REDUCING GLOBAL CO2 EMISSIONS

NAAN MUDHALVAN

TEAM MEMBERS

- ASSEN I (TEAM LEADER)
- SILAMBARASAN V
- TAMIZHSELVAN V
- SUNDHARESAN T
- GOKULAKANNAN K

REDUCING GLOBAL CO2 EMISSIONS

- INTRODUCTION
- PROBLEM DEFINITION & DESIGN THINKING
- ADVANTAGES & DISADVANTAGES
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INTRODUCTION

Global co2 emissions refer to the total amount of Co2 released into the Earth's atmosphere from human activities such as burning of fossil fuels, deforestation and other industrial process on a global scale.

Co2 is a greenhouse gas that traps heat in the atmosphere and contributes to global warming and climate changes. The measurement of global Co2 emission is usually expressed in metric tons of Co2 per year, and it is used to assess the impact of human activities on the environment and to develop policies to migrate climate change.

ADVANTAGES & DISADVANTAGES

- **ADVANTAGES:-**
- MITIGATING CLIMATE CHANGE
- IMPROVES AIR QUALITY
- ENERGY SECURITY
- ECONOMIC OPPORTUNITIES

- **DISADVANTAGES:-**
- ECONOMIC COSTS
- JOB LOSSES
- TECHNOLOGICALLIMITATIONS
- DISTRIBUTIONAL EFFECTS

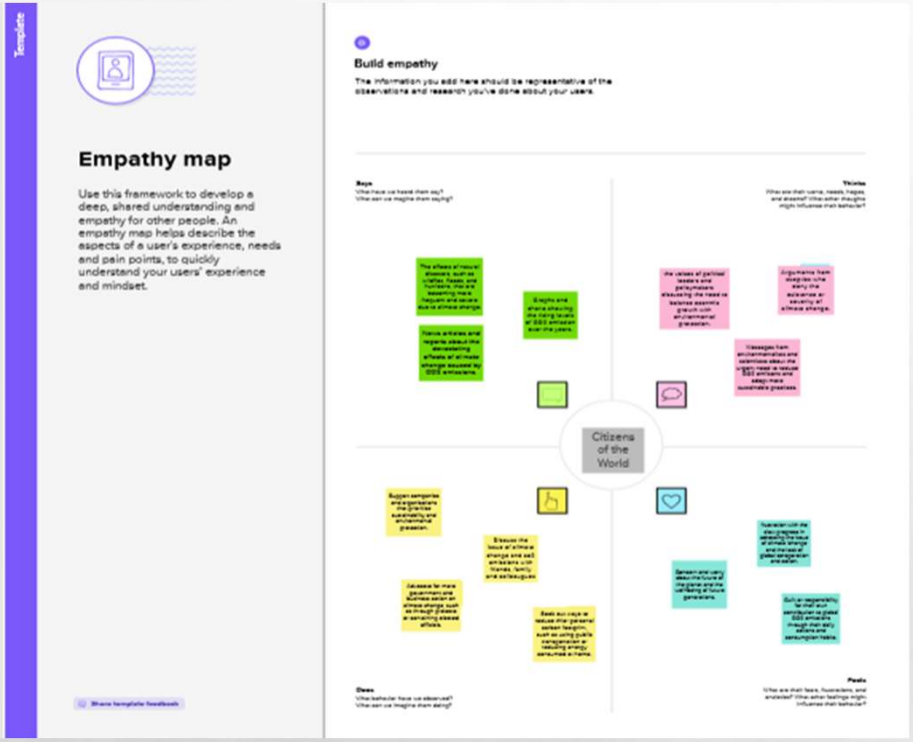
APPLICATIONS

- ✓ CLIMATE MITIGATION
- ✓ CLEAN ENERGY
- ✓ ENERGY EFFICIENCY
- ✓ SUSUTAINABLE AGRICULTURE & FORESTRY
- ✓ REDUCE THE RISK OF DEFORESTATION
- ✓ REDUCE ENERGY COSTS
- ✓ IMPROVE ENERGY SECURITY

FUTURE SCOPE

- INCREASED USE OF RENEWABLE ENERGY
- ENERGY STORAGE TECHNOLOGIES
- CARBON CAPTURE & STORAGE
- POLICY & REGULATION
- RENEWABLE ENERGY TARGETS
- INCREASE WIND & SOLAR ENERGY

