

- ❖ What is the average transaction amount for normal transactions versus fraudulent transactions?

Average Normal Transaction Amount =

```
CALCULATE(AVERAGE(Fraud[amount]),FILTER(Fraud,Fraud[isFraud]=0))
```

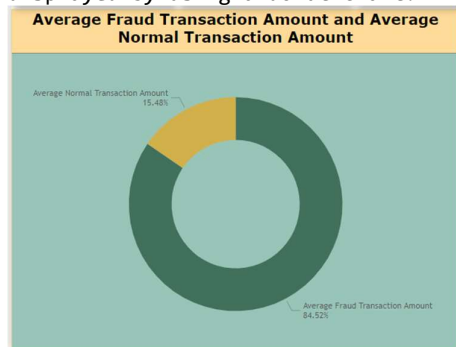
// This function gives the average amount for the normal transactions.

Average Fraud Transaction Amount =

```
CALCULATE(AVERAGE(Fraud[amount]),FILTER(Fraud,Fraud[isFraud]=1))
```

// This function gives the average amount for the normal transactions.

The average normal transaction amount versus average fraud transaction is displayed by using a donut chart.



- ❖ How many credit card transactions were recorded in the dataset? And How many fraudulent credit card transactions were recorded in the dataset?

credit card payments = `count(Fraud[amount])`

// This function gives the count of total credit card payments.



fraud credit card payments =

```
CALCULATE(count(Fraud[amount]),FILTER(Fraud,Fraud[isFraud]=1))
```

//This function gives the count of total fraud credit card payments.



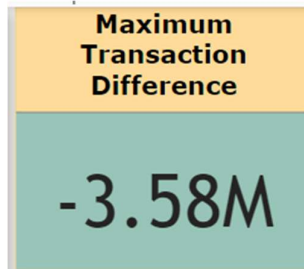
- ❖ What is the highest Fraud transaction amount recorded?

```
highest fraud transaction =  
CALCULATE(max(Fraud[amount]),filter(Fraud,Fraud[isFraud]=1))  
// This function gives the highest fraud transaction amount.
```



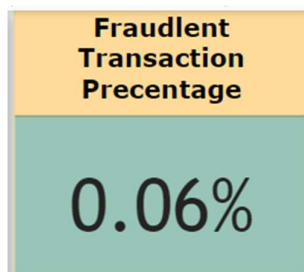
- ❖ Is there a significant difference in the maximum transaction amount for normal transactions compared to fraudulent transactions?

```
maximum transaction difference = [highest normal transaction]-[highest fraud transaction]  
// This function gives the difference between the highest normal transaction amount and the highest fraud transaction amount.
```



- ❖ What is the percentage of fraudulent transactions in the dataset?

```
fraudulent transaction percentage = CONCATENATE(round(DIVIDE(Fraud[fraud credit card payments],[credit card payments])*100,2),"%")  
// This function gives the percentage of the fraudulent transactions.
```



- ❖ What is the distribution of transaction amounts? (using Clustered column chart)

This chart is a column chart between type of payment and amount. This chart suggests that the cash-out had the highest total payment amount, i.e., 41.415 billion and the debit had the lowest total payment amount, i.e., 29,18 million.

