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Course Name: Data Analytics With Tableau

Project Title: Unearthing The Environment Impact of Human Activity : A Global CO2 Emission Analysis

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PROJECT REPORT

1. Introduction

1.1 Overview :

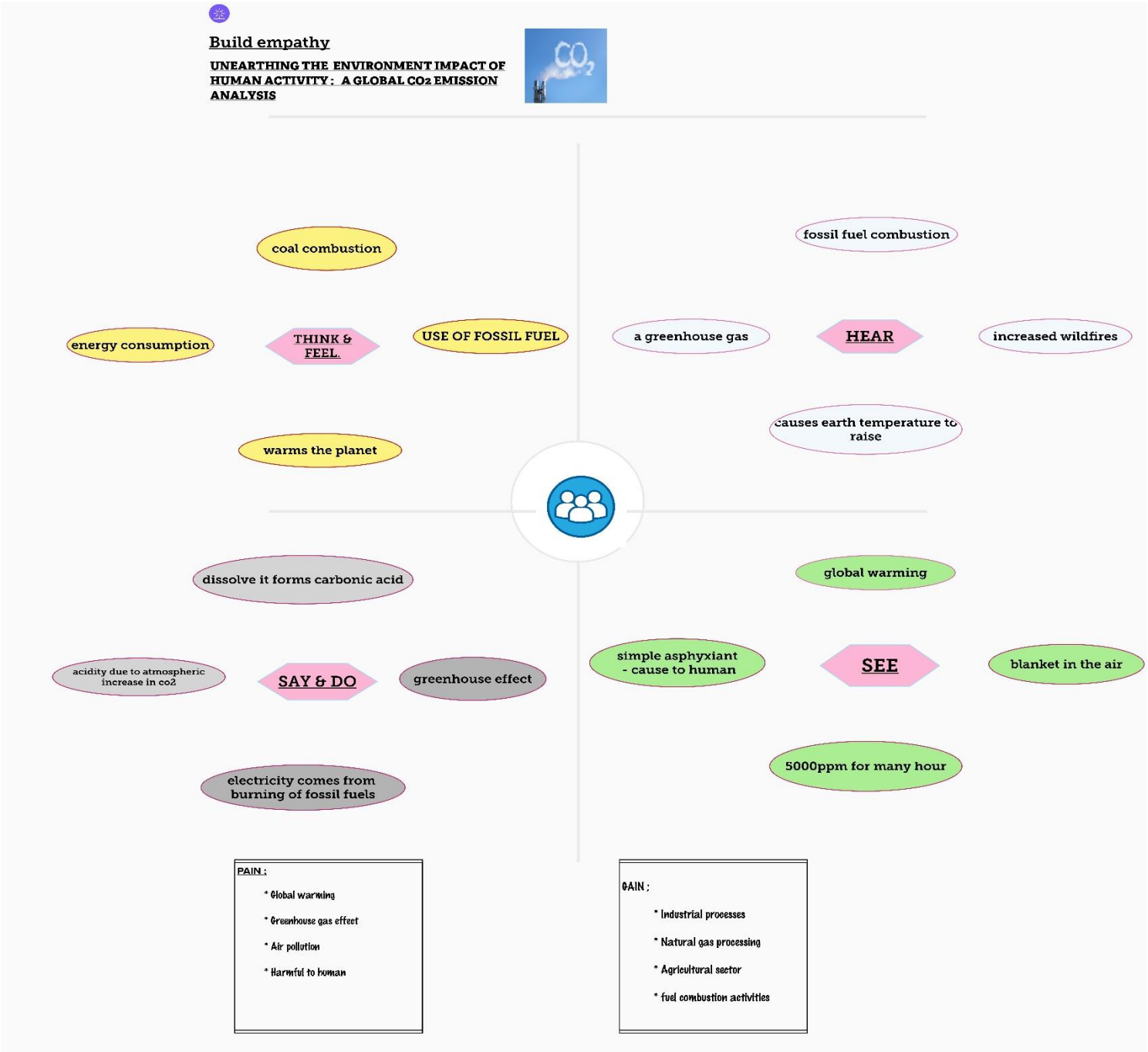
Co2 Emission are the those stemming from the burning of fossil fuels and the manufacture of cement. They include co2 produced during consumption of solid, liquid, and gas fuels and gas flaring.Co2 Emission largely by -products of energy production and use, account for the largest share of greenhouse gases, which are associated with global warming.