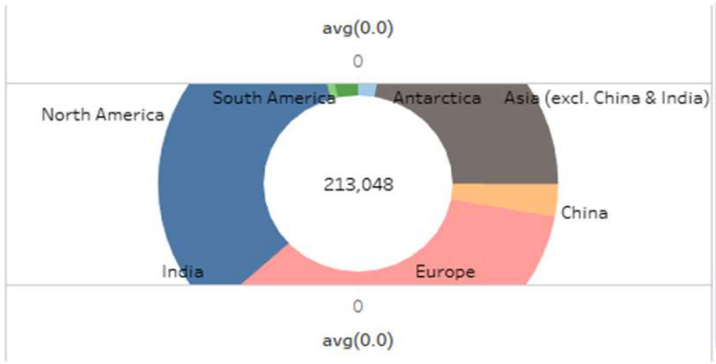
EMPATHY MAP & BRAINSTORMING



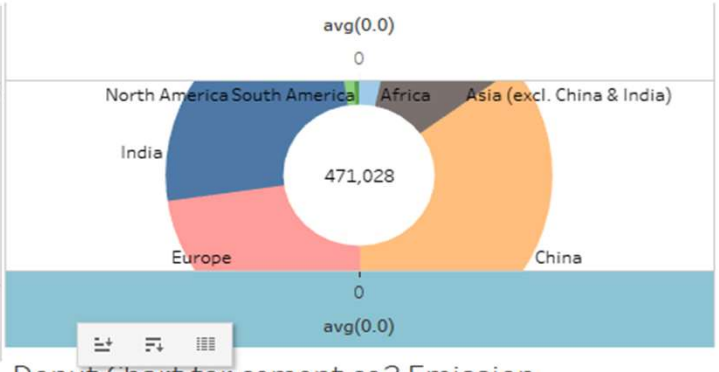
Story 1

Total world emission | Top Countries emission | CO2 Emission Over Time | CO2 emission India vs United States | Total Emission By continents | CO2 emission per capita | CO2 emission by other factors

