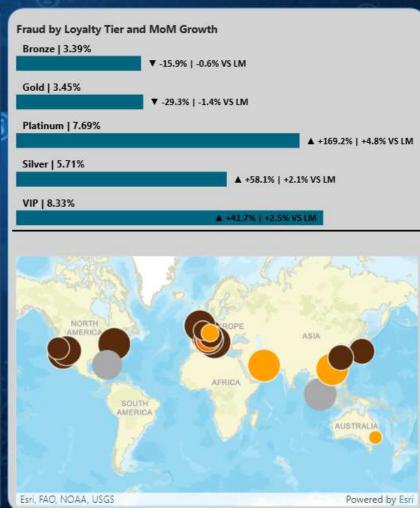
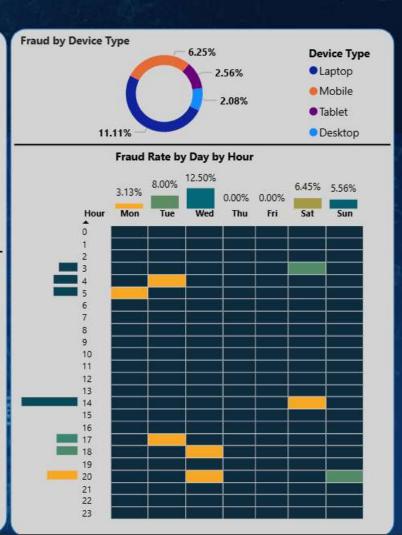
Fraud Analysis | Report



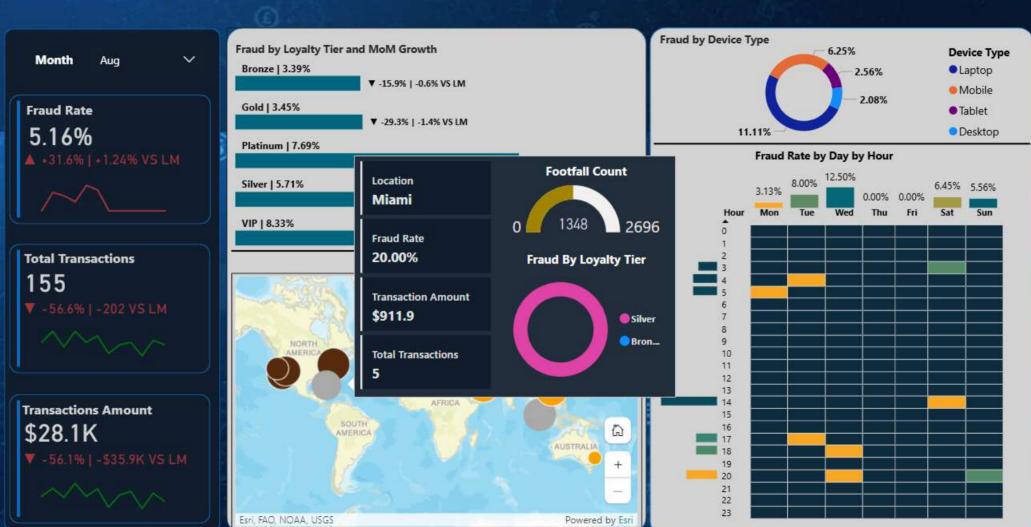








Fraud Analysis | Report



Fraud Report Analysis Dashboard | DAX Functions

Fraud Rate

```
Fraud Rate = (SUM(Data[Fraud_Flag])/COUNT(Data[Customer_ID]))
Fraud Rate = (SUM(Data[Fraud_Flag])/COUNT(Data[Customer_ID]))
```

Current Month To Date (CMTD) Fraud Rate:

```
CMTD Fraud = VAR selected_month = SELECTEDVALUE('Date'[Month Name])

RETURN

TOTALMTD(CALCULATE([Fraud Rate],'Date'[Month

Name]=selected_month),'Date'[Date])

CMTD Fraud = VAR selected_month = SELECTEDVALUE('Date'[Month Name])

RETURN

TOTALMTD(CALCULATE([Fraud Rate],'Date'[Month Name])

Name]=selected_month),'Date'[Date])
```

• Past Month To Date (PMTD) Fraud Rate:

```
PMTD Fraud = CALCULATE([CMTD Fraud],DATEADD('Date'[Date],-1,MONTH))

PMTD Fraud% = CALCULATE([CMTD Fraud],DATEADD('Date'[Date],-1,MONTH))
```

Month on Month (MoM) Fraud Rate:

```
MOM Fraud = ([CMTD Fraud]-[PMTD Fraud%])/[PMTD Fraud%]

MOM Fraud% = ([CMTD Fraud]-[PMTD Fraud%])/[PMTD Fraud%]
```

• Total Transactions:

```
Total Transactions = COUNT(Data[Transaction_ID])

Total Transactions = COUNT(Data[Transaction_ID])
```

