

# Mini Research Abstract

## 1. Introduction

This research explores the impact of environmental factors, specifically air pollution and temperature anomalies, on economic growth. The study uses datasets from NASA (Temperature Anomalies), WHO (Air Pollution Data), and the World Bank (GDP Data) to analyze correlations between climate variables and GDP over time.

## 2. Research Question

- How does air pollution impact economic growth (GDP)?
- Do rising temperature anomalies correlate with GDP fluctuations?
- Is there a combined effect of air pollution and temperature anomalies on economic performance?

## 3. Hypotheses

- **H1:** Higher air pollution levels negatively impact GDP growth.
- **H2:** Increased temperature anomalies are associated with lower GDP performance.
- **H3:** The combined effect of air pollution and temperature anomalies leads to a more significant reduction in economic growth.

## 4. Justification for Dataset Usage

- **NASA Temperature Anomalies Data:** Provides a historical record of global temperature deviations to analyze climate change effects.
- **WHO Air Pollution Data:** Contains country-wise air pollution levels, helping to quantify environmental degradation.
- **World Bank GDP Data:** Offers a reliable measure of economic growth across different nations for comparative analysis.