

# OVERVIEW DASHBOARD

TOTAL TRANSACTION

100K

TOTAL FRAUD CASE

1K

FRAUD PERCENTAGE

1.00%

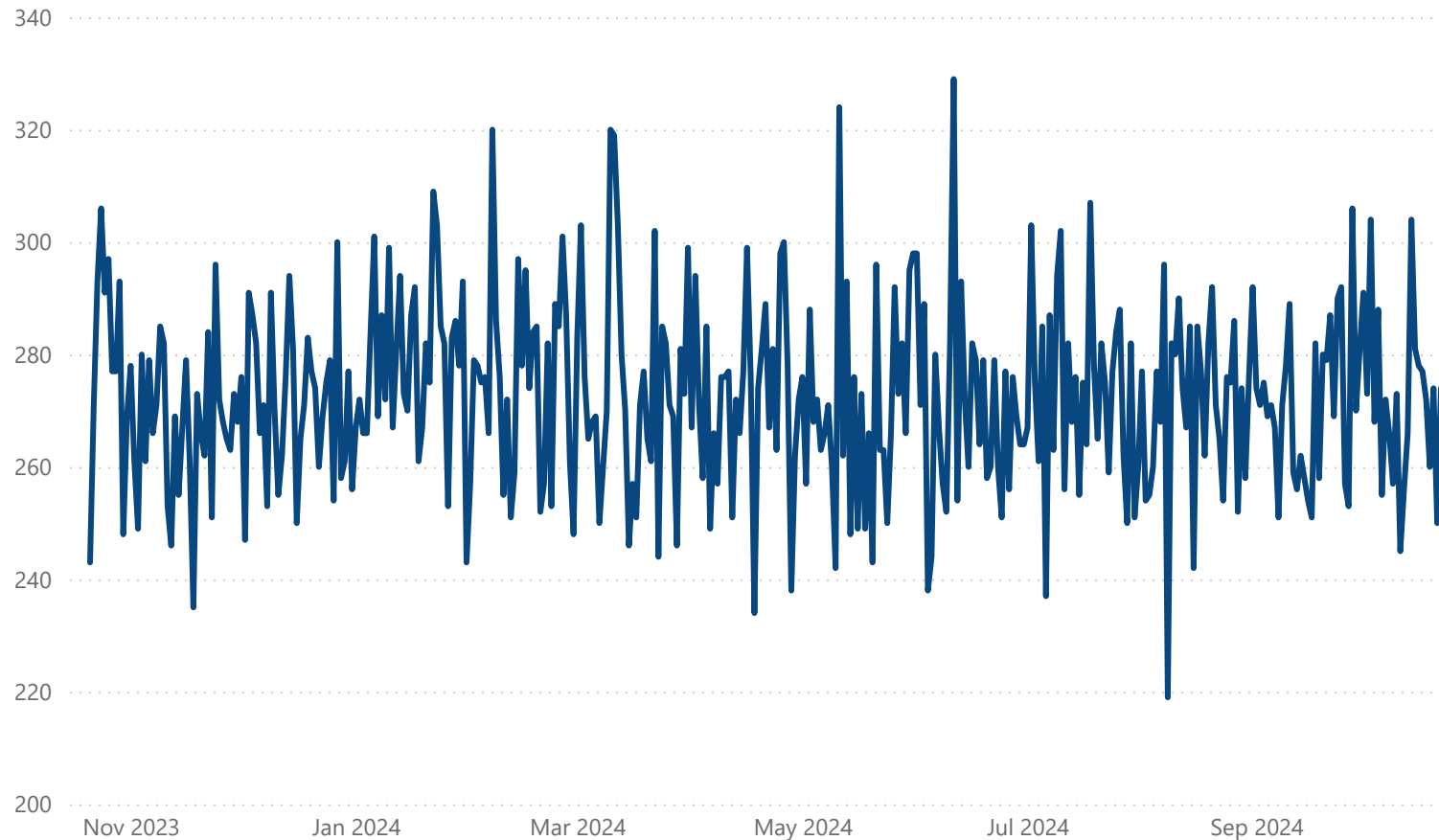
21-10-2023



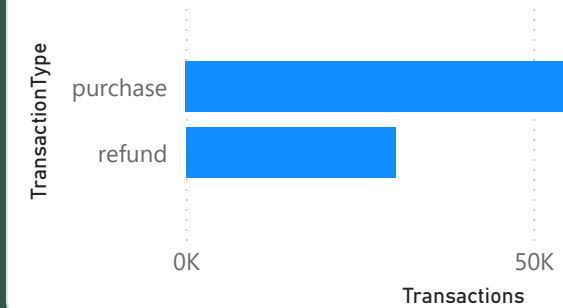
21-10-2024



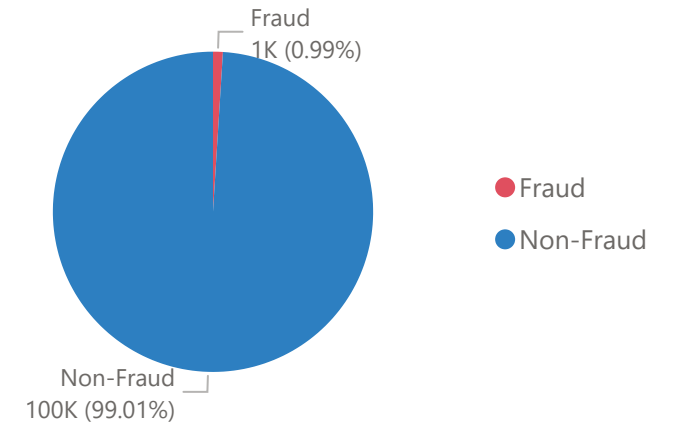
