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SecureCheck: Police Post Log Ledger

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SecureCheck: Police Post Log Ledger

WELCOME

SecureCheck: Police Post Log Ledger

Digital Ledger for Police Post Logs

	id	stop_date	stop_time	country_name	driver_gender	driver_age_raw	driver_age	driver_race	violation_raw	violation	search_conducted	search_
0	1	2020-01-01	a few seconds	Canada	M	59	19	Asian	Drunk Driving	Speeding	1	Vehicle
1	2	2020-01-01	a minute	India	M	35	58	Other	Other	Other	0	Vehicle
2	3	2020-01-01	2 minutes	USA	M	26	76	Black	Signal Violation	Speeding	0	Frisk
3	4	2020-01-01	3 minutes	Canada	M	26	76	Black	Speeding	DUI	1	Frisk
4	5	2020-01-01	4 minutes	Canada	M	62	75	Other	Speeding	Other	0	Vehicle
5	6	2020-01-01	5 minutes	Canada	F	44	73	Other	Drunk Driving	Other	1	Vehicle
6	7	2020-01-01	6 minutes	USA	F	80	70	White	Signal Violation	Speeding	0	Vehicle
7	8	2020-01-01	7 minutes	India	M	72	50	Asian	Drunk Driving	Other	0	none
8	9	2020-01-01	8 minutes	USA	F	80	30	Hispanic	Other	Seatbelt	1	Frisk
9	10	2020-01-01	9 minutes	USA	M	43	21	Asian	Signal Violation	Signal	1	none

The table above showcases daily police log records, including incident types, dates, and locations.

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Total Police Stops	Total Arrests	Total Warnings	Drug Related Stops
65538	21734	21966	32769

Stop Outcome Distribution

- Warning
- Ticket
- Arrest

33.5% — 33.3% — 33.2%

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Select your question to run:

Top 10 vehicle number involed in drug related stops ⌄

Run

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Select your question to run:

Top 10 vehicle number involed in drug related stops ⌄

Run

	vehicle_number	drugs_related_stop
0	UP76DY3473	1
1	RJ83PZ4441	1
2	RJ32OM7264	1
3	RJ76TI3807	1
4	DL75KZ7835	1
5	DL50PO5101	1
6	UP67CQ9426	1
7	KA61JB1004	1
8	WB70IV9884	1
9	WB75TF1052	1

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Select your question to run:

Top 10 vehicle number involed in drug related stops ⌄

Time of day with most traffic stops

Average Stop Duration for different Violations

Night Stops More Likely to Lead to Arrests

Violations which most associated with searches or arrests

Most common violations for young drivers < 25

Violation that rarely resulting in search or arrest

Countries that report with highest drug-related stop rates

5	DL50PO5101	1
6	UP67CQ9426	1
7	KA61JB1004	1
8	WB70IV9884	1
9	WB75TF1052	1

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Select your question to run:

Yearly breakdown of stops and arrests by country ⌄

Run

# SecureCheck: Police Post Log Ledger

Select your question to run:

Yearly breakdown of stops and arrests by country ⌄

| Yearly breakdown of stops and arrests by country |
| Driver violation trends by age and race |
| Time period analysis of stops, no of stops by yr, month, hr of the day |
| Violations with high search & arrest rates |
| Driver demographics by country (Age, Gender and Race) |
| Top 5 violations with highest arrest rates |

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Select your question to run:

Yearly breakdown of stops and arrests by country ⌄

Run

	country_name	stop_date	total_stops	total_arrests	Arrest_rate_percent	Arrest_rank
0	USA	2020	491	244	49.69	1
1	Canada	2020	526	270	51.33	1
2	India	2020	516	259	50.19	1
3	India	2020	482	258	53.53	1
4	USA	2020	487	255	52.36	1
5	Canada	2020	503	256	50.89	1
6	India	2020	525	247	47.05	1
7	USA	2020	484	246	50.83	1
8	India	2020	500	263	52.6	1
9	Canada	2020	496	262	52.82	1

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Fill the fields below to log a stop and predict the outcome and violation.

Vehicle Number

UP76DY3473

Stop Date

2025/10/07

Stop Time

19:20 ⌄

Country Name

Canada ⌄

Driver Age

25 − +

Driver Race

Asian

25 − +

Driver Race

Asian ⌄

Search Type

Vehicle Search ⌄

Stop Duration

16-30 Min ⌄

Driver Gender
○ Male
● Female
Female

Is the stop is drug related?

NO ⌄

Is the search is conducted?

YES ⌄

Predict Stop Outcome & Violation

Vehicle Search ⌄

Stop Duration

16-30 Min ⌄

Driver Gender
○ Male
● Female
Female

Is the stop is drug related?

NO ⌄

Is the search is conducted?

YES ⌄

Predict Stop Outcome & Violation

Prediction Summary

-**Vehicle Number:** UP76DY3473
-**Predicted Violation:** Speeding -**Predicted Stop Outcome:** Warning -**Stop Duration:** 16-30 Min

A **25**-year-old **Female** driver in **Canada** was stopped for **Speeding** at 07:20 PM on 2025-10-07. **A search was conducted**, received a **Warning** and **it's not drug-related**.