

Introduction:

1.1 OVERVIEW:

Unearthing the environmental impact of human activity: a global CO2 emission analysis

Human activity has had a significant impact on the environment, and one of the most notable impacts is the increase in greenhouse gas emissions, particularly carbon dioxide (CO2). This increase in emissions is primarily due to the burning of fossil fuels for energy, transportation, and industrial activities. Reducing greenhouse gas emission can improve air quality and save lives. Reduce the CO2 emission from the factories.

Suggestions:

Increase awareness and adaptation response against climate change.

Plant more trees to reduce CO2 emission.

Encourage the usage of bicycles.

Increase the usage of Electric vehicles.

