



Credit Card Fraud Detection



284K

Total Transactions

25.12M

Total Amount

480

Fraud Transactions

59.17K

Fraud Amount

0.03

Fraud Rate
Difference

Day

1

2

Fraud Flag

Select all

Fraud

Legit

Time of Day Band

Select all

Afternoon

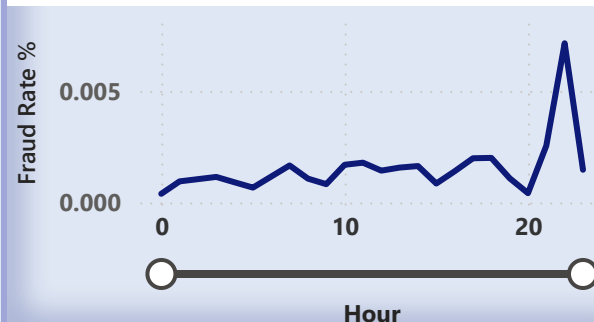
Morning

Night

Fraud Transactions by Day



Fraud Rate % by Hour



Avg Fraud Vs Avg Transaction Amount's



High Risk Transaction Summary

1

High Amount Fraud Tx...

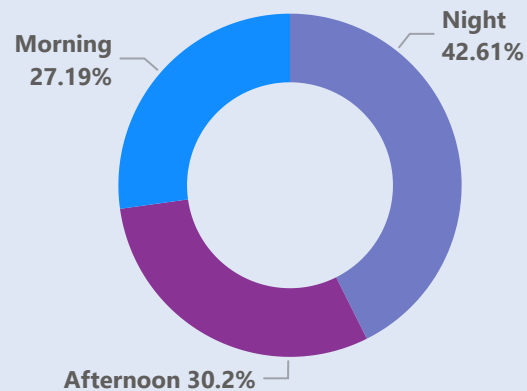
Very high

Fraud Rate - High...

