

REPORT FOR GLOBAL CO2 EMISSION

1. INTRODUCTION

1.1 OVERVIEW

Global warming is one of the biggest challenges currently being faced by the human race, although correlation is not causation, a likely cause of global warming is due to increased atmospheric carbon dioxide from human activities. CO2 Emission refers to the Carbon Dioxide emitted throughout the world. For this analysis we will be focusing on CO2 Emissions and its effect on the world we live in as well as some key factors and stats that may play a role in the emission of CO2 globally. Fossil fuel use is the primary source of CO2. The data throws light onto how much fossil fuels are burnt, per year per nation, which amounts to an increase in CO2 every year. This will help researchers and environment experts to predict global warming. So countries should set a goal to decrease this amount yearly. Analysing Global Co2 Emission across countries from 1975 to 2020. This dataset contains a record of Co2 Emission by each Country and Region of Earth, here we are going to analyse and visualise Country wise, Region wise and Overall Co2 Emission on Earth.

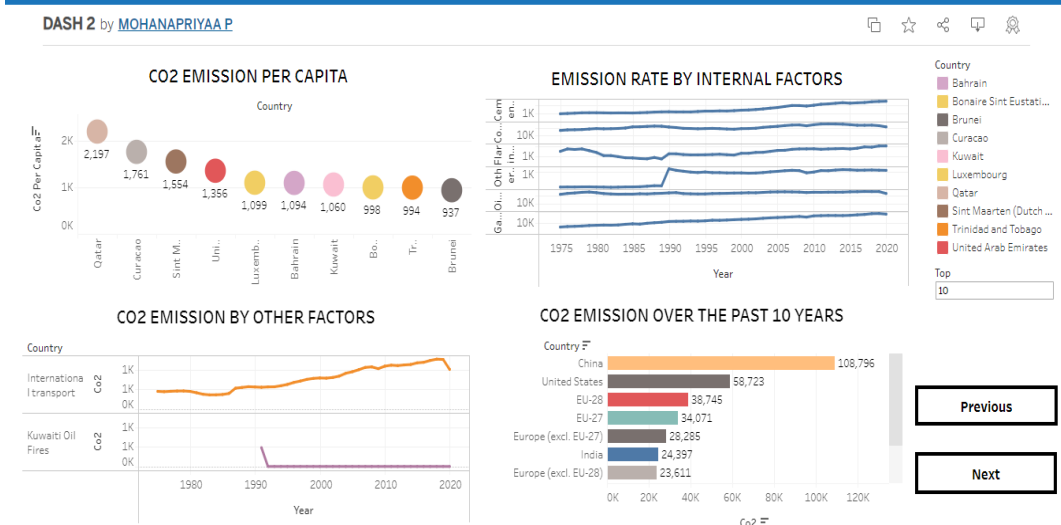
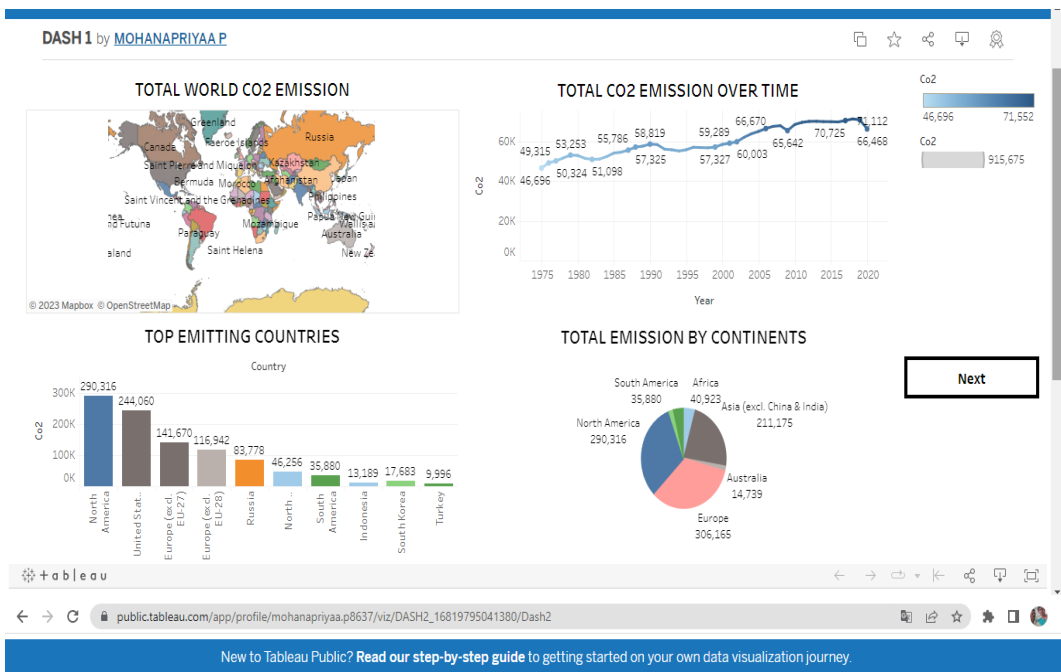
1.2 PURPOSE:

