Tableau or Power BI Dashboarding project proposal

1. Executive Summary:

This project aims to develop interactive and insightful dashboards using Tableau/Power BI of **"Global air pollution analysis"** to enhance data-driven decision-making. The dashboards will focus on visualizing air pollutions and ratings of various cities around the world.

2. Problem Statement:

Objective: Develop dashboards to monitor and analyze the most polluted cities and least polluted cities

Scope: Initial focus on air quality index, rating category to analyze the air quality index data.

3. Data Sources:

Primary Data: Global air pollution analysis collected from a website called "Kaggle"

Secondary Data: Reference dataset "https://www.kaggle.com/datasets/sazidthe1/global-air-pollution-data"

4. Methodology:

Data Integration: Extract and integrate data from various sources into Tableau/Power BI.

Interactivity: Implement interactive features for drill-down analysis.

5. Expected Outcomes:

- Interactive dashboards providing real-time insights into the air quality of cities.

- Enhanced decision-making through visual representation of key metrics.

6. Tools and Technologies:

- Tableau/Power BI for dashboard development.

- Power BI for data extraction and transformation.

7. Risks and Challenges:

- Ensuring data accuracy and consistency across dashboards.

8. Conclusion:

This project is poised to empower the air quality of cities globally with visually engaging and informative dashboards, facilitating quicker and more informed decision-making. The dashboards will be tailored with specific categories, ensuring a user-friendly experience that promotes data-driven decision culture.