Current Month To Date (CMTD) Total Transactions:

```
CMTD Transactions = VAR selected_month = SELECTEDVALUE('Date'[Month Name])

RETURN

TOTALMTD(CALCULATE([Total Transactions],'Date'[Month

Name]=selected_month),'Date'[Date])

CMTD Transactions = VAR selected_month = SELECTEDVALUE('Date'[Month Name])
```

```
RETURN

TOTALMTD(CALCULATE([Total Transactions],'Date'[Month
Name]=selected_month),'Date'[Date])
```

• Past Month To Date (PMTD) Total Transactions:

```
PMTD Transaction = CALCULATE([CMTD Transactions],DATEADD('Date'[Date],-1,MONTH))
PMTD Transaction = CALCULATE([CMTD
Transactions],DATEADD('Date'[Date],-1,MONTH))
```

Month on Month (MoM) Total Transactions:

```
MOM Transactions = ([CMTD Transactions]-[PMTD Transaction])/[PMTD Transaction]

MOM Transactions = ([CMTD Transactions]-[PMTD Transaction])/[PMTD

Transaction]
```

• Total Transactions Amount:

```
Transaction Amount = SUM(Data[Purchase_Amount])
Transaction Amount = SUM(Data[Purchase_Amount])
```

Current Month To Date (CMTD) Total Transactions Amount:

Past Month To Date (PMTD) Total Transactions Amount:

```
PMTD Amount = CALCULATE([CMTD Amount], DATEADD('Date'[Date], -1, MONTH))
PMTD Amount = CALCULATE([CMTD Amount], DATEADD('Date'[Date], -1, MONTH))
```

Month on Month (MoM) Total Transactions Amount:

```
MOM Amount = ([CMTD Amount]-[PMTD Amount])/[PMTD Amount]
```

KPI Card Label for Transaction Amount:

```
VAR month_diff = [CMTD Amount] - [PMTD Amount]

VAR MOM = ([CMTD Amount] - [PMTD Amount])/[PMTD Amount]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0," ▲ "," ▼ ")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign & FORMAT(month_diff/1000,"$0.0K") & " VS LM"
```

```
Label Amount MOM =

VAR month_diff = [CMTD Amount] - [PMTD Amount]

VAR MOM = ([CMTD Amount] - [PMTD Amount]) / [PMTD Amount]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0,"▲","▼")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign &
FORMAT(month_diff/1000,"$0.0K") & " VS LM"
```

• KPI Card Label for Fraud Rate:

```
VAR month_diff = [CMTD Fraud] - [PMTD Fraud%]

VAR MOM = ([CMTD Fraud] - [PMTD Fraud%])/[PMTD Fraud%]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0," ▲ "," ▼ ")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign &FORMAT(month_diff,"0.00%") & " VS LM"
```

```
Label Fraud MOM =

VAR month_diff = [CMTD Fraud] - [PMTD Fraud%]

VAR MOM = ([CMTD Fraud] -[PMTD Fraud%])/[PMTD Fraud%]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0,"A","▼")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign &FORMAT(
month_diff,"0.00%") & " VS LM"
```

• KPI Card Label for Total Transaction:

```
VAR month_diff = [CMTD Transactions] - [PMTD Transaction]

VAR MOM = ([CMTD Transactions] - [PMTD Transaction])/[PMTD Transaction]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0," ▲ "," ▼ ")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign & month_diff & " VS

LM"
```

```
Label Transaction MOM =

VAR month_diff = [CMTD Transactions] - [PMTD Transaction]

VAR MOM = ([CMTD Transactions] - [PMTD Transaction])/[PMTD Transaction]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0,"A","▼")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"#0.0%") & " | " & _sign & month_diff & " VS LM"
```

• Label For Loyalty Tier:

```
Label For Loyalty tier = SELECTEDVALUE(Data[Customer_Loyalty_Tier]) & " | " & FORMAT([Fraud Rate],"0.00%")

Label For Loyalty Tier = SELECTEDVALUE(Data[Customer_Loyalty_Tier]) & " | " & FORMAT([Fraud Rate],"0.00%")
```

• MOM Growth & diff in Fraud Rate:

WOM Growth & diff in Fraud Rate=

VAR month_diff = [CMTD Fraud] - [PMTD Fraud%]

VAR MOM = ([CMTD Fraud] - [PMTD Fraud%])/[PMTD Fraud%]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0," ▲ "," ▼")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"0.0%") & " | " & _sign &FORMAT(month_diff,"0.0%") & " VS LM"

```
WOM Growth & diff sales =

VAR month_diff = [CMTD Fraud] - [PMTD Fraud%]

VAR MOM = ([CMTD Fraud] - [PMTD Fraud%])/[PMTD Fraud%]

VAR _sign = IF(month_diff >0,"+","")

VAR _signtrend = IF(month_diff >0,"▲","▼")

RETURN

_signtrend & " " & _sign & FORMAT(MOM,"0.0%") & " | " & _sign &FORMAT(
month_diff,"0.0%") & " VS LM"
```