Mini-Project: end-to-end data pipeline

**Project Scope**

Title: *Tracking Air Quality Trends Across California Communities*

Pipeline:

1. Ingest air quality readings from OpenAQ for several CA cities
2. Store raw data in BigQuery via Cloud Function (daily or batch load)
3. Transform: compute daily averages by city, pollutant
4. Visualize:
   * Trends over time (e.g., PM2.5 in San Mateo vs. Fresno)
   * Regional comparisons
   * If merged with Census: highlight differences by income or race

Example API Call from OpenAQ

GET https://api.openaq.org/v2/measurements?country=US&city=San+Francisco&parameter=pm25&date\_from=2024-07-01&limit=100