No. of Transactions by TransactionDate



Transactions by TransactionType

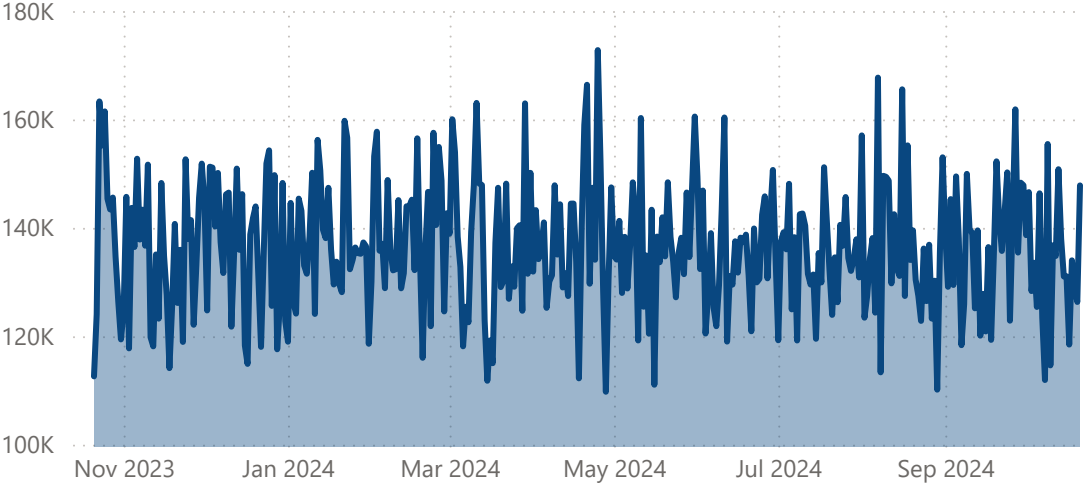


Fraud and Non-Fraud



# TRANSACTION TRENDS

TOTAL TRANSACTION AMOUNT OVER TIME



TOTAL TRANSACTION

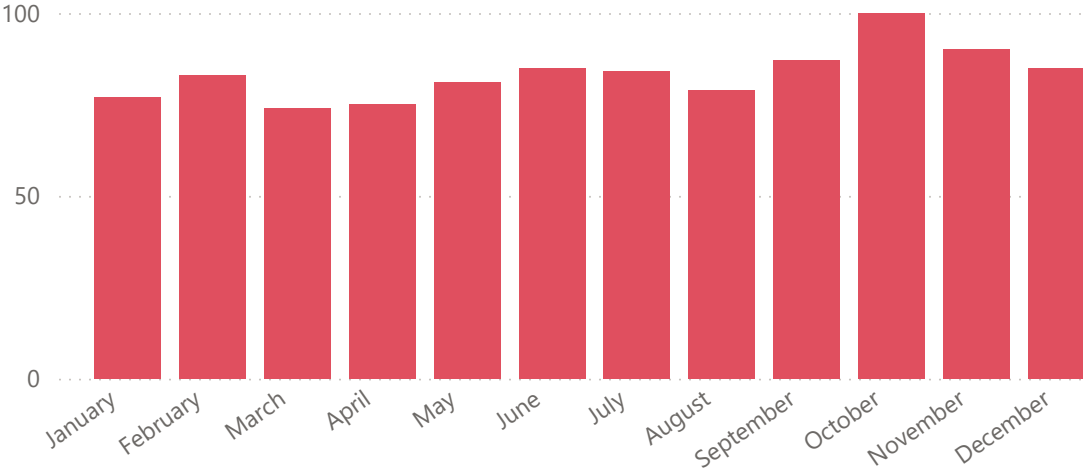
100K

21-10-2023

