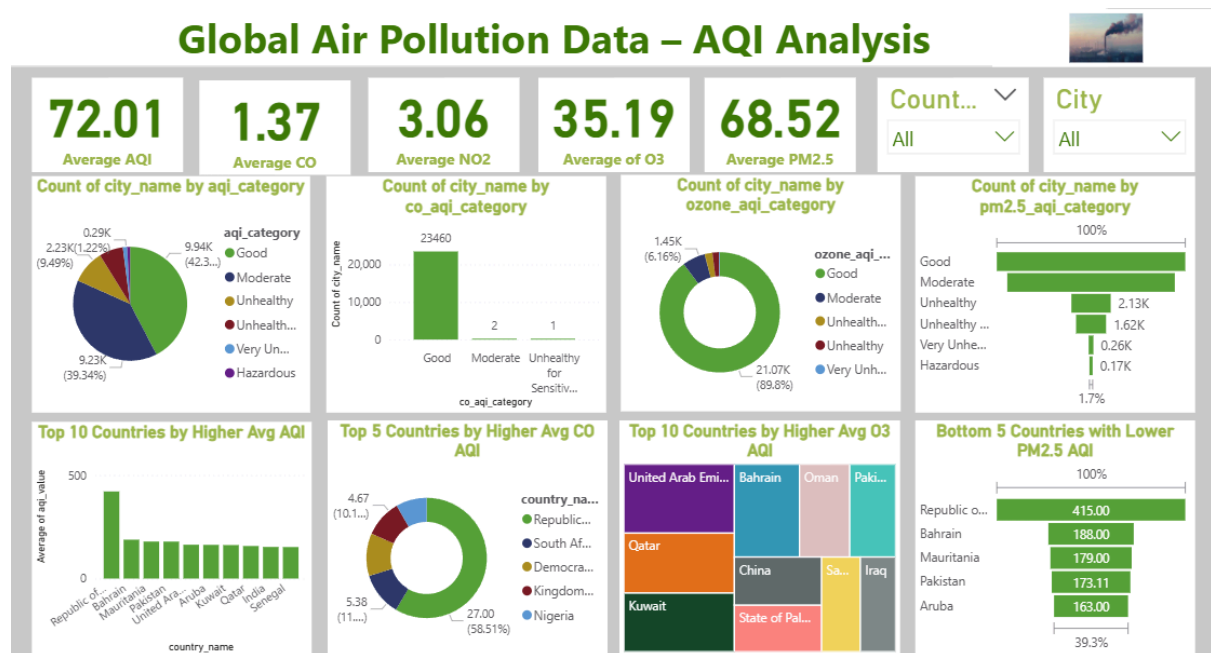


Dashboard Link : [Click Here](#) (Power BI link dont work sometime)



Dataset Link : [Click Here](#)

◆ Dashboard Title and Theme

- **Title:** *Global Air Pollution Data – AQI Analysis*
- The dashboard focuses on analyzing global AQI indicators like CO, NO2, Ozone, and PM2.5.

1 2 3 4 KPI Summary Cards (Top Row)

These cards display the global average values:

1. **Average of AQI Value** – 72.01
2. **Avg of CO AQI Value** – 1.37
3. **Avg of NO2 AQI Value** – 3.06
4. **Avg of Ozone AQI Value** – 35.19
5. **Avg of PM2.5 AQI Value** – 68.52

These KPIs give a quick glance at overall air quality across pollutants.

Visualizations Explained

1. Count of City by AQI Category (Pie Chart)

- Categories: Good, Moderate, Unhealthy, etc.

- Majority of cities fall in **Moderate** and **Unhealthy** categories.

2. Count of City by CO AQI Category (Bar Chart)

- Most cities show **Good CO levels** (over 23,000).
- Very few cities are in other categories.

3. Count of City by Ozone AQI Category (Donut Chart)

- Dominated by **Good Ozone levels** (89.8%).

4. Count of City by PM2.5 AQI Category (Bar Chart)

- Shows varying PM2.5 levels across AQI categories.
- Good and Moderate are most common; Hazardous is rare.

Country-wise Analysis

5. Top 10 Countries by Higher Avg AQI (Bar Chart)

- **Republic of Korea, Bahrain, and Pakistan** have high average AQI values.
- Republic of Korea tops with **500 AQI**.

6. Top 5 Countries by Higher Avg CO AQI (Donut Chart)

- Shows contribution of countries like:
 - Republic of Korea
 - South Africa
 - Nigeria, etc.

7. Top 10 Countries by Higher Avg O3 AQI (Tree Map)

- **UAE , QATAR** and **Kuwait** have highest O3 levels.

8. Bottom 5 Countries with Lower PM2.5 AQI (Bar Chart)

- Cleanest air (lowest PM2.5):
 - **Norway**
 - **Iceland**
 - **Maldives**
 - **Palau**
 - **Solomon Islands**

Filter Controls (Top-Right)

- **Country Dropdown** – Filter data by selected country.
- **City Dropdown** – Further drill down into city-level analysis.

Summary

This Power BI dashboard offers a multi-angle view of global air pollution data:

- It's useful for comparing air quality across countries and cities.
- The use of various visual types (bar, pie, donut, treemap) enhances clarity.
- Filters help users perform customized exploration.

Tools Used: Power Bi

Project By: Nitish

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