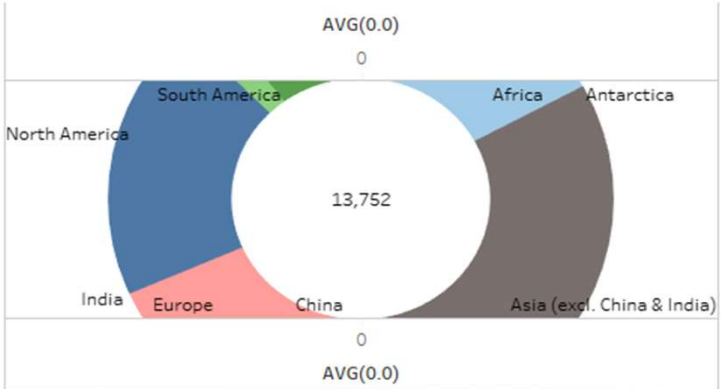
Donut Chart for Gas CO2 emission



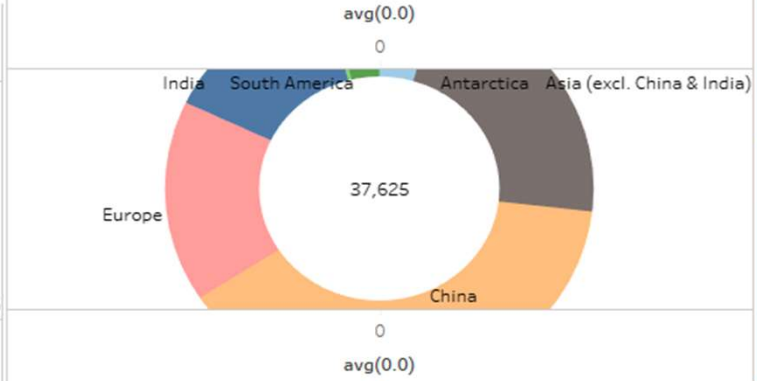
Donut Chart for Coal CO2 Emission

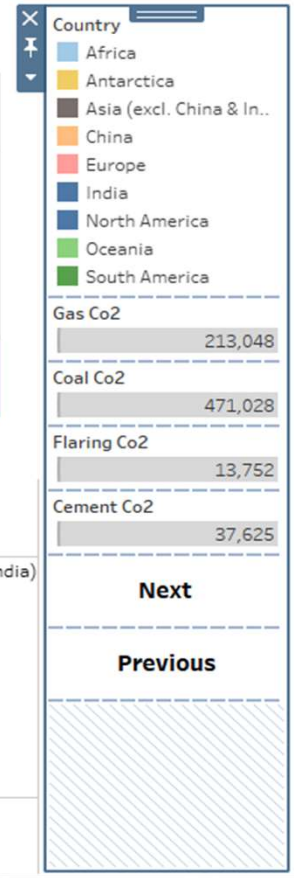


Donut Chart for FLARING CO2 Emission

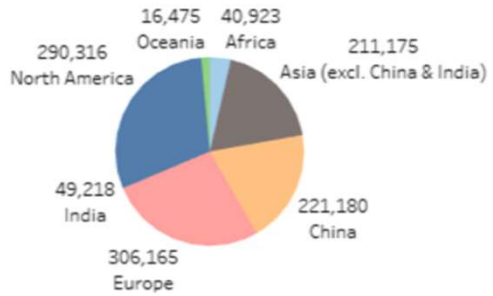


Donut Chart for cement co2 Emission

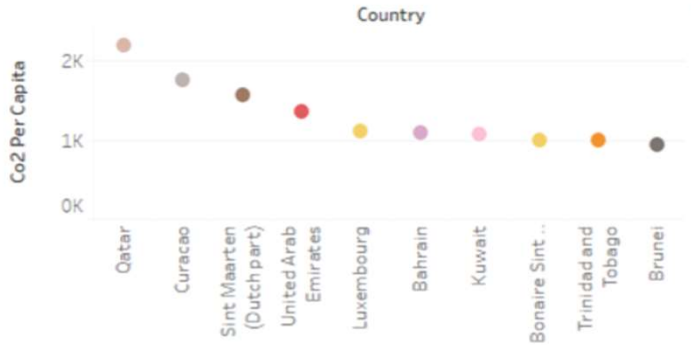




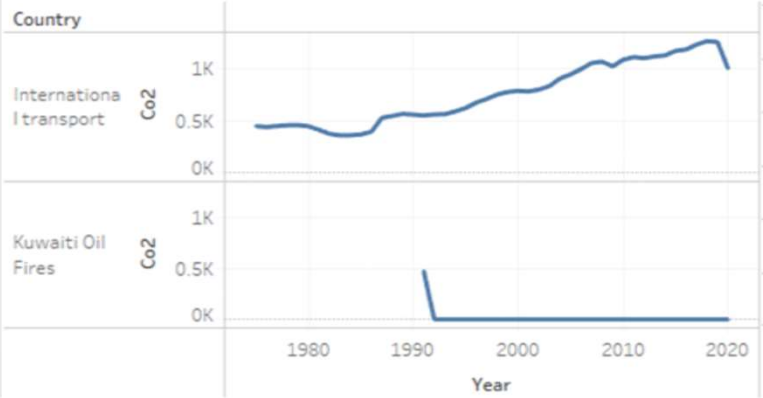
Total emission by continents



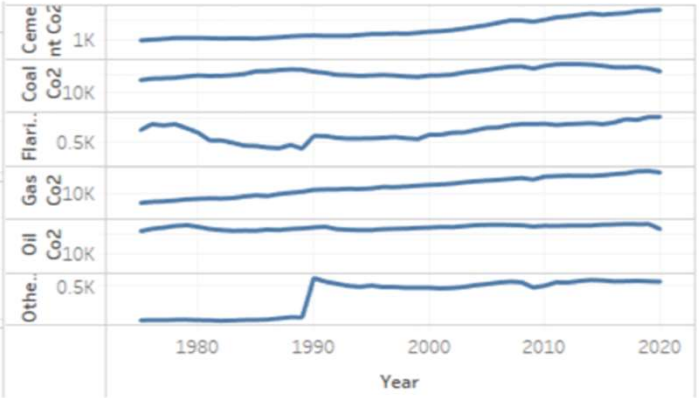
CO2 emission per capita



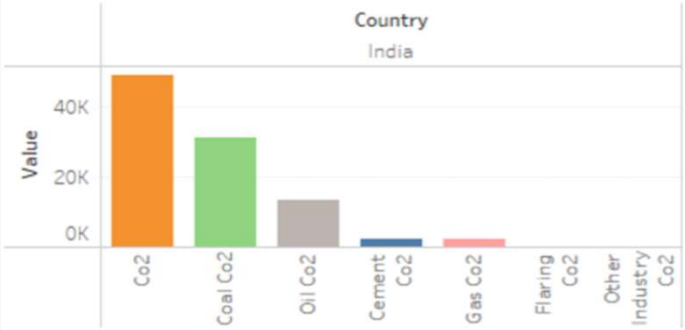
CO2 emission by other factors



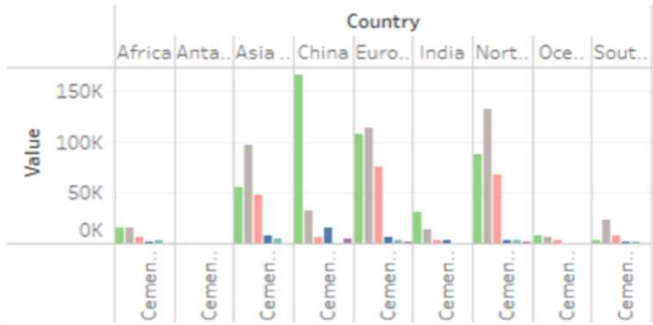
Emission rate over years

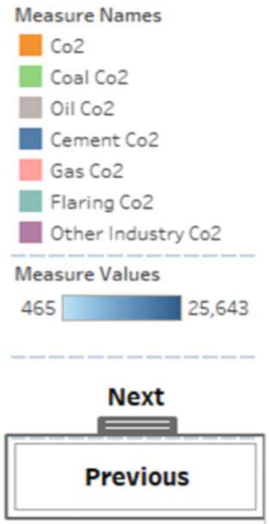


Overall contribution by India in CO2 emission

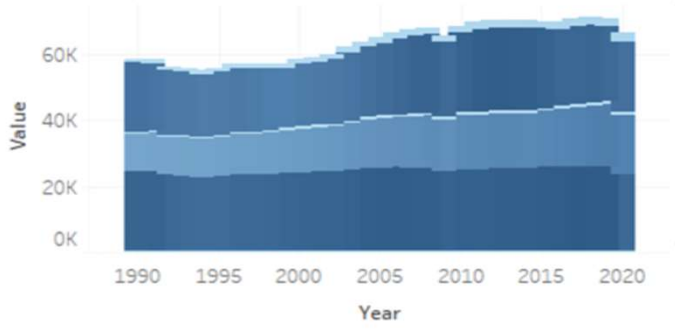


Continental wise contribtion by internal factors

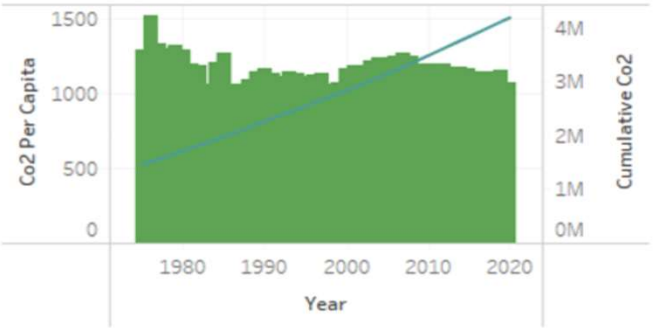




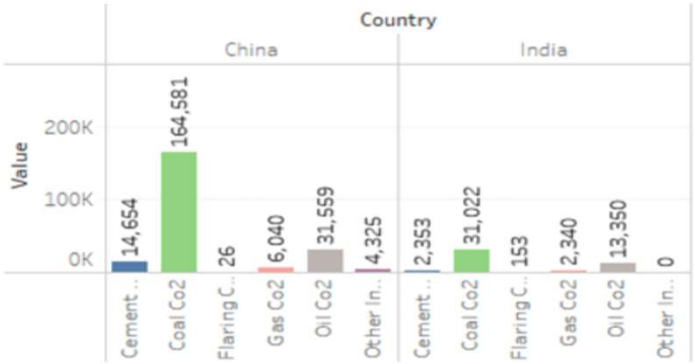
CO2 emission from 1990 to 2020 based on internal factors