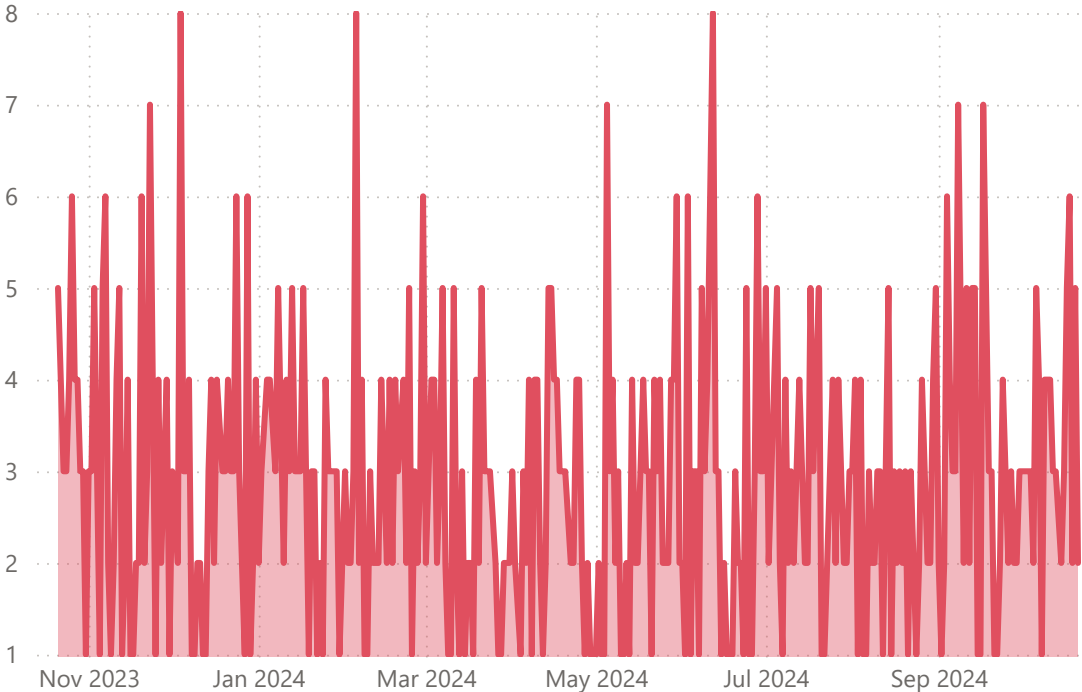
21-10-2024



FRAUD FREQUENCY BY MONTH



Fraud Transactions Over Time



# LOCATION ANALYSIS

21-10-2023



21-10-2024



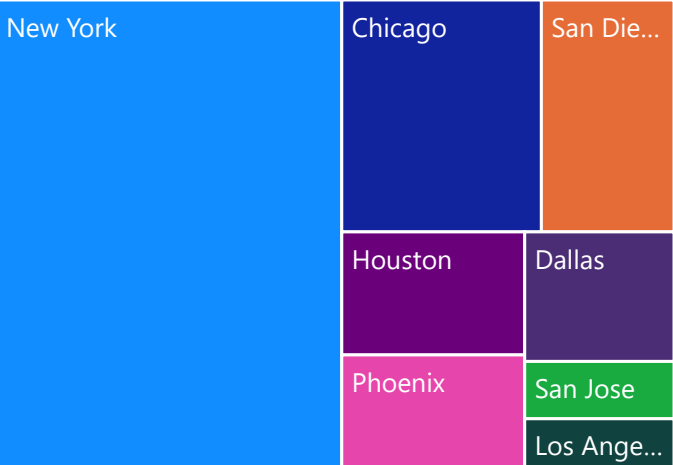
Highest Transaction Volume

Chicago

