UNEARTHING THE ENVIRONMENTAL IMPACT OF HUMAN ACTIVITY: A GLOBAL CO2 EMISSION ANALYSIS

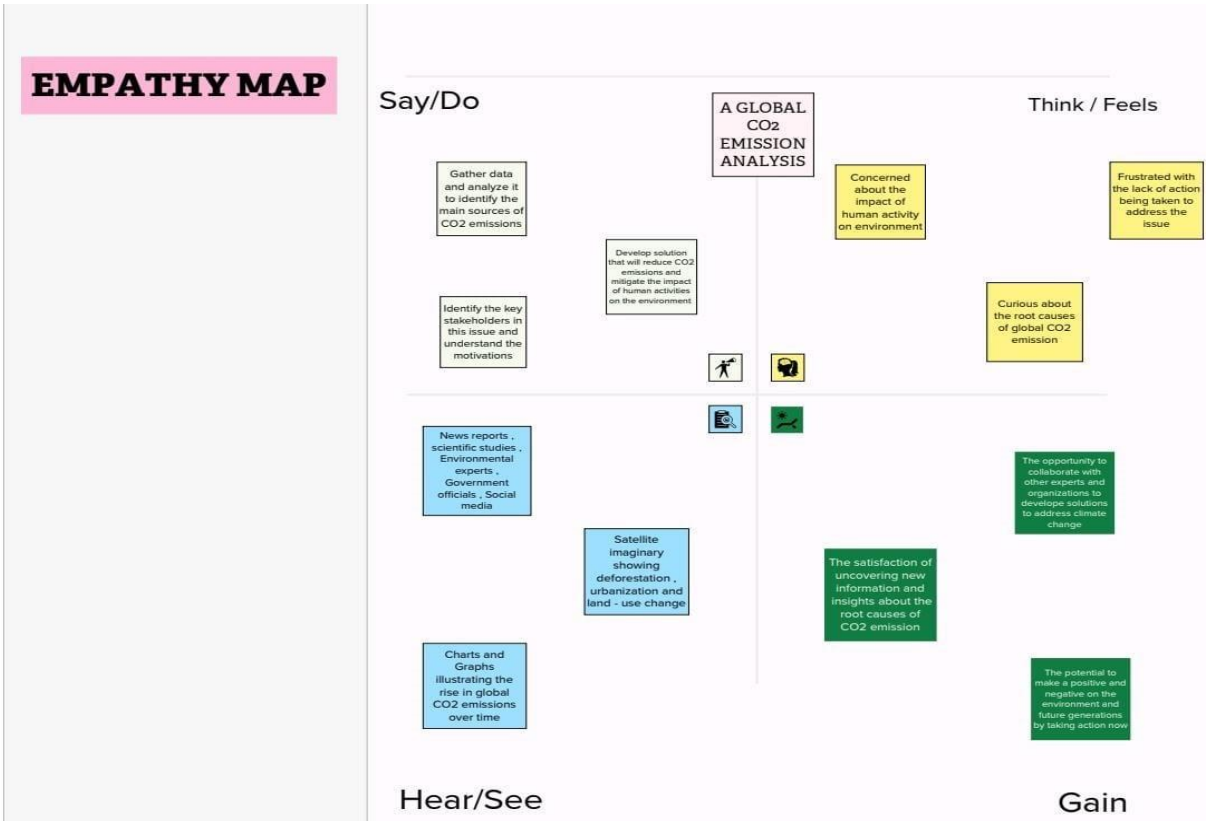
1. INTRODUCTION:

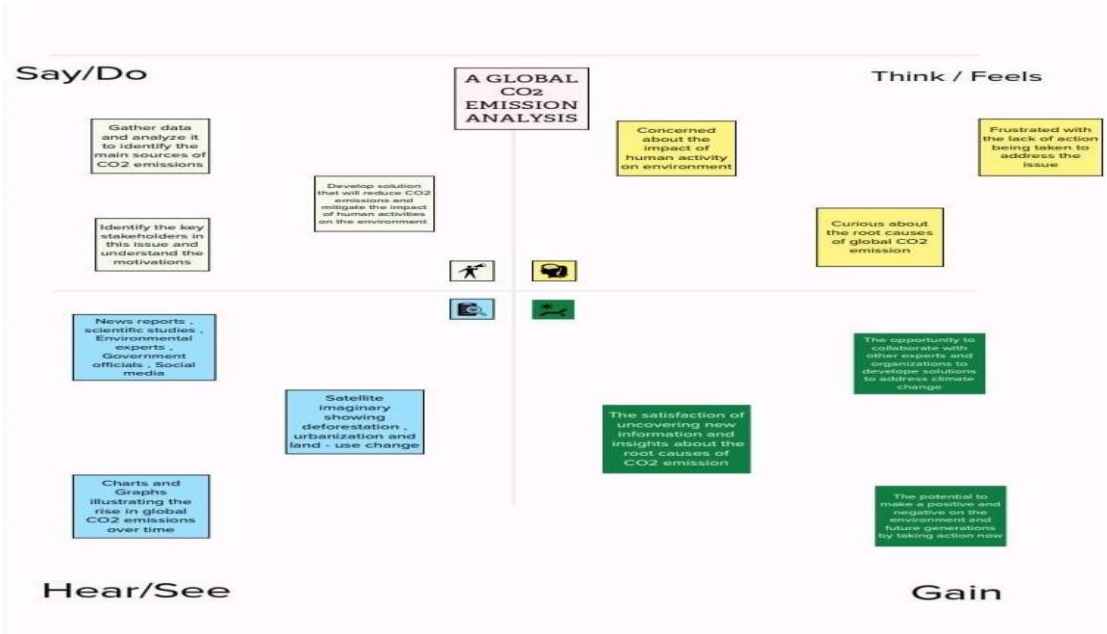
Global carbon dioxide emission refers to the amount of human activities across the globe.CO2 is a greenhouse gas that traps heat in the atmosphere and contributes to climate change. Human activities such as transportation, industrial process, electricity generation, and deforestation of CO2 emissions. Therefore, monitoring and reducing global CO2 emissions are critical components of the global effort to mitigate the impacts of climate change