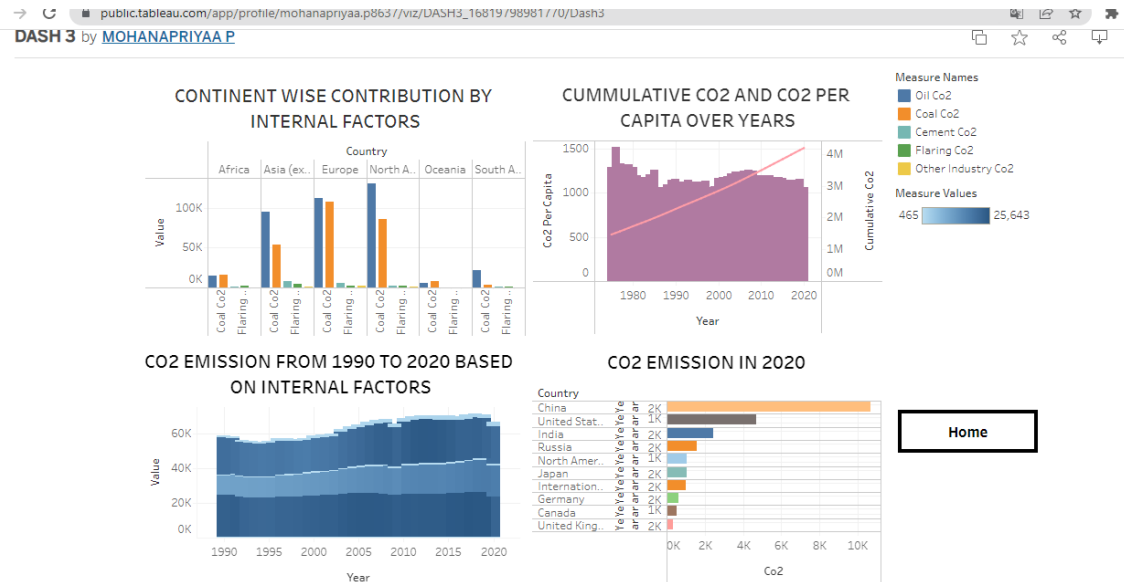
Carbon dioxide emissions are the primary driver of global climate change. It's widely recognised that to avoid the worst impacts of climate change, the world needs to urgently reduce emissions. By conducting an analysis the countries can identify areas for improvement and take steps to reduce factors that are responsible for Co2 Emission for environmental sustainability by improving the efficiency and transitioning to low carbon alternatives.