1.2 Purpose:

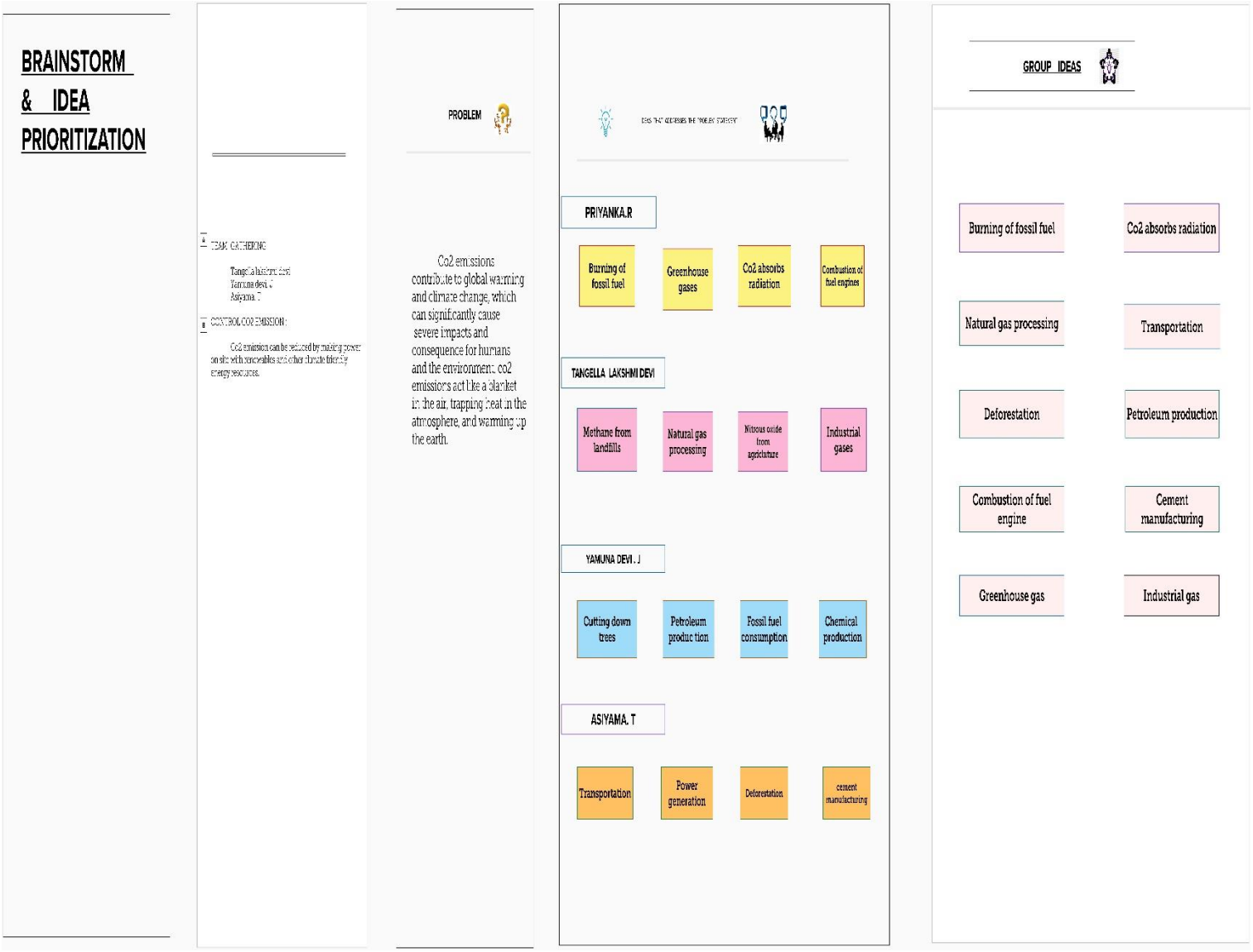
Co2 is Earth's most important greenhouse gas : a gas that absorbs and radiates heat. Unlike oxygen and nitrogen , Greenhouse gases absorbs heat radiating from the earth's surface and re-release it in all directions including back toward earth's surface.