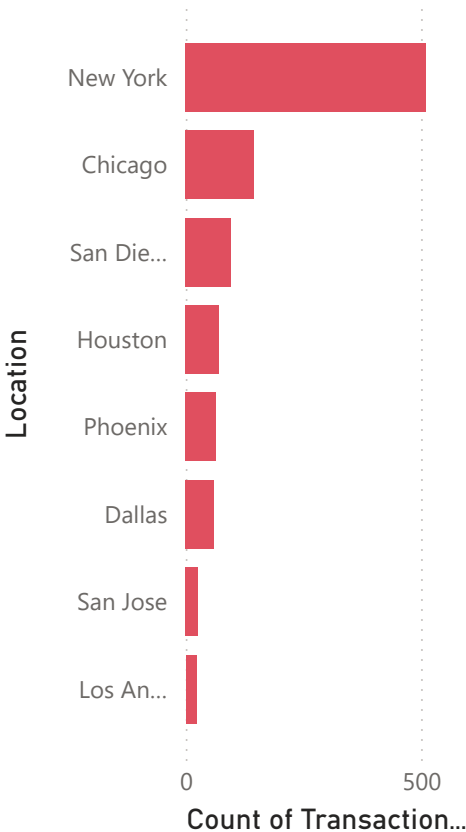
City with Highest Fraud

New York

Fraud Concentration

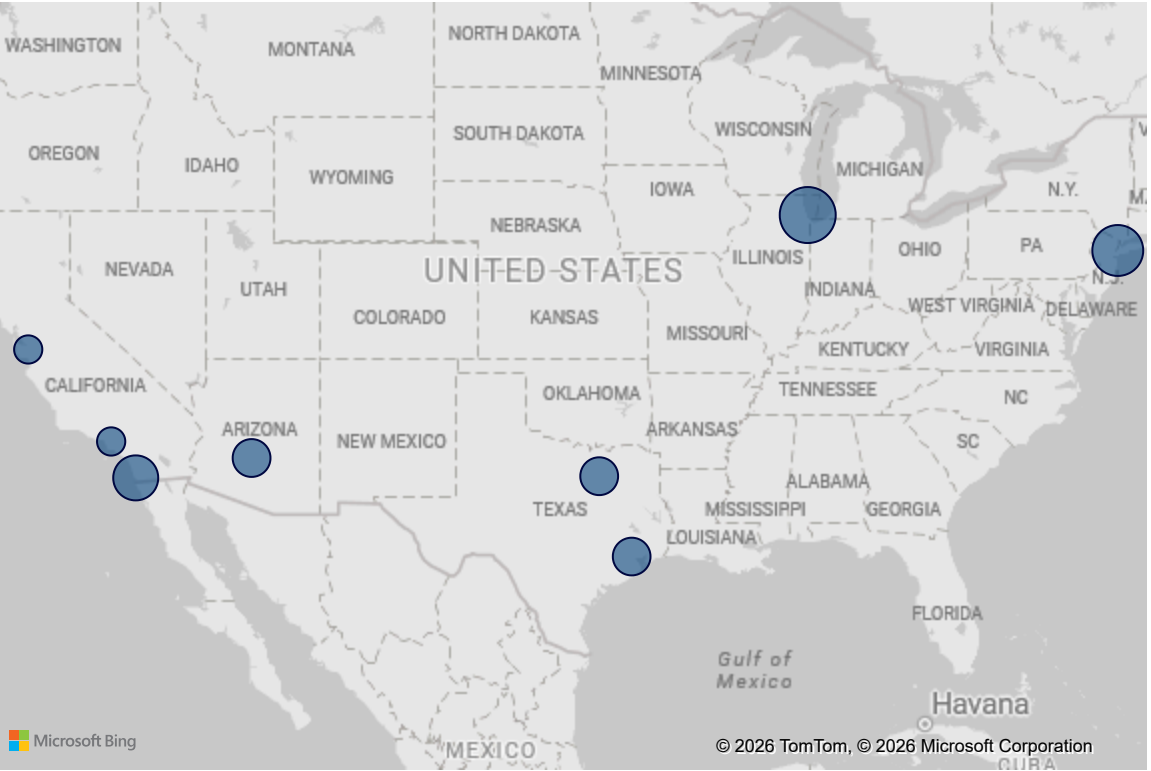


FRAUD-PRONE LOCATIONS

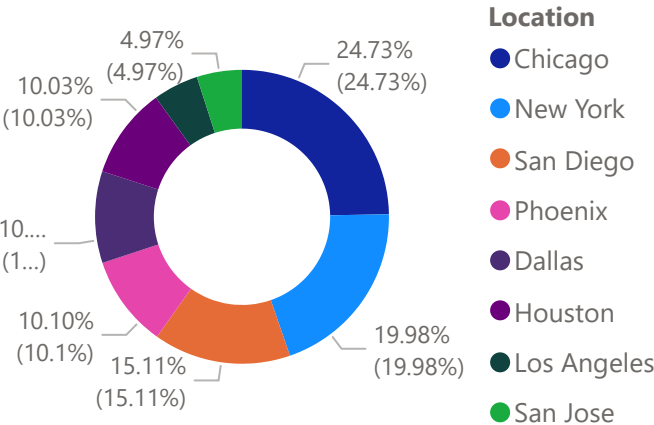


⚠ This visual type is being retired soon. Contact your admin to upgrade.