2. EMPHATHY MAP AND BRAINSTORMING

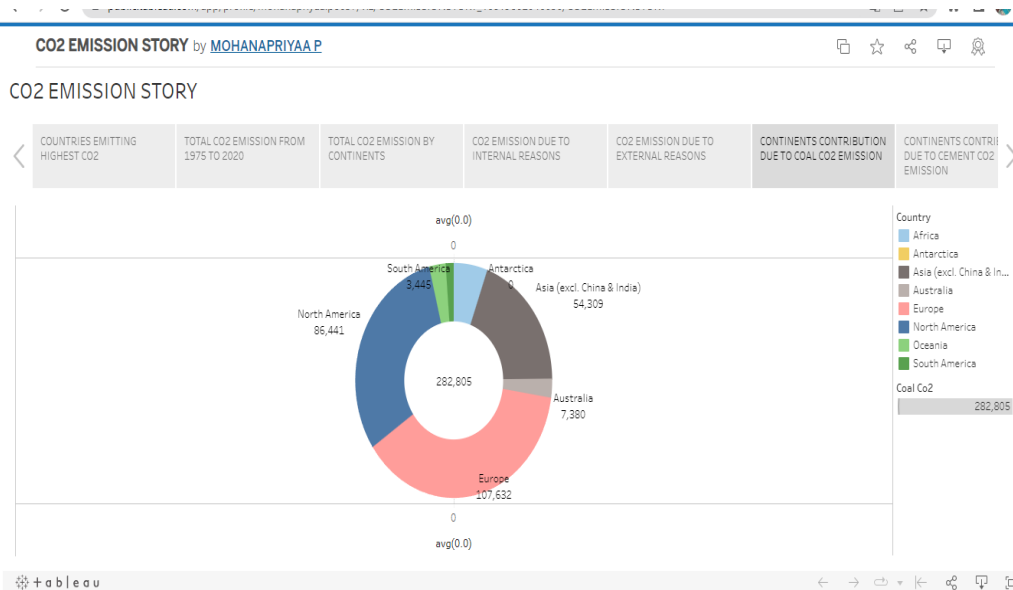
2.1 EMPHATHY MAP:

3.RESULT:





STORY:



4.ADVANTAGES AND DISADVANTAGES OF GLOBAL CO2 EMISSION:

ADVANTAGES:

- Removes the need for CO2 pipping to transport the gas to understand storage sites
- Allows the use of renewable energy and optimal storage sites
- Environmental benefits
- Development of cleaner technologies

- Green plants grow faster with more CO₂
- CO₂ is an important greenhouse gas that helps to trap heat in our atmosphere
- Lead to a heating of the earth's surface
- Reduce the probability of the most damaging effects of climate change on natural systems

DISADVANTAGES:

- Heat Waves – Already the deadliest extreme weather type, increase in CO₂ leads to increased Earth temperatures. ...
- Pollution – Pollution currently kills 9 million people per year
- Highest inhalation may lead to death
- Causes the climate to change due to global warming
- Symptoms of which include melting of the polar ice caps
- The rising of sea levels
- The disturbance of animals' natural habitat
- Extreme weather events
- And some negative impacts that are dangerous

5.APPLICATIONS:

- CO₂ is also widely used in food and beverage production, the fabrication of metal, cooling, fire suppression and in greenhouses to stimulate plant growth.
- The fabrication of metal
- Cooling
- Fire suppression
- And in greenhouses to stimulate plant growth
- Reducing these co-emitted air pollutants improves air quality and benefits human health.
- Air pollution and greenhouse gases are often released from the same sources, cutting greenhouse gas emissions
- In an effort to slow climate change also reduces air pollutants
- Such as fine particulate matter

6.CONCLUSION:

Limiting the global average temperature rise to no more than 1.5°C above pre-industrial levels will require all sectors of the economy to reach zero carbon dioxide (CO₂) emissions early in the second half of this century. Carbon capture and sequestration is an attractive option for reducing greenhouse gas emissions and could even help remove carbon dioxide from the atmosphere.

7.FUTURE SCOPE:

In the Annual Energy Outlook 2022 (AEO2022) Reference case, which assumes no changes to current laws or regulations, the U.S. Energy Information Administration (EIA) projects that U.S. energy-related carbon dioxide (CO₂) emissions will fall to 4.5 billion metric tons in 2037

8.APPENDIX:

A.SOURCE CODE:

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