2. Problem Definition And Design Thinking

2.1 Empathy Map :

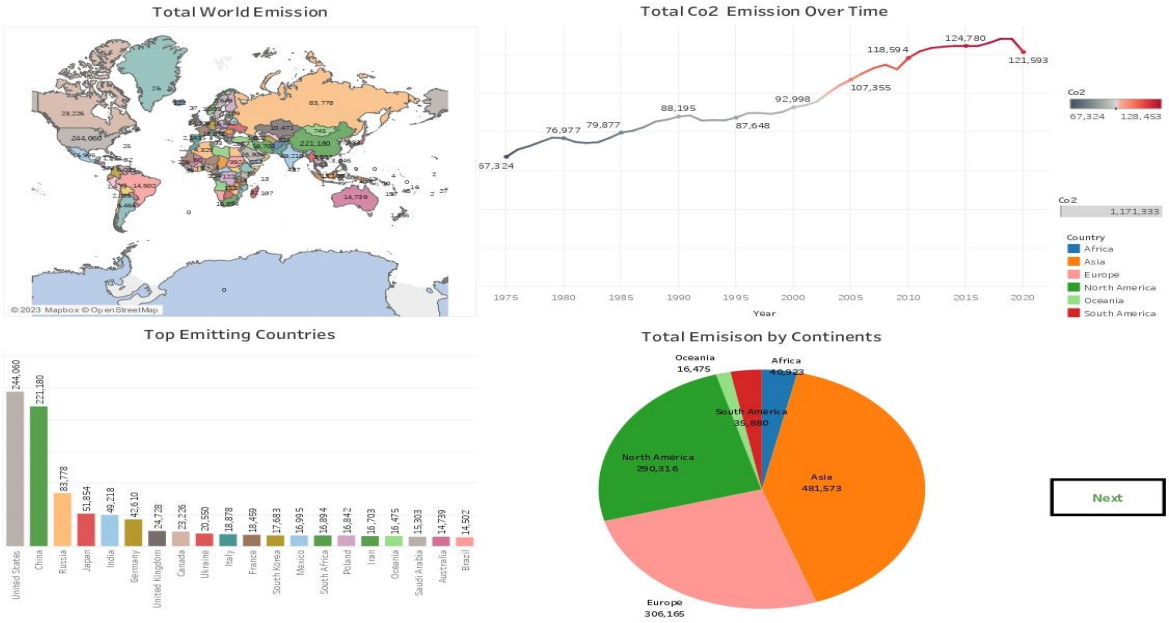


2.2 Brainstroming :

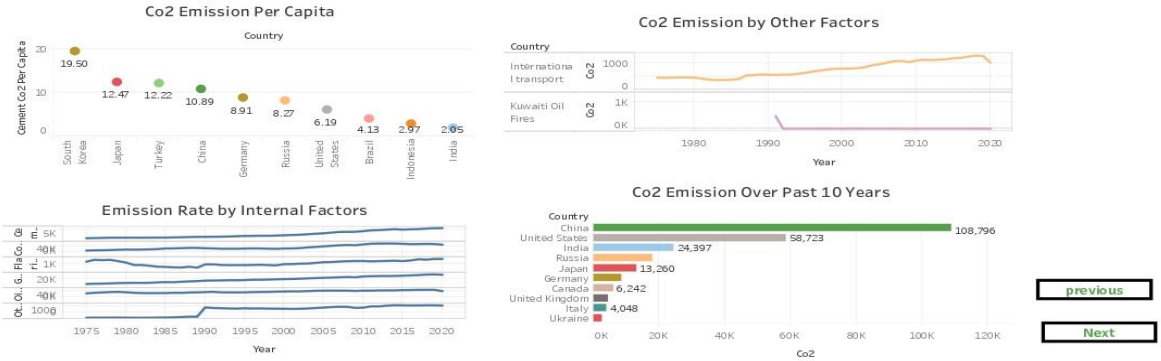


