



Economic Growth & Environmental Impact

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Fall

Subject

Motivation

Research
Question

Subject

We will observe the relationship between economic growth and greenhouse gas emissions.

Motivation

Climate change is an ever-pressing global issue. One of the main issues faced by climate negotiators is how much should each country contribute to abatement of greenhouse gas emissions. Should rich countries contribute more to fighting the climate crisis, or should every country pay the same amount?

Research Question

How do changes within a country's economy impact GHG emissions?

Source

- World Bank Open Data
- <https://data.worldbank.org/>

Data Set

- World Bank Group Corporate Scorecard
- World Development Indicators

Intended Values to be Used

- Total GHG emissions per year
- GDP Per Capita
- % Change in GDP Per Capita

Guiding Questions

- Does increased growth in GDP per capita correlate to increased change in GHG emissions?
- Does a higher GDP per capita correlate to higher GHG emissions per capita?



Outcome Variables - Greenhouse Gas Emissions Per Capita

Hypothesis - Economic growth leads to greater per capita contributions to global greenhouse gas emissions from countries.

Thank you!

Questions welcome and encouraged.