

Financial Transaction Fraud Analysis in India

Total Transactions

50K

Total Fraud Cases

15K

Fraud %

30

Total Fraud Amount

₹ 5.00bn



4 Most Resent Fraud Transaction								
Transaction_ID	User_ID	Sum of Amount	Channel	Location	Sum of Flag_Fraud	Date	Merchant_Category	Status
TXN000109	U3482	181,598.36	Card	Pune	1	Saturday, July 26, 2025	Fashion	Success
TXN000714	U7537	26,455.20	Netbanking	Lucknow	1	Saturday, July 26, 2025	Fashion	Success
TXN001645	U1318	14,967.42	Netbanking	New Delhi	1	Saturday, July 26, 2025	Travel	Success
TXN002020	U3714	43,356.12	Atm	Chennai	1	Saturday, July 26, 2025	Fuel	Success
TXN002685	U8672	114,848.96	Netbanking	Bengaluru	1	Saturday, July 26, 2025	Travel	Success

Time-Based Fraud Analysis

Peak Fraud Hour

0

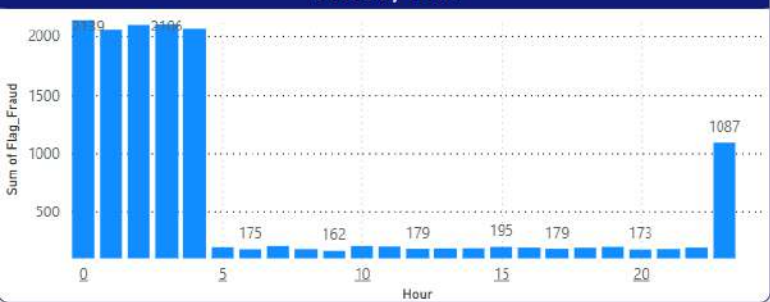
Peak Fraud Day

Tuesday

Average Fraud Amount

107.26K

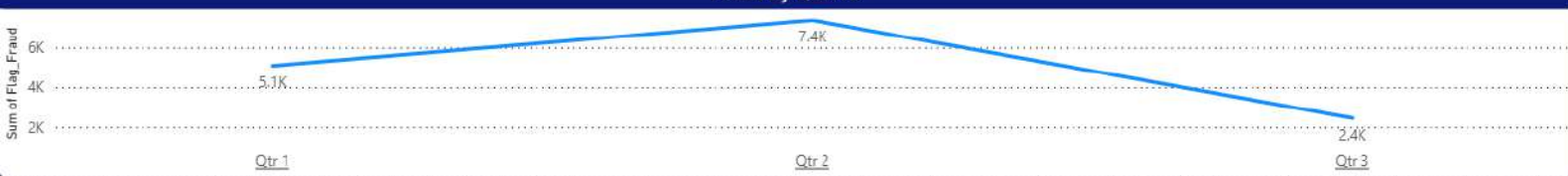
Fraud by Hour



Fraud by Day



Fraud by Quarter



Geo & City-Based Fraud Analysis

Top Fraud City

Pune

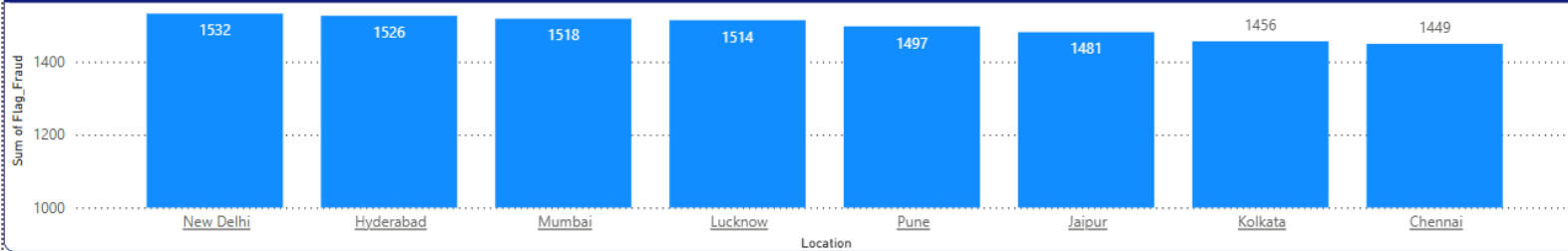
Fraud % fromToop Loc.

