**Data Analysis**

**Air Quality**

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**Final Project**

**Abstract**

**Title: Investigating how certain factors affect AQI value across countries.**

**Proposal**

**This research proposal aims to explore how various environmental and socio-economic factors influence Air Quality Index (AQI) values across different countries. Air pollution remains a pressing global concern, affecting public health, ecosystems, and economies. By analyzing factors such as Population Density, Greenhouse Gases Emissions, and Forest covering land, this study seeks to uncover patterns and key drivers of air quality disparities worldwide. We will employ statistical methods such as correlation analysis and Anova tests to quantify the impact of each factor on AQI levels. The goal is to identify actionable insights that can inform policy interventions and promote international efforts toward cleaner air.**