23

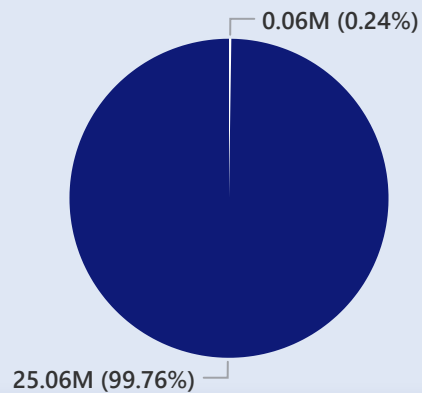
Peak Fraud Hour

Fraud Rate % by Time of Day Band

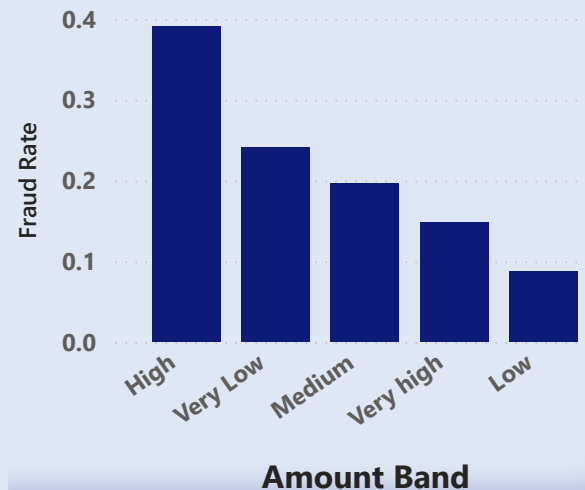


Fraud Vs Legit Amount

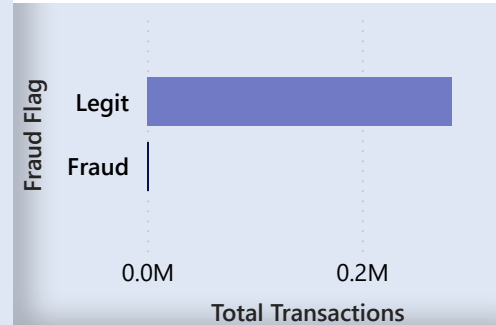
● Fraud Amount ● Legit Amount



Fraud Rate by Amount Band



Total Transactions by Fraud Flag





High Amount Tx Count

High Amount Fraud Tx Count

Fraud Amount in High-Risk Band

Fraud Rate % High risk

Transaction ID	Sum of Hour	Sum of Amount	Sum of Anamoly Score	First Fraud Flag
275895	22	€ 1.00	52.49	Fraud
275574	22	€ 1.00	51.68	Fraud
275156	22	€ 1.00	50.16	Fraud
274939	22	€ 1.00	49.93	Fraud
242335	18	€ 0.76	53.46	Fraud
241802	18	€ 3.79	53.99	Fraud
241746	18	€ 340.11	51.89	Fraud
241726	18	€ 88.23	52.28	Fraud
241686	18	€ 5.30	51.58	Fraud
241669	18	€ 83.38	50.76	Fraud
241581	18	€ 88.23	49.52	Fraud
133903	22	€ 1.00	54.74	Fraud
133859	22	€ 75.86	55.32	Fraud
133858	22	€ 8.54	54.34	Fraud
133849	22	€ 0.01	53.62	Fraud
Total	412	€ 1,630.78	1,036.67	Fraud

All

All

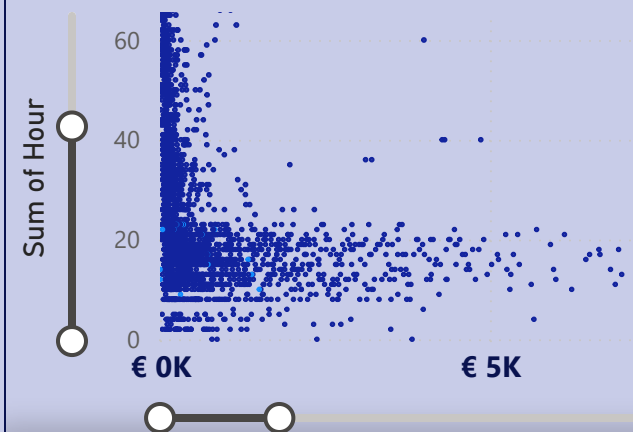
Select all

Afternoon

Morning

Night

Fraud Flag ● Fraud ● Legit



The chart displays the distribution of transactions across different anomaly scores. The y-axis represents the total number of transactions, ranging from 0 to 80. The x-axis represents the anomaly score, ranging from 0 to 7. A slider at the bottom indicates the range of scores being analyzed, currently set from 0 to 1.5. The highest transaction counts are observed at anomaly scores 1.0 (77), 1.2 (62), 1.3 (53), 1.4 (52), 1.5 (61), and 1.6 (46).

column	Featured Mean Diff
V14	~6.0
V3	~6.0
V17	~6.0
V12	~5.5
V1	~4.5
V2	~3.5

Risk Level	Value	Percentage
high	0.81	33.34%
Medium	0.78	31.97%
Very high	0.85	...
low	0.00	0.03%



Fraud Rate

0.02
0.00 0.17 0.34

59.17K

Fraud Amount

284K

Risk Band Count

46.65

Avg Anomaly Score
High Risk

71

Suspicious Transactions

Suspicious Transaction Table

Transaction_ID	Amount	Fraud Flag	Risk Band	Anamoly Score
133859	€ 75.86	Fraud	Very high	55.32
133903	€ 1.00	Fraud	Very high	54.74
133858	€ 8.54	Fraud	Very high	54.34
241802	€ 3.79	Fraud	Very high	53.99
133849	€ 0.01	Fraud	Very high	53.62
242335	€ 0.76	Fraud	Very high	53.46
275895	€ 1.00	Fraud	Very high	52.49
241726	€ 88.23	Fraud	Very high	52.28
241746	€ 340.11	Fraud	Very high	51.89
275574	€ 1.00	Fraud	Very high	51.69
Total	€ 520.30	Fraud	Very high	533.81