0.10

Top Fraud Channel

Netbanking

Top Cities by Fraud Count

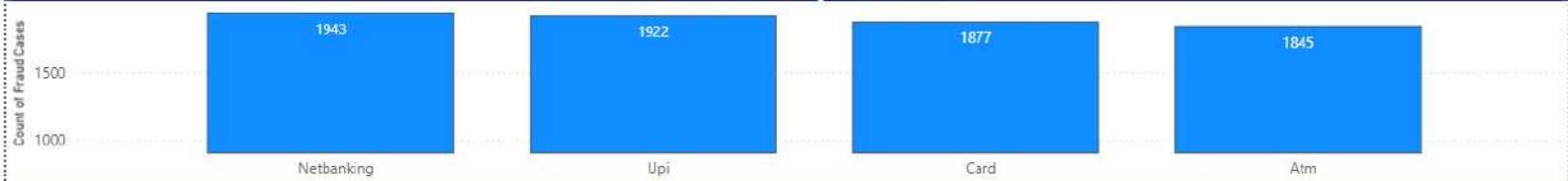


Detailed Fraud Records

Transaction_ID	User_ID	Channel	Sum of Amount	Timestamp	Flag_Fraud	Location
TXN035711	U2425	Atm	199,989.25	7/28/2025 4:20:43 AM	1	Mumbai
TXN035114	U1708	Atm	199,964.90	7/29/2025 6:11:04 PM	1	Pune
TXN045347	U5384	Atm	199,763.26	7/27/2025 7:28:53 AM	1	Kolkata
TXN006332	U7656	Upi	199,411.33	7/29/2025 4:59:01 PM	1	Lucknow
TXN044431	U7131	Card	198,717.70	7/28/2025 1:13:53 PM	1	Hyderabad
TXN031743	U5916	Netbanking	198,441.89	7/25/2025 2:27:05 AM	1	Jaipur
TXN029108	U8057	Card	197,486.58	7/26/2025 8:17:44 PM	1	Chennai

Transaction Channel & Merchant Pattern

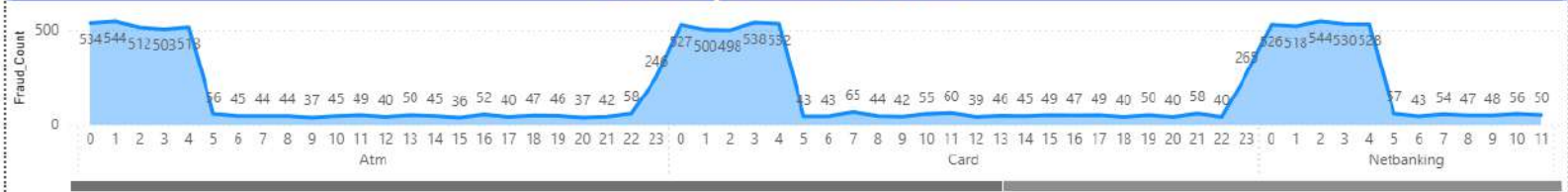
Fraud Cases by Channel



Fraud by Merchant Category



Fraud by Channel vs Hour



Analyst Drill-Down Investigation

Channel

All

Location

All

Merchant_Category

All

Hour

All



User Behavior by Channel					
User_ID	Atm	Card	Netbanking	Upi	Total
U1000		2	2		4
U1001	1	1	2		4
U1002		1	2		3
U1003	1	3	2	1	7
U1004		1	1		2
U1005	1	1		1	3
U1006		2	2		4
U1007	1	3	2	3	9
U1008	4		1	1	6
U1009	2		2	2	6
Total	12436	12524	12603	12437	50000

4 Most Resent Fraud Transaction

Transaction_ID	Amount	Time	Device_ID	User_ID	Location	Channel	Merchant_Category	Flag_Fraud	Date
TXN000472	95,234.45	3	D45440	U9967	Chennai	Netbanking	Travel	1	Wednesday, July 30, 2025
TXN000852	71,547.34	3	D63561	U9113	Kolkata	Atm	Fashion	1	Wednesday, July 30, 2025
TXN001413	154,648.99	4	D79666	U9420	Bengaluru	Card	Food Delivery	1	Wednesday, July 30, 2025
TXN002312	169,623.04	2	D65745	U2947	Ahmedabad	Atm	Travel	1	Wednesday, July 30, 2025
TXN003775	114,027.66	3	D92058	U7917	Ahmedabad	Card	Fashion	1	Wednesday, July 30, 2025