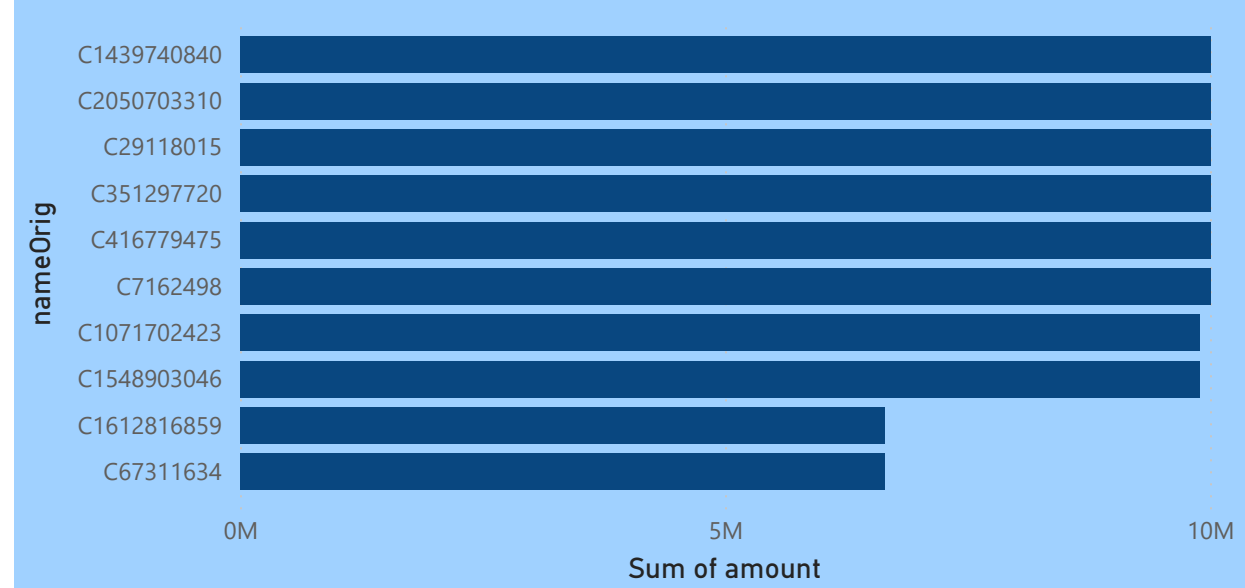
Question 4



Sum of amount by Month



Sum of amount by nameOrig





# Insights

## DONUT

CASH\_OUT accounted for 40.54% of Sum of amount.

## BAR

Total Sum of amount was higher for 0 (1,01,82,78,43,615.30) than 1 (33,76,48,281.32).

CASH\_OUT in isFraud 0 made up 40.37% of Sum of amount.

Average Sum of amount was higher for 0 (20,36,55,68,723.06) than 1 (16,88,24,140.66).

Sum of amount for 0 and 1 diverged the most when the type was CASH\_OUT, when 0 were 41,07,88,75,721.19 higher than 1.

## LINE

Total Sum of amount was higher for January (92,37,63,64,183.09) than February (9,78,91,27,713.53).

High Amount in Month January made up 87.47% of Sum of amount.

Average Sum of amount was higher for January (30,79,21,21,394.36) than February (3,26,30,42,571.18).

Sum of amount for January and February diverged the most when the Segment was High Amount, when January were 79,84,51,12,769.44 higher than February.

- WE CAN OBSERVE THAT CASH\_IN HAS MORE AMOUNT IN TERMS OF TYPE OF TRANSACTION
- HUGE AMOUNTS ARE TRANSACTED MORE IN JANUARY THAN IN FEBRUARY WHEREAS MEDIUM AMOUNTS ARE TRANSACTED MORE IN FEBRUARY THAN IN JANUARY
- THERE ARE NO FRAUDS FOR TRANSACTIONS IN CASH\_IN
- SUM OF TRANSACTION AMOUNT GRADUALLY DECREASED FROM JANUARY TO FEBRUARY
- SUM OF AMOUNT IS HIGHLY CORRELATED WITH HUGE TRANSACTION AMOUNTS
- C985934102 HAS DONE HIGHEST NO:OF TRANSACTIONS

Sum of amount for January (92,37,63,64,183.09) was higher than February (9,78,91,27,713.53).

January accounted for 90.42% of Sum of amount.

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