Select all

Afternoon

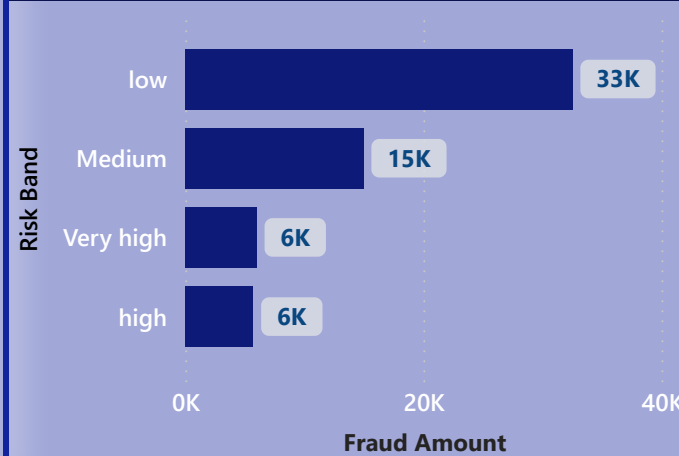
Morning

Night

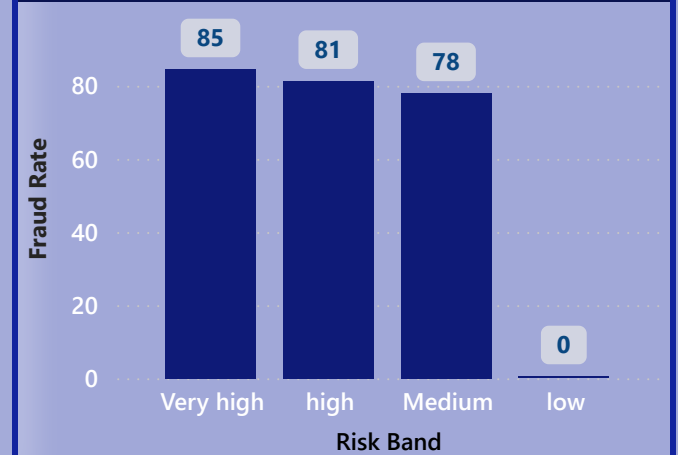
Hour

All

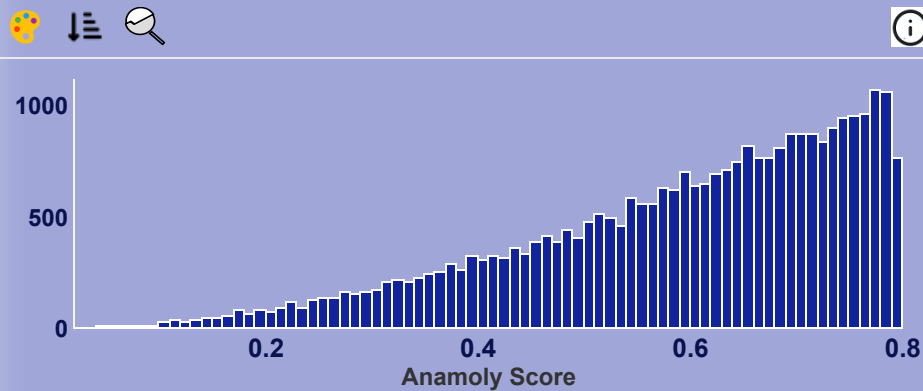
Fraud Amount by Risk Band



Fraud Rate by Risk Band



Anomaly Score Distribution (histogram)



Anamoly Score by Time of Day Band and Amount

Fraud Flag ● Fraud ● Legit