Commulative CO2 and CO2 per capita over years



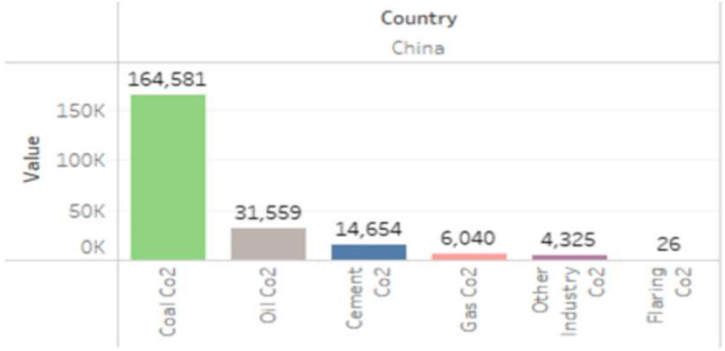
China vs India Internal Factors



Measure Names
- Cement Co2
- Coal Co2
- Flaring Co2
- Gas Co2
- Oil Co2
- Other Industry Co2

Home

Overall Contribution by China in CO2 emission



CONCLUSION

- Global co2 emissions are a significant contributor to climate change and its adverse effects on the environment and human helath.
- Reducing global co2 emissions is crucial to mitigrate climate change and its consequences.
- While there may be economic and social costs associated with reducing emissions, there are also opportunities for creating sustainable and resilient economy, promoting clean energy technologies and improving air , water quality.
- The future scope of reducing Co2 emissions includes continued investment in renewable energy sources, the development of energy storage technologies and carbon capture and storage and the implementation of policies and regulations that promote sustainable practices.