TRANSACTIONS BY LOCATION

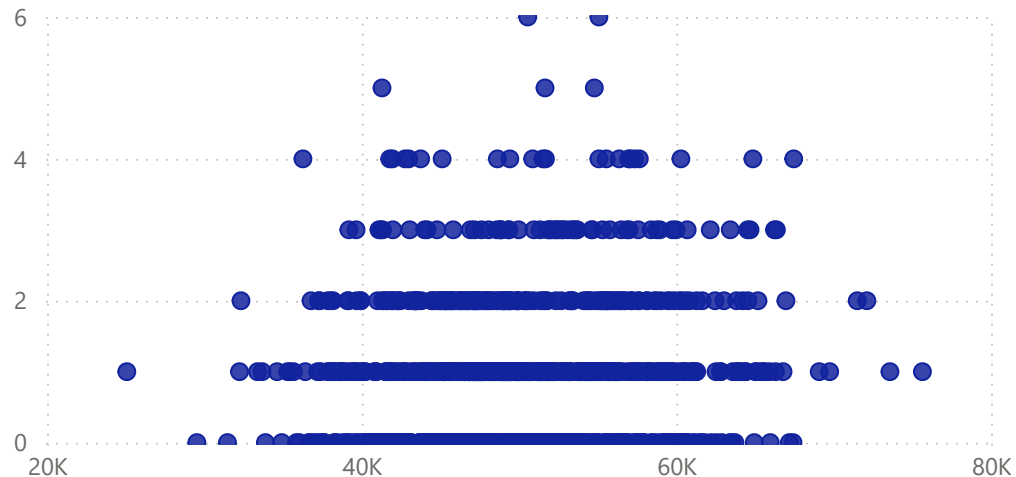


Transaction Share by Location



# MERCHANT ANALYSIS

## Transaction Amount vs Fraud Amount



## Merchant Summary

Fraud %	Total Trans	MerchantID	Fraud Count
0.00%	113	1	0
0.00%	104	2	0
0.00%	99	3	0
0.00%	97	5	0
0.00%	97	9	0
0.00%	94	11	0
0.00%	97	14	0
0.00%	88	18	0
0.00%	92	20	0
0.00%	100	21	0
100.00%	100000		1000

21-10-2023



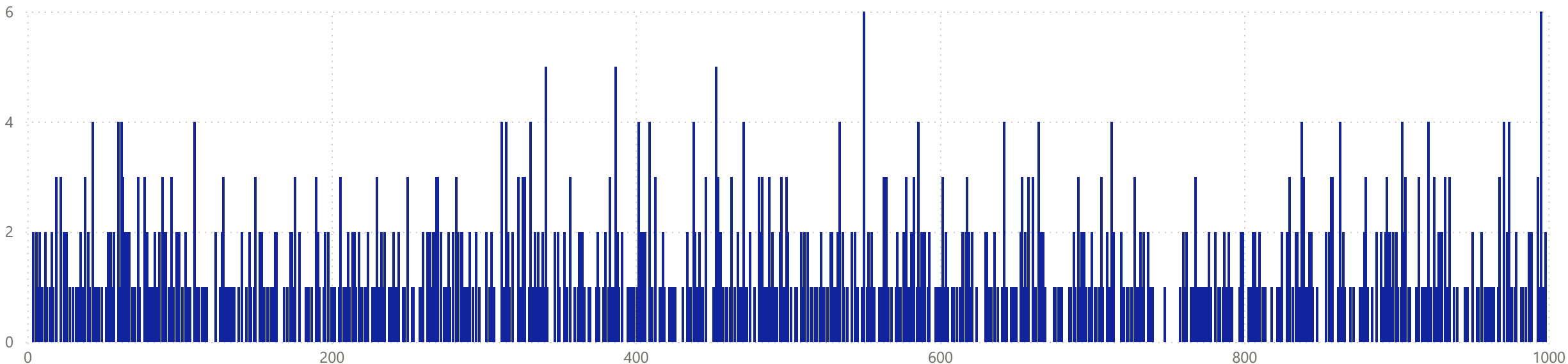
21-10-2024



Total Merchants with Fraud

1K

## Fraud Count per Merchant



# TRANSACTION TYPE ANALYSIS.

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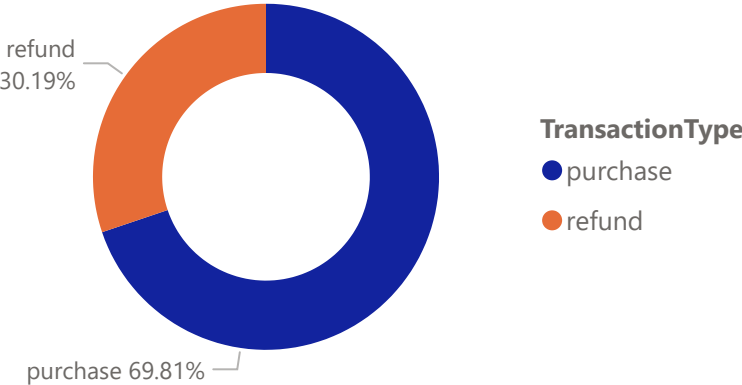


