

FRAUD RISK SCORE Composite automated assessment (v2)	60/100	HIGH Anomaly 10pt Severity 20pt Behavioral 30pt
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CASE REFERENCE	CASE-INS-2024-0887
R. Chen, CFE	ANALYST
PREPARED AT	2026-05-28T17:51:58.917337+00:00
ISO/IEC 27037:2012	COMPLIANCE STANDARD

EVIDENCE INTEGRITY

Source File	/private/tmp/fraud_case_martinez.csv
SHA-256 (source)	31a0482410423c8b1a254e484948776a352607319100a007fc706191350c10cf
Records Analysed	72
Records Skipped	0

ANALYSIS PARAMETERS

Method	Haversine Great-Circle Velocity Analysis v2
Velocity Threshold	800 km/h
Elapsed	3.01 ms

ANOMALIES DETECTED - review required	Anomalies: 2
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BEHAVIORAL PATTERN ANALYSIS

Claim Date: 2024-04-15

PERIOD	AVG KM/DAY	RADIUS KM	AVG SPEED	DAYS OBS
Pre-Claim	886.3	3846.7	10255.5 km/h	9
Post-Claim	2.3	2.5	2.2 km/h	10

Mobility Delta: -99.7% DECREASE -- SIGNIFICANT BEHAVIORAL SHIFT DETECTED

DWELL ZONES (30 location(s) identified)

#	ARRIVAL	DEPARTURE	MIN	LAT	LNG
1	2024-04-18T12:22:00	2024-04-21T09:15:00	4133.0	40.72820	-74.07760
2	2024-04-10T19:38:00	2024-04-13T10:00:00	3742.0	40.72820	-74.07760
3	2024-04-05T20:05:00	2024-04-08T07:35:00	3570.0	40.72820	-74.07760
4	2024-04-23T11:25:00	2024-04-25T10:00:00	2795.0	40.72820	-74.07760
5	2024-04-15T13:15:00	2024-04-17T11:30:00	2775.0	40.72820	-74.07760
6	2024-04-21T12:05:00	2024-04-23T08:45:00	2680.0	40.72820	-74.07760

... 24 more zones in JSON output

ANOMALY TABLE

#	FROM	TO	SPEED km/h	DIST km	DUR s	CLASS
1	28	29	117,888.5	3929.6153	120.0	PHYSICAL IMPOSSIBILITY
2	29	30	117,888.5	3929.6153	120.0	PHYSICAL IMPOSSIBILITY