

Bangalore Traffic Dataset Overview

This dataset contains 8,936 records across 16 columns, ideal for machine learning projects focused on traffic flow optimization.

Dataset Details

Records:	8,936
Columns:	16
Use Case:	Traffic Flow Optimization

Key Numerical Statistics

- Traffic Volume:** 4,233 to 72,039 vehicles.
- Average Speed:** 20 to 90 km/h (Mean \approx 39.4).
- Congestion Level:** Many entries at 100%.
- Road Capacity Utilization:** Peaks at 100% (Mean \approx 92%).
- Incident Reports:** Typically 0–3 per location/day.
- Environmental Impact:** Mean \approx 108 (emission models).
- Public Transport Usage:** Mean \approx 45% (sustainable modeling).
- Pedestrian/Cyclist Count:** 66 to 243 people.



Categorical Features

- Area Name:** 8 unique areas (e.g., Indiranagar, Koramangala).
- Road/Intersection Name:** 16 unique locations.
- Weather Conditions:** 5 types, predominantly "Clear".
- Roadwork Activity:** Mostly "No" (approx. 90% of rows).

All Column Names (16 Total)

Traffic Volume	Area Name
Average Speed	Road/Intersection Name
Congestion Level	Weather Conditions
Road Capacity Utilization	Roadwork Activity
Incident Reports	Timestamp
Environmental Impact	Vehicle Type
Public Transport Usage	Direction
Pedestrian/Cyclist Count	Light Condition