

# Delhi Weather & AQI Dataset

## (2025)

Hourly weather and pollution metrics (PM2.5, PM10, NO2) for Delhi, India (2025).



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#### ❖ Dataset Overview

This dataset provides a comprehensive hourly record of **Weather** and **Air Quality Index (AQI)** parameters for various locations across **Delhi, India**, for the year **2025**. It captures critical environmental metrics including temperature, humidity, wind conditions, and major pollutants like PM2.5, PM10, NO2, and CO.

This data is ideal for:

- **气象分析 (Meteorological Analysis):** Studying temperature trends, humidity variations, and weather patterns.

-  **Air Quality Monitoring:** Analyzing pollution spikes, correlation with weather, and health impact assessments.
-  **Predictive Modeling:** Building Machine Learning models for AQI forecasting or weather prediction.
-  **Urban Planning:** Understanding environmental conditions in different zones of Delhi.

## KPI

1. Average AQI (Overall Air Quality)
2. % of Time AQI is “Unhealthy”
3. Average PM2.5 & PM10 Levels
4. Worst Pollution Location
5. Impact of Wind Speed on AQI

## Business Analysis Questions

1. Which areas in Delhi experience the worst air quality?
2. How often does AQI exceed safe limits?
3. Is PM2.5 or PM10 the major contributor to pollution?
4. Does higher wind speed reduce AQI levels?

5. Which time of day has the worst pollution?