- **PURPOSE:**

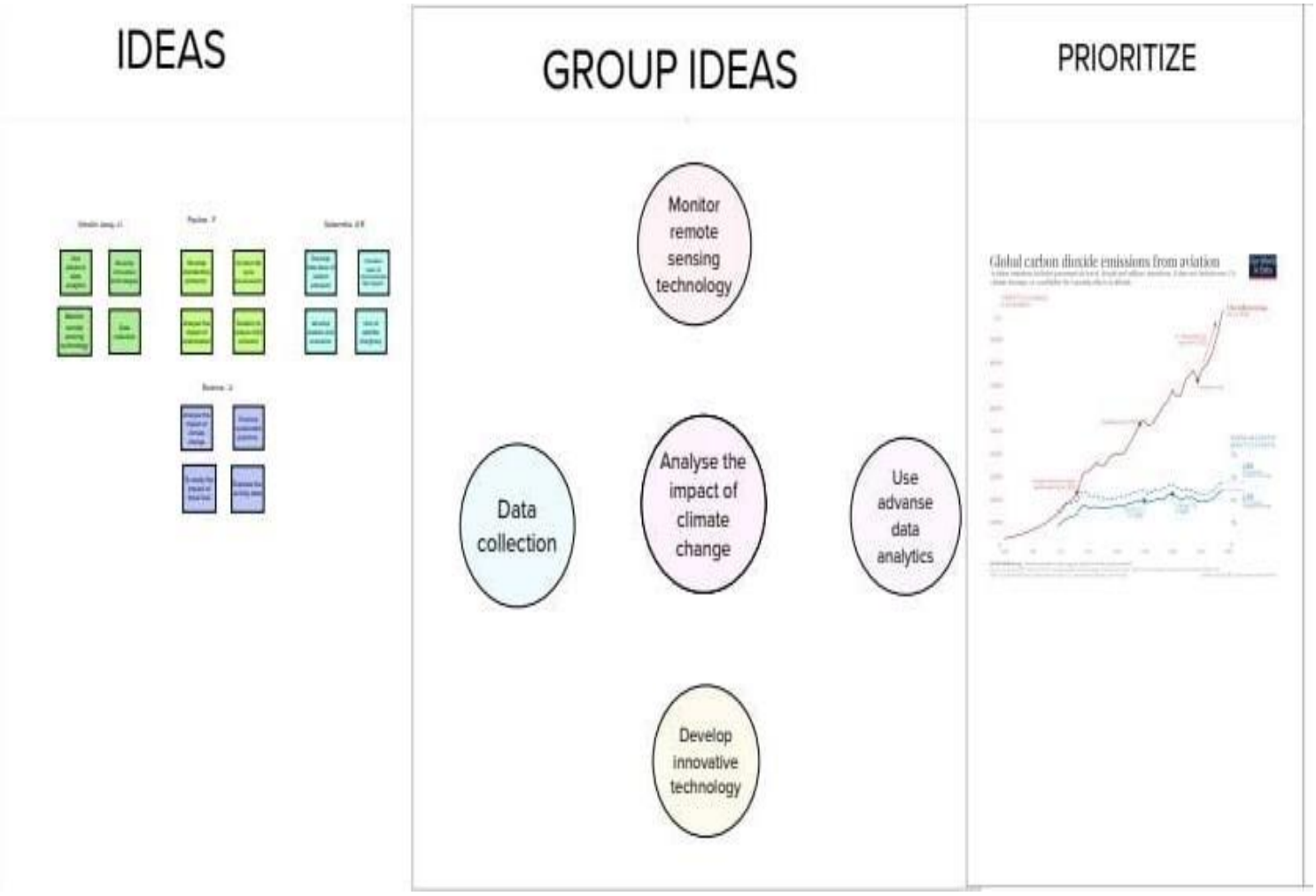
The purpose of CO2 analysis is to understand the sources and quality of greenhouse gas emissions, measure progress towards emission reduction goals, develop effective reduction strategies, and encourage action on climate change.

2. PROBLEM DEFINING AND DESIGN THINKING:





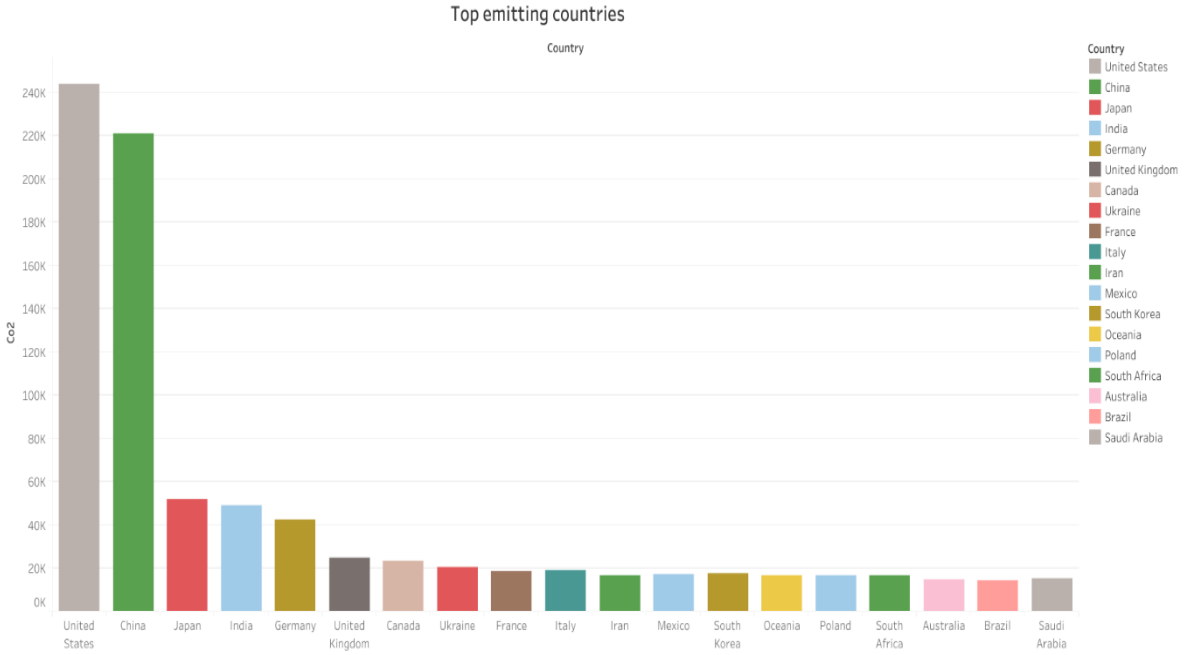
IDEATION AND BRAINSTROMING MAP:



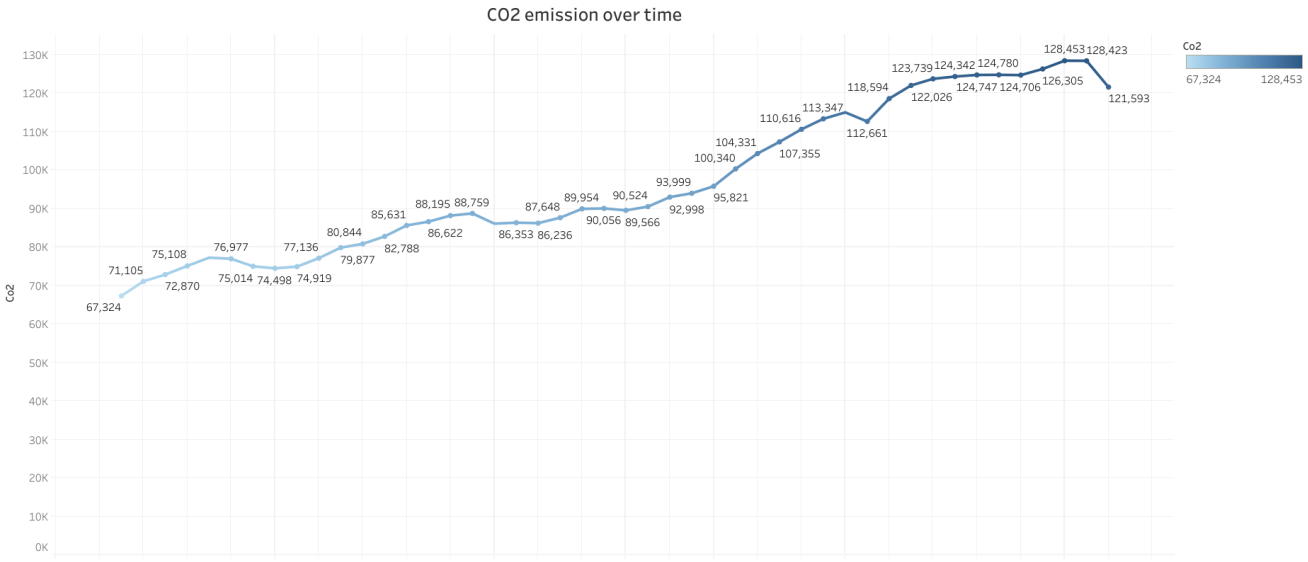
3. RESULT:

The data has been collected and visualized

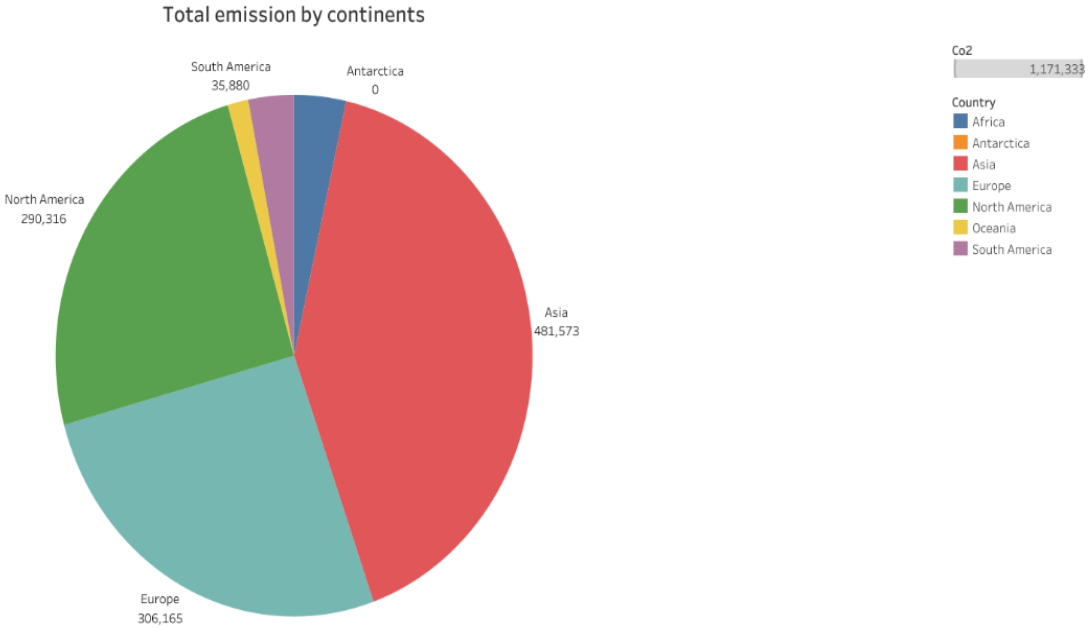
TOP COUNTRIES EMISSION:



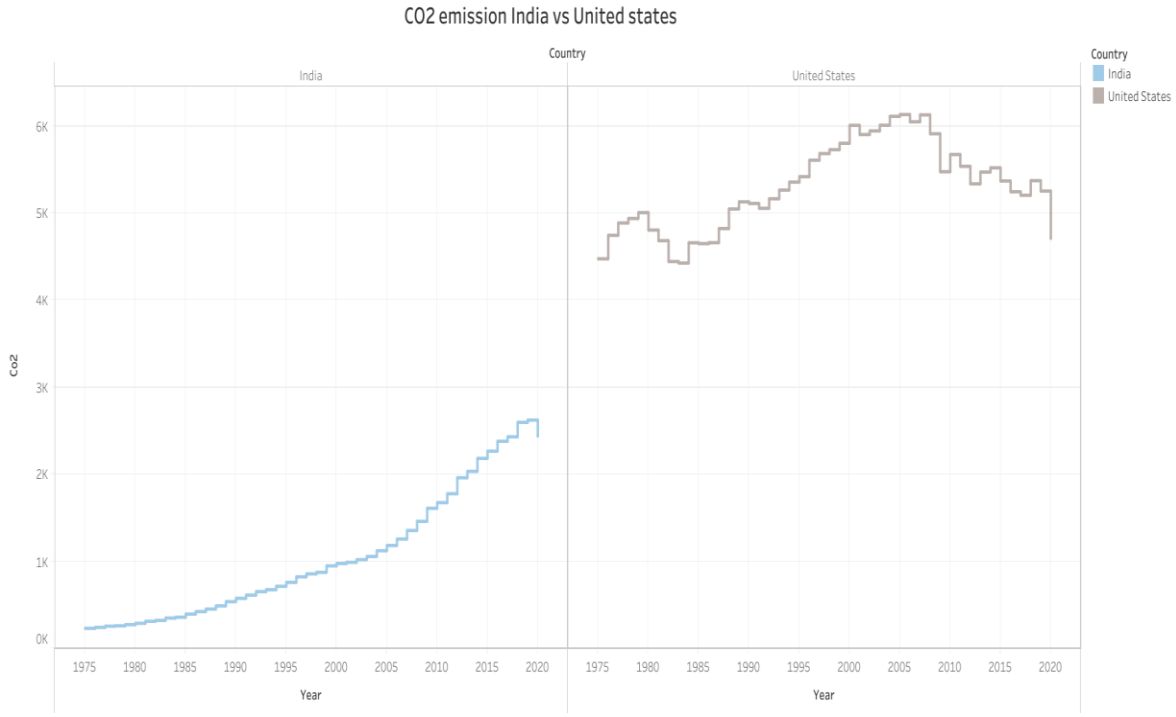
CO2 EMISSION OVER TIME:



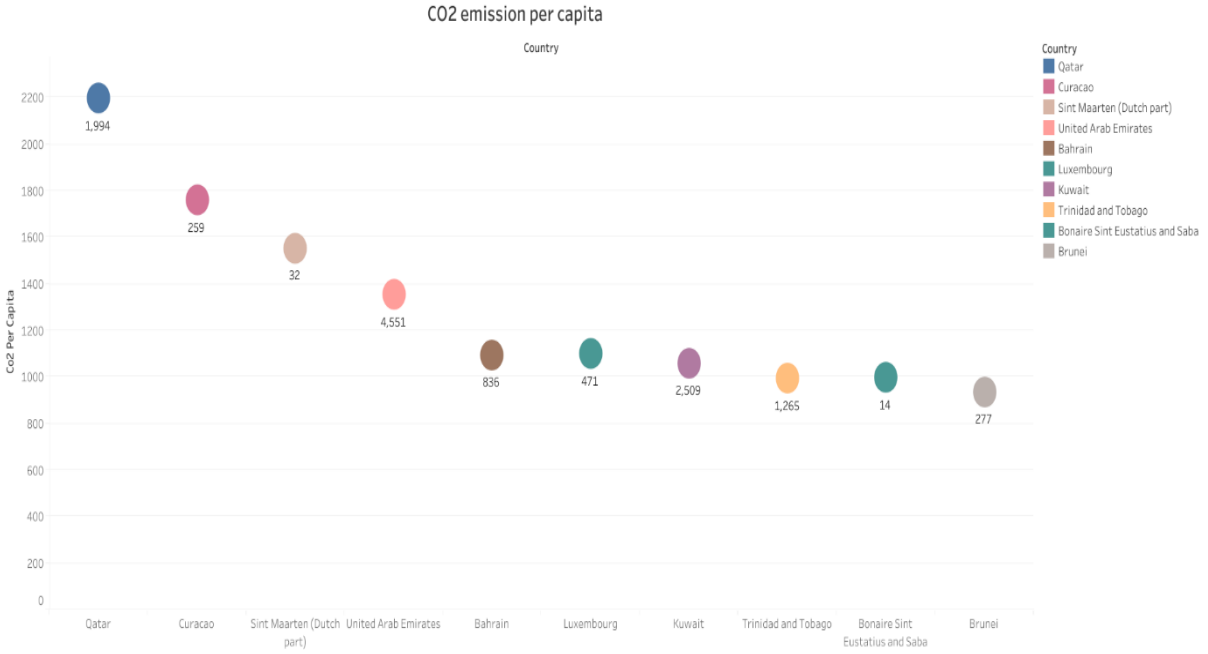
TOTAL EMISSION BY CONTINENTS:



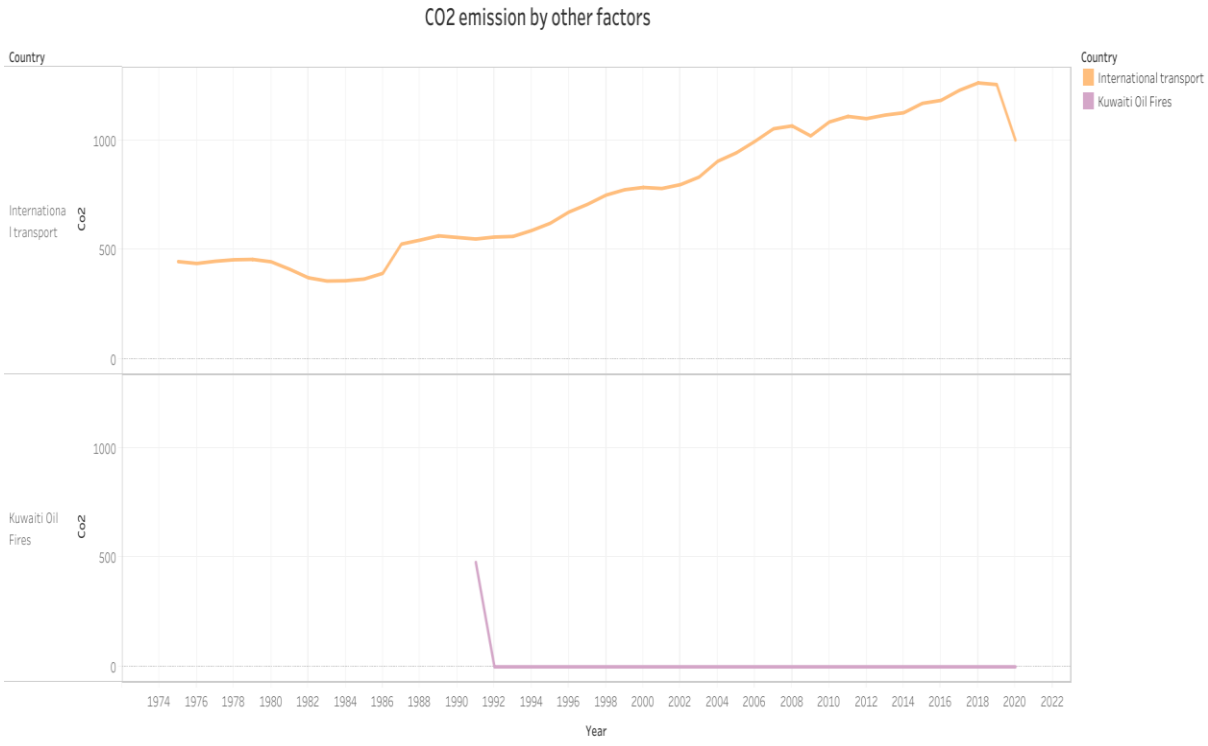
CO2 EMISSION BETWEEMN INDIA AND UNITED STATES:



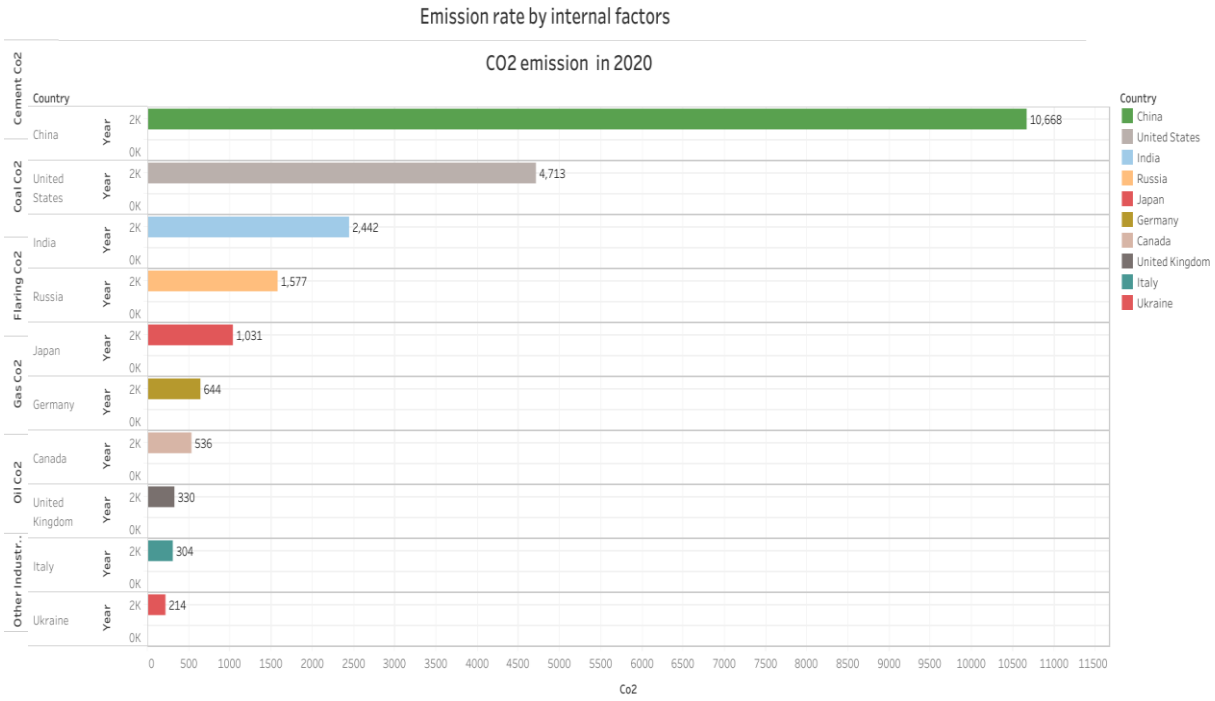
CO2 EMISSION PER CAPITA:



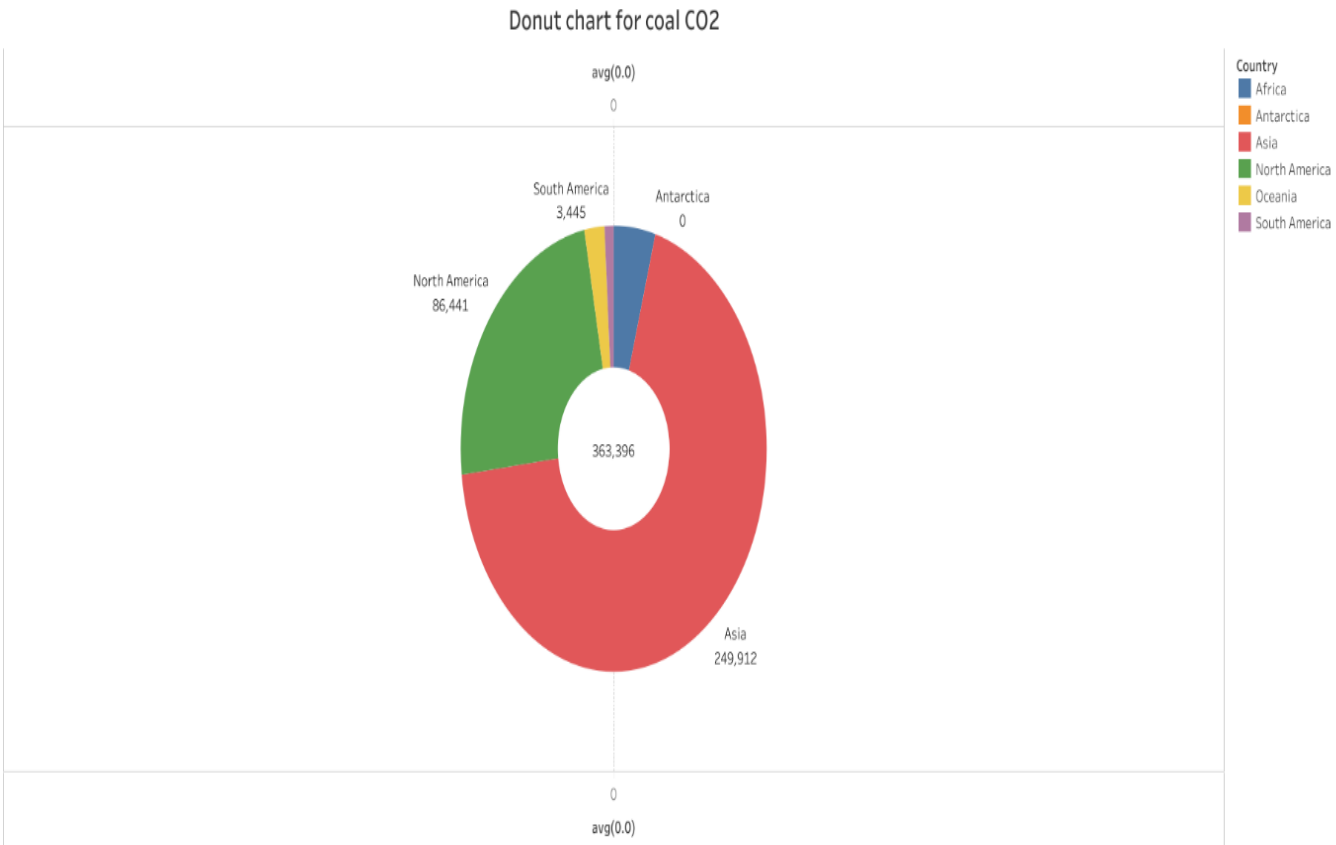
CO2 EMISSION BY OTHER FACTORS:



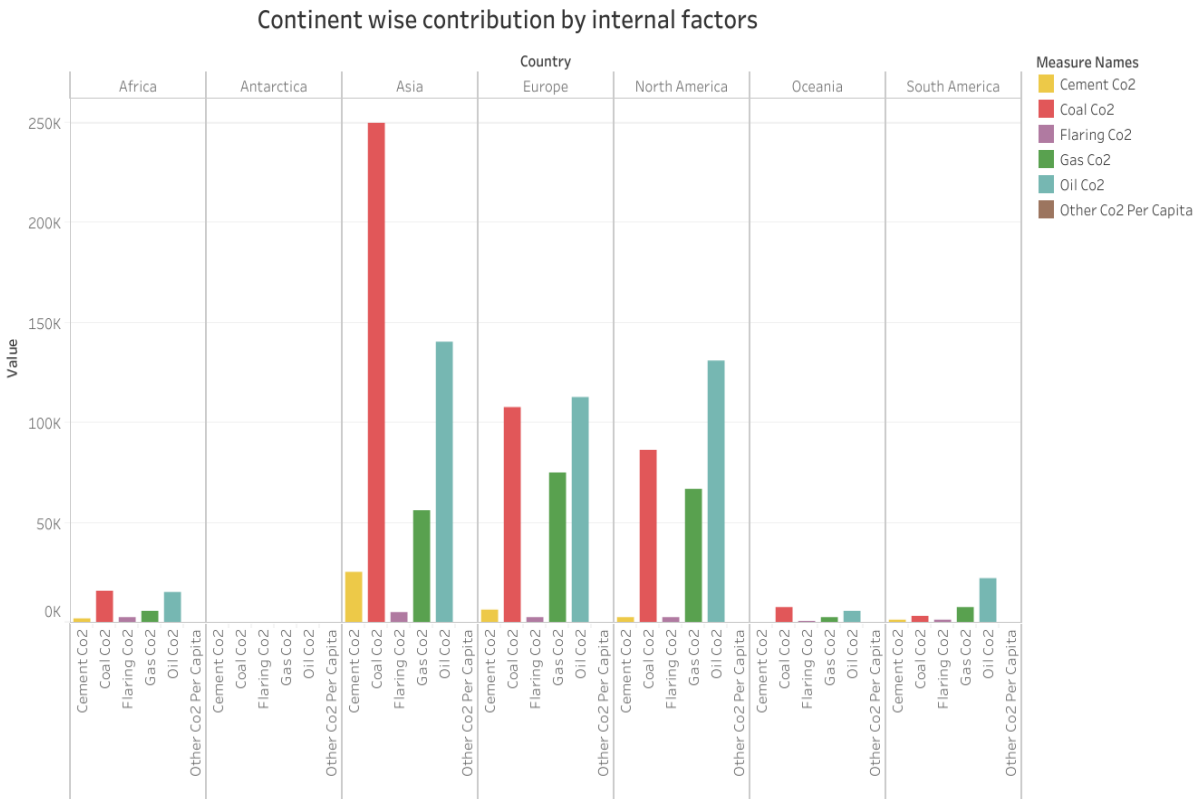
EMISSION RATE BY INTERNAL FACTORS:



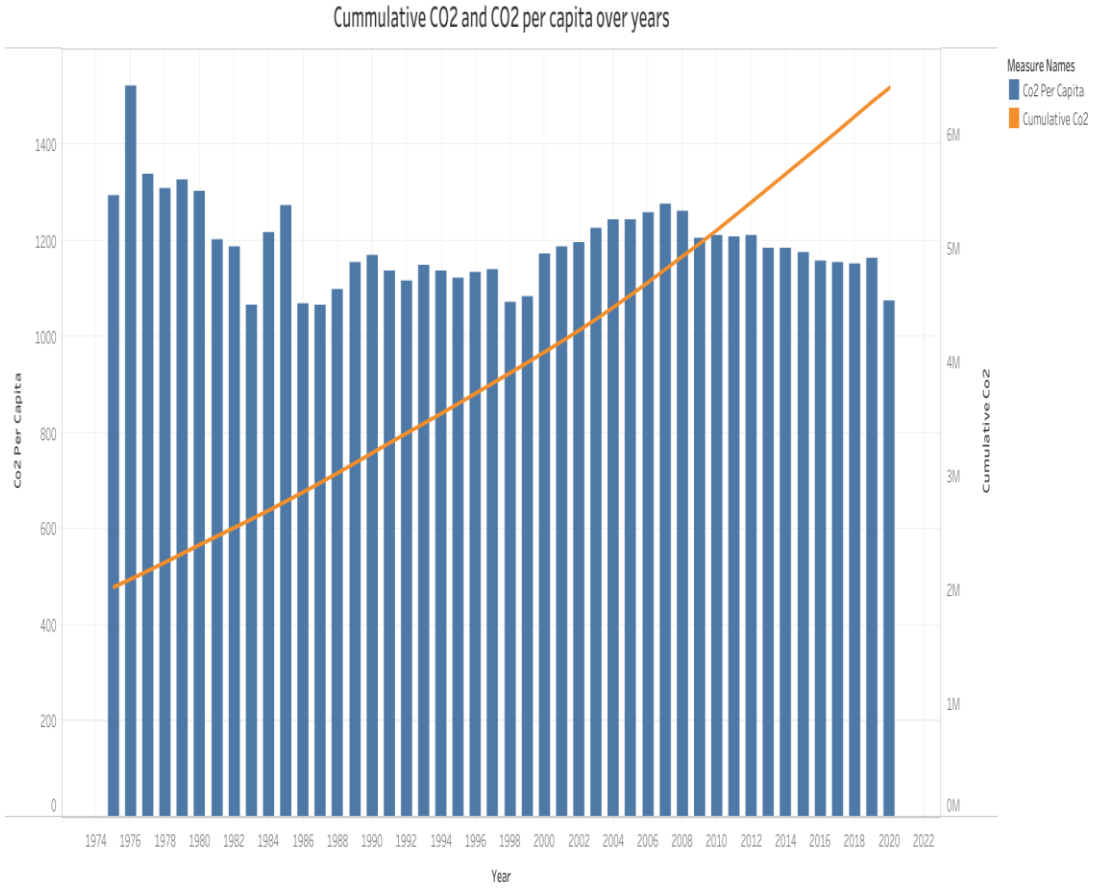
DONUT CHART FOR COAL CO2 EMISSION:



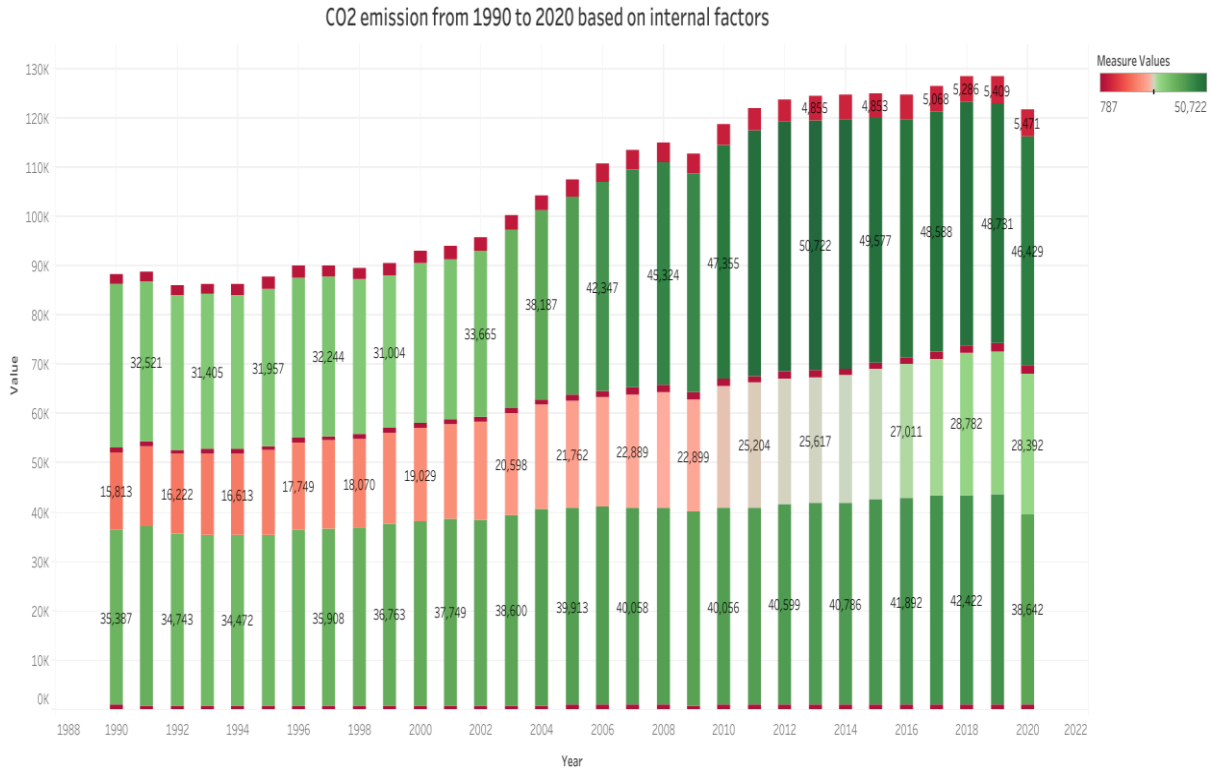
CONTINENT WISE CONTRIBUTION BY INTERNAL FACTORS:



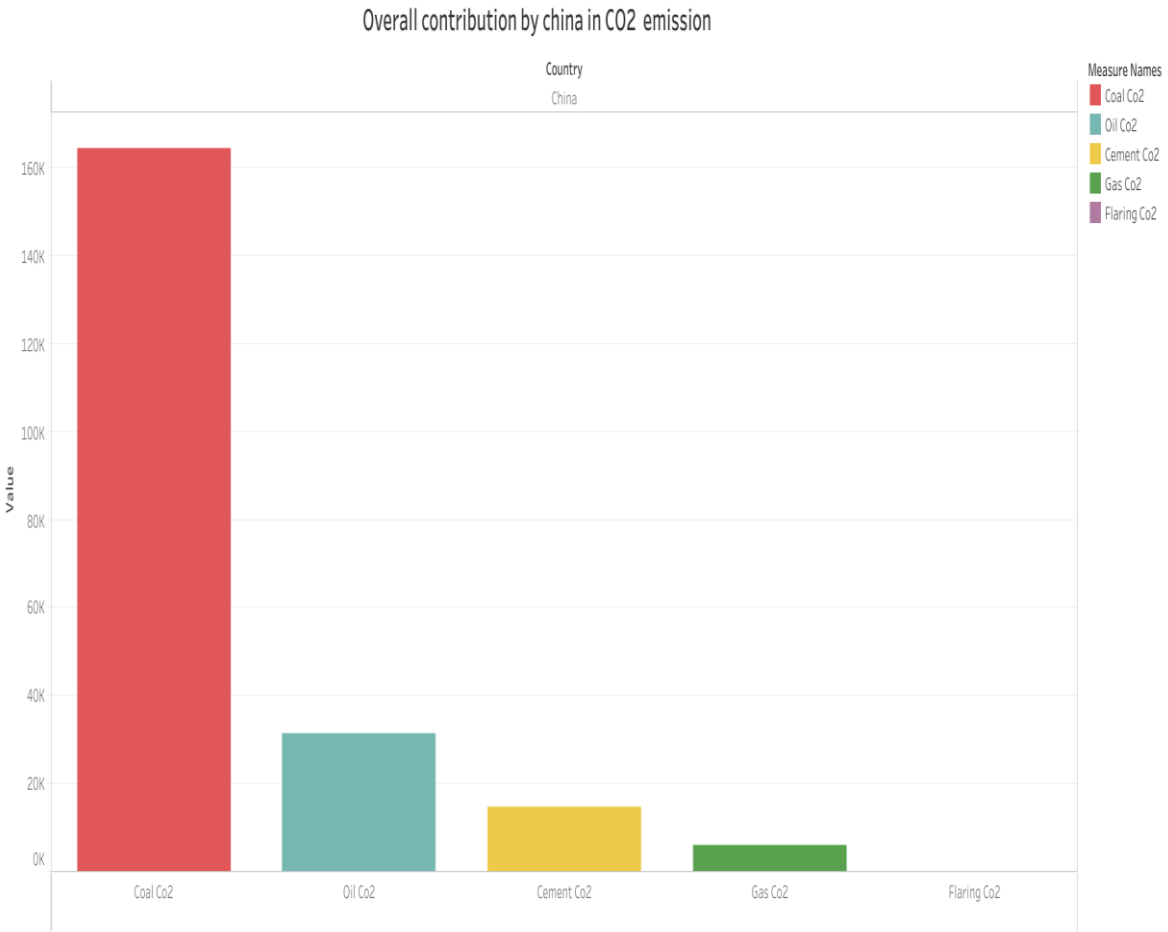
CUMMULATIVE CO2 AND CO2 PER CAPITA:



CO2 EMISSION FROM1990 TO 2020 BASED ON INTERNAL FACTORS:



OVER ALL CONTRIBUTION BY CHINA IN CO2 EMISSION:



4. ADVANTAGES:

1. Identifying sources of emission
2. Measuring process to track the emission of CO2
3. Setting targets for reducing CO2
4. Encouraging the public about the importance of reducing CO2

DISADVANTAGES:

1. Limited scopes
2. Data limitations
3. Cost and complexity
4. Political and economic barriers

APPLICATION:

Global CO2 emission analysis is important tool for unearthing the environmental impact of human activities, as it allows us to identify the sources of greenhouse gas emissions and measure the scale and magnitude of these emissions. This information can then be used to develop strategies for reducing emissions and mitigation the environmental impacts of human activities.

1. Identifying the most carbon intensive industries
2. Tracking progress towards emission reduction goals
3. Evaluating the environmental impact of different countries and regions
4. Developing emissions reduction strategies

Over all, global CO2 emission is a powerful tool for developing effective strategies in addressing climate change and promoting sustainability.

6. FUTURE SCOPE:

The future scope of CO2 emission analysis is promising, as there is increasing recognition of urgent need to address climate change and reduce greenhouse gas emission.

1. Improving emission data and monitoring
2. Advancing low-carbon technologies
3. Addressing emissions from emerging economies
4. Integrating emissions reduction into broader policy goals

7. CONCLUSION:

CO2 emission analysis is a critical tool for understanding and addressing the environmental impact of human activities. By identifying the sources of greenhouse gas emissions, measuring their scale and magnitude, and developing targeted strategies for reducing emissions.