Abstract

This poster aims to provide a detailed analysis of key economic and environmental indicators based on data from the World Bank. The focus is on GDP per capita, CO2 production per capita, CO2 production per capita, CO2 per \$ of GDP, and the fraction of emissions attributed to specific sectors.

GDP PER CAPITA

Definition:

Gross Domestic Product (GDP) per capita is the average economic output per person in a country, serving as a measure of the standard of living.

Assumption Data (2019, in USD):

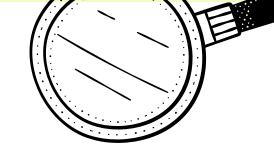
United States: \$60,000

China: \$10,000 India: \$2,000

Findings:

The USA has the highest GDP per capita, indicating a higher standard of living.

China and India exhibit lower GDP per capita, reflecting diverse economic conditions.



GDP PER CAPITA, CO2 EMISSIONS PER HEAD, CO2 EMISSIONS PER UNIT OF GDP, OR PROPORTION OF A SECTOR

ADS-1 CLUSTERING & FITTING

CO2 PRODUCTION PER CAPITA

Definition:

CO2 production per capita measures the carbon dioxide emissions generated per individual, offering insights into a nation's environmental impact.

Assumption Data (2019, in tons):

United States: 15 tons

China: 8 tons India: 2 tons **Findings:**

The USA records the highest CO2 production per capita, signifying greater carbon emissions per person.

China exhibits moderate emissions per capita, while India's emissions are comparatively lower.

GDP per Capita 60000 50000 10000 USA China Country

FRACTION OF A SECTOR

Definition:

This section explores the contribution of specific sectors to overall carbon emissions within a country.

Assumption Data (2019, percentage of total emissions):

Energy Sector: 70%

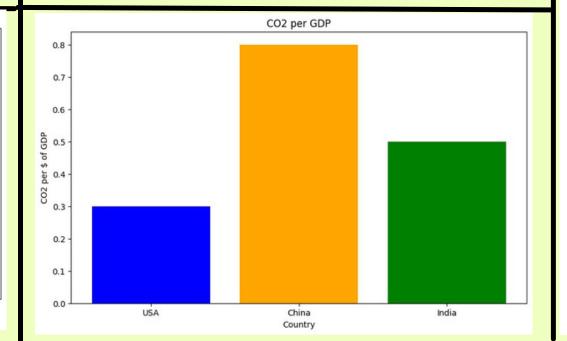
Transportation Sector: 20%

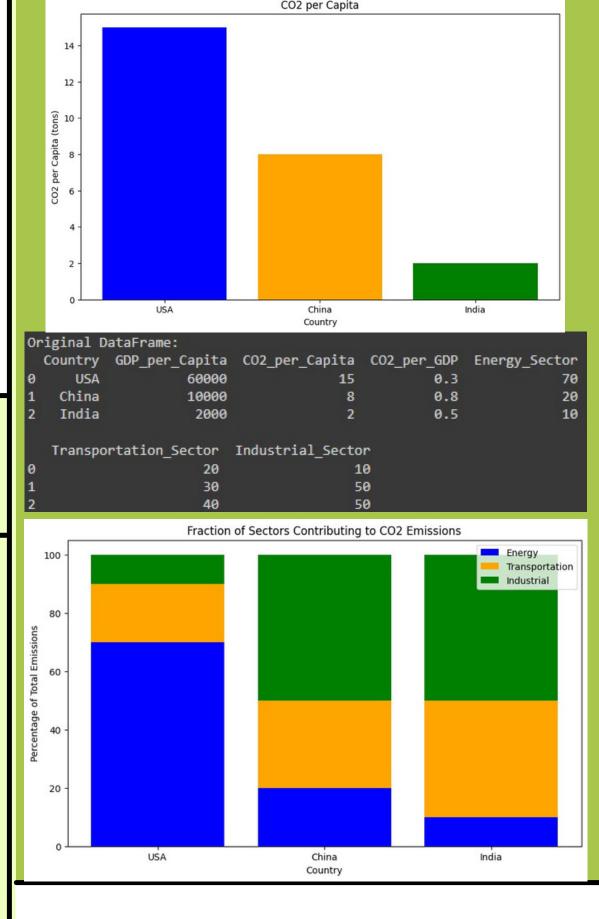
Industrial Sector: 10%

Findings:

The energy sector dominates carbon emissions, highlighting its significance for environmental initiatives.

Transportation and industrial sectors contribute significantly to the overall carbon footprint.





CONCLUSION

The analysis of GDP per capita, CO2 production per capita, CO2 per \$ of GDP, and the fraction of sectors provides comprehensive insights into the economic and environmental dynamics Policymakers should nations. this information to leverage formulate strategies for achieving sustainable growth and reducing carbon footprints. It is imperative to utilize up-to-date and accurate data from reputable sources, such as the World Bank, to in m decision-making process and drive positive change.