Avg Refund Fraud Value

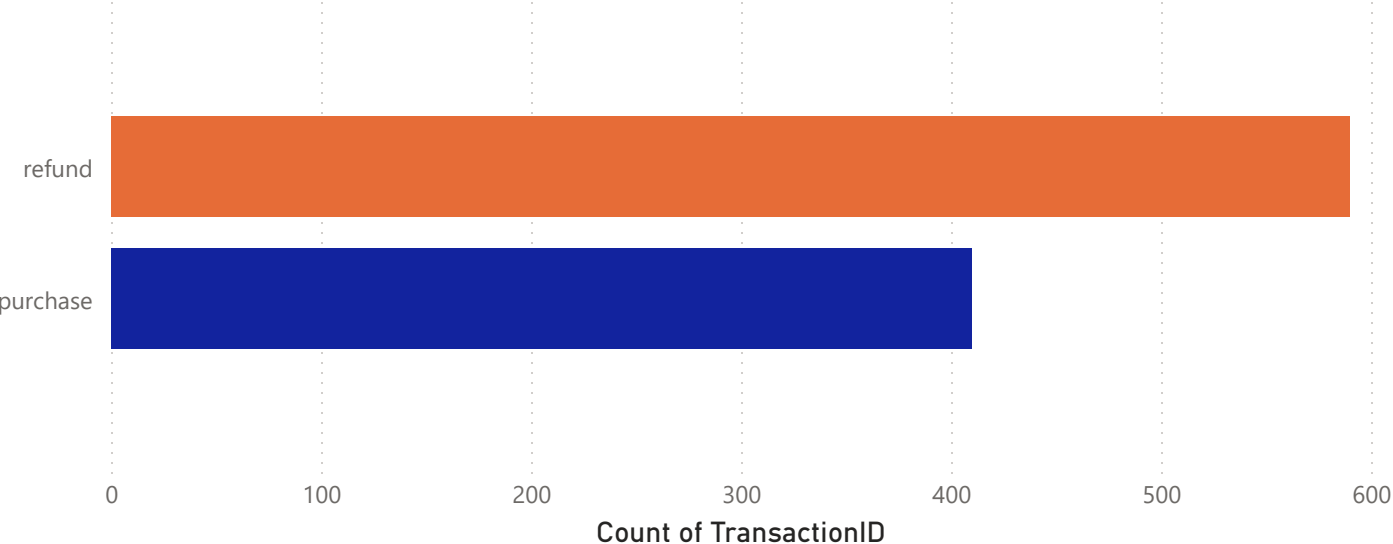
537.12

▲ ● ◆

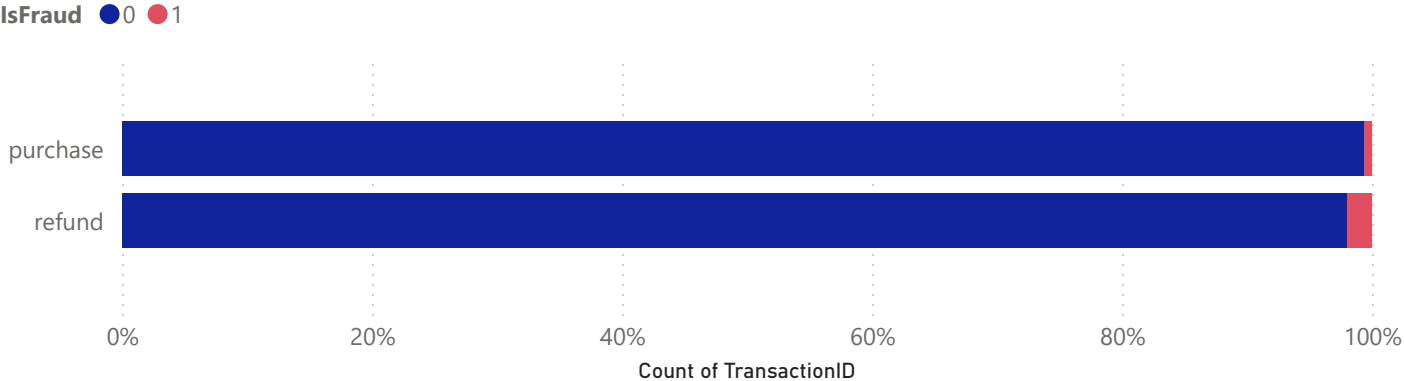
Transaction Volume by Type



Fraud Cases by Type



The Risk Factor

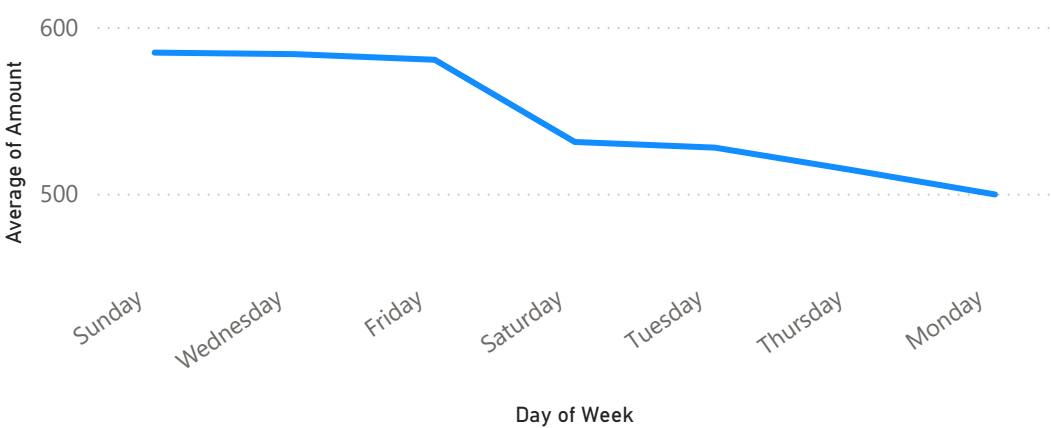


# TEMPORAL PATTERNS

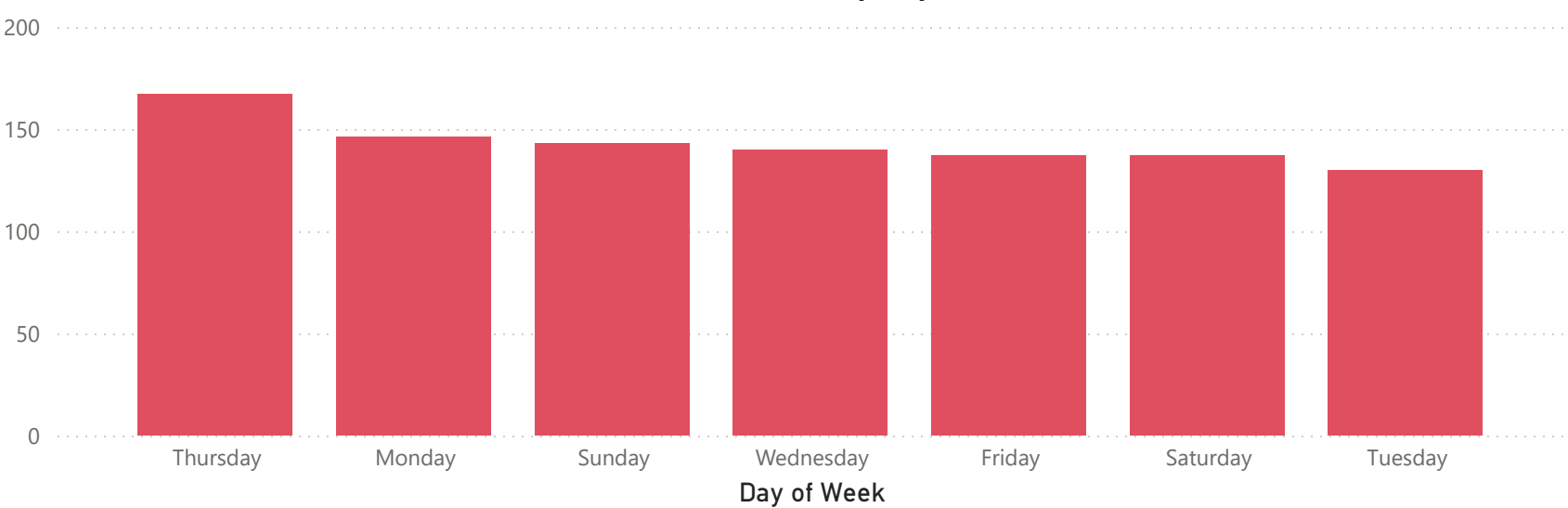
Heatmap: Day vs. Location

Location	Friday	Monday	Saturday	Sunday	Thursday	Tuesday	Wednesday	Total
New York	60	76	72	75	88	67	72	510
Chicago	18	17	22	23	26	19	21	146
San Diego	21	14	14	11	10	12	15	97
Houston	11	8	10	11	11	9	11	71
Phoenix	7	14	6	13	7	9	9	65
Dallas	11	7	10	6	12	6	9	61
San Jose	3	5	2	2	9	5	1	27
Los Angeles	6	5	1	2	4	3	2	23
Total	137	146	137	143	167	130	140	1000

Avg Stolen Amount by Day



Fraud Volume by Day



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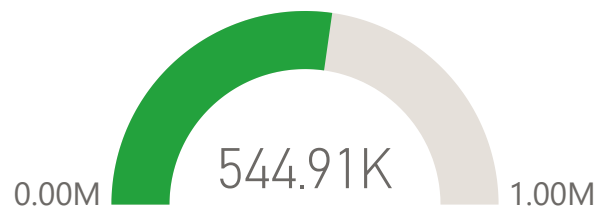
# RISK PROFILE ANALYSIS