3.Result

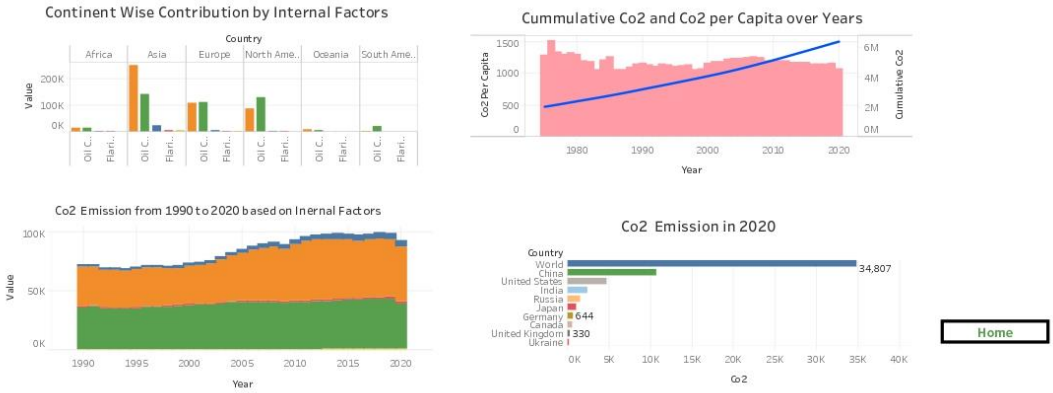
Dashboard 1:



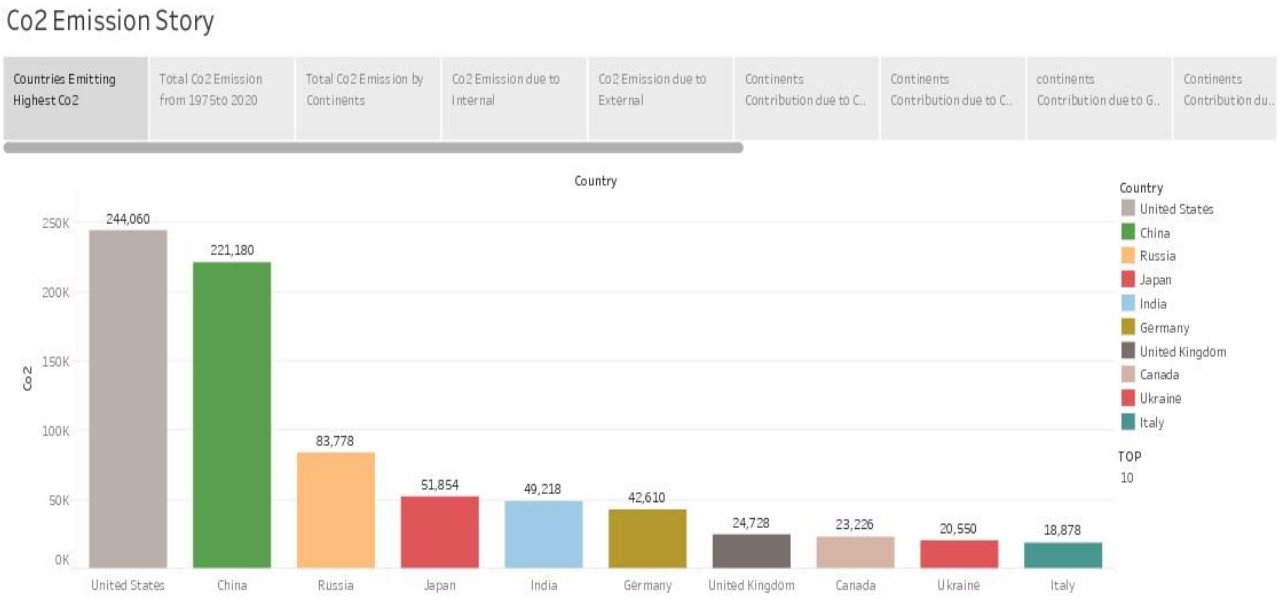
Dashboard 2:



Dashboard 3:



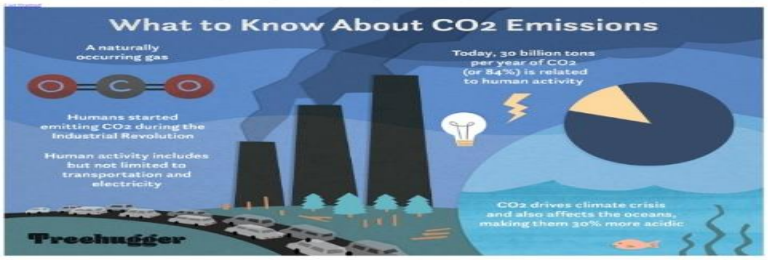
Story:



Web Integration :

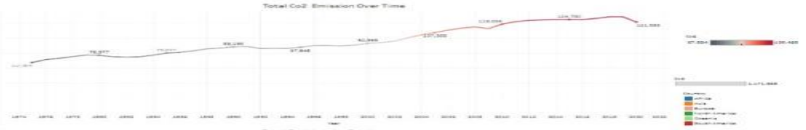
Welcome to Global Co2 Emission Analysis for Year 2020

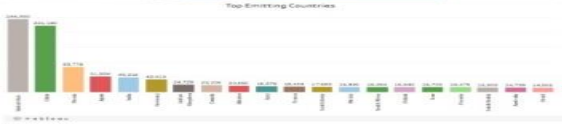
Carbon dioxide emissions are the primary driver of global climate change. It's widely recognised that to avoid the worst impacts of climate change, the world needs to urgently reduce emissions.

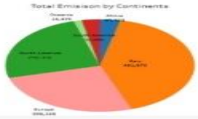


About Us

Dashboard







Story

CO2 Emission Story

Visualizations

Image 1

Image 2

Image 3

Image 5

Image 6

Image 4

Report

Top Co2 Emitting countries for Past 10 Years

Continent Contribution towards Co2 Emission

Overall India Contribution towards Co2 Emission

Overall Co2 Emission over time

Contact

Location:

Email:

Call:

4. ADVANTAGES & DISADVANTAGES

Advantages :

Carbon dioxide is an important greenhouse gas that helps to trap heat in our atmosphere. Without it, our planet would be inhospitably cold. However, an increase in co2 concentrations in our atmosphere is causing average global temperatures to rise, disrupting other aspects of earth's climate.

Disadvantages :

Carbon dioxide in the atmosphere warms the planet causing climate change. Human activities have raised the atmosphere's carbon dioxide content by 50% less than 200 years.

The change in concentration causes warming and is affecting various aspects of climate, including surface air and ocean temperatures, precipitation and sea levels. Human health, agriculture, water resources, forests, wildlife and coastal areas are all vulnerable to climate change

- Global warming.
- Increasing water levels.
- Destruction of marine life

5. Applications

In 2025, Natural gas is projected to account for 27% of electricity generation and 18% of electricity related co2 emission.

☆ Transportation: (28%)

Green House gas (Co2) emission from transportation primarily come from burning fossil fuels for our cars, trucks, ships, trains and planes. Over 94% of the

fuel used for transportation is petroleum based, which includes primarily gasoline and diesel.

☆ Electricity production: (25%)

Electric power generates the second largest share of global Co2 emissions and Commercial and Residential emissions from electricity production used by other end use sectors (e.g. industry). 79% of our electricity comes from burning fossil fuels, mostly coal and natural gas.

6. Conclusion

Co2 Emission contributes to global warming and climate change, which can significantly cause severe impacts and consequence for humans and the environment. Co2 Emission can be reduced by making power on site with renewables and other climate friendly energy resources.

Global co2 emissions has already had observable effects on the environment. As there are increasing and decreasing of number of animals, and many things are changing, the systems in the environment will collapse soon, and cause some type of organism to become endangered or extinct.

7. Future Scope

Co2 can also replace fossil fuels as a raw materials in chemicals and polymers. Less energy intensive pathways include reacting co2 with minerals or waste streams. Such as iron slag, to form carbonate for building materials.

8. Appendix

A. Source Code

file:///C:/Users/user/Downloads/index%20(1).htmlobal Co2 Emission Analysis