21-10-2023

21-10-2024



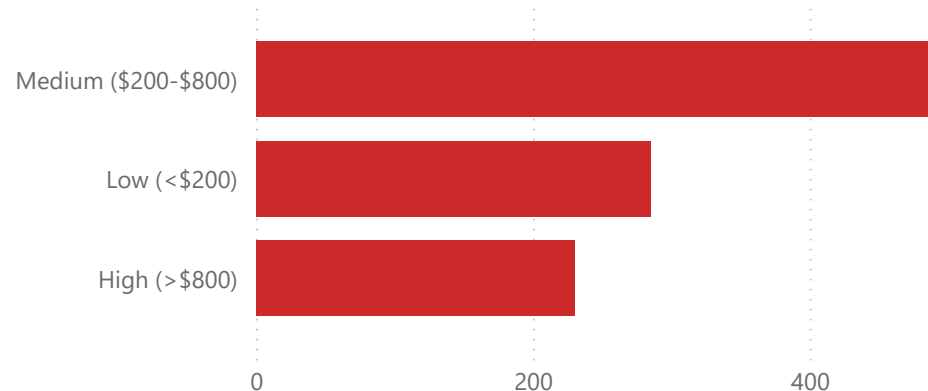
Total Value of Fraudulent Transactions



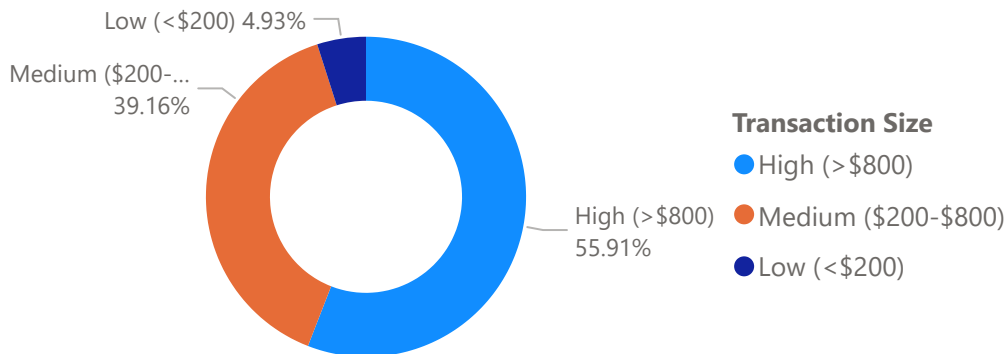
High Value Fraud Alerts (>\$1k)

Sum of Amount	TransactionID	TransactionType	Location
1,377.87	201	refund	New York
1,222.87	249	purchase	Dallas
1,105.03	914	refund	San Diego
1,158.60	1043	refund	New York
1,908.06	2581	refund	New York
1,269.26	3481	refund	New York
1,035.64	4416	purchase	New York
1,749.80	5042	refund	Chicago
1,537.51	6024	purchase	New York
1,191.38	6676	refund	San Diego
1,230.12	6711	refund	New York
1,096.45	6761	refund	New York
1,249.33	8211	refund	New York
2,44,908.63			

Frequency of Fraud by Amount

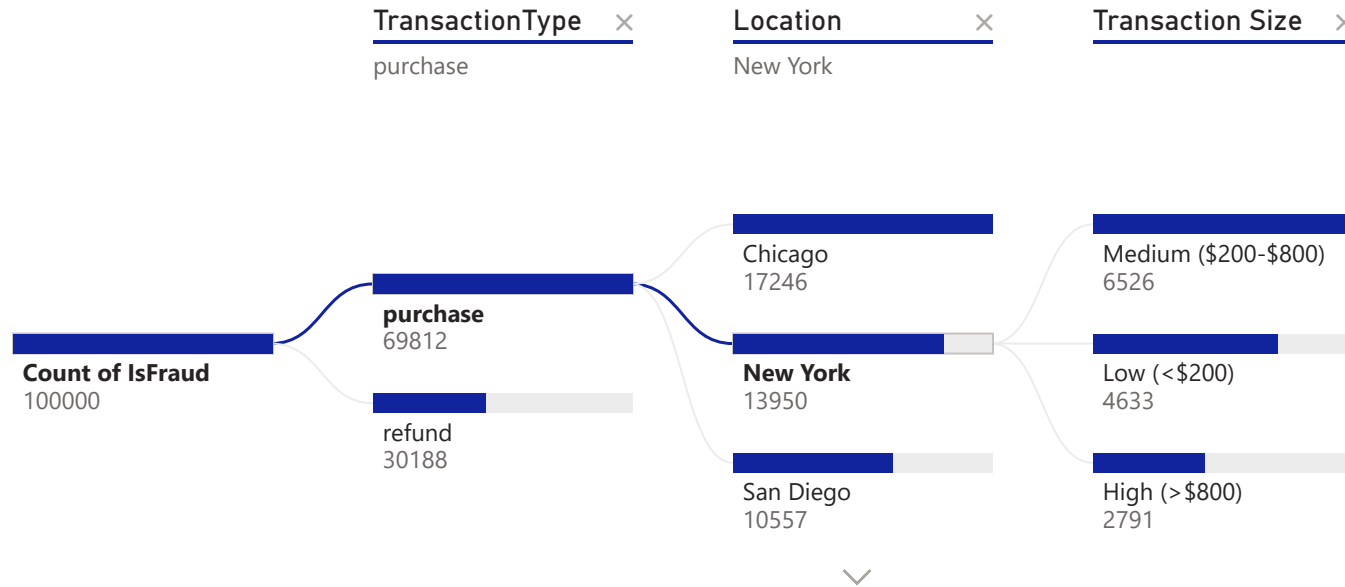


Financial Loss Share by Size



# AI DRIVEN ANOMALY DETECTION

## The Root Cause Analysis



## Key Influencers

Key influencers Top segments



When is IsFraud more likely to be

High ▼ ?

0.07

### Segment 1

Location is New York

TransactionType is refund

In segment 1, the average IsFraud is 0.07. This is 0.06 units higher than the overall average, 0.01.

Segment 1 0.07

Overall 0.01

Segment 1 contains 6,031 data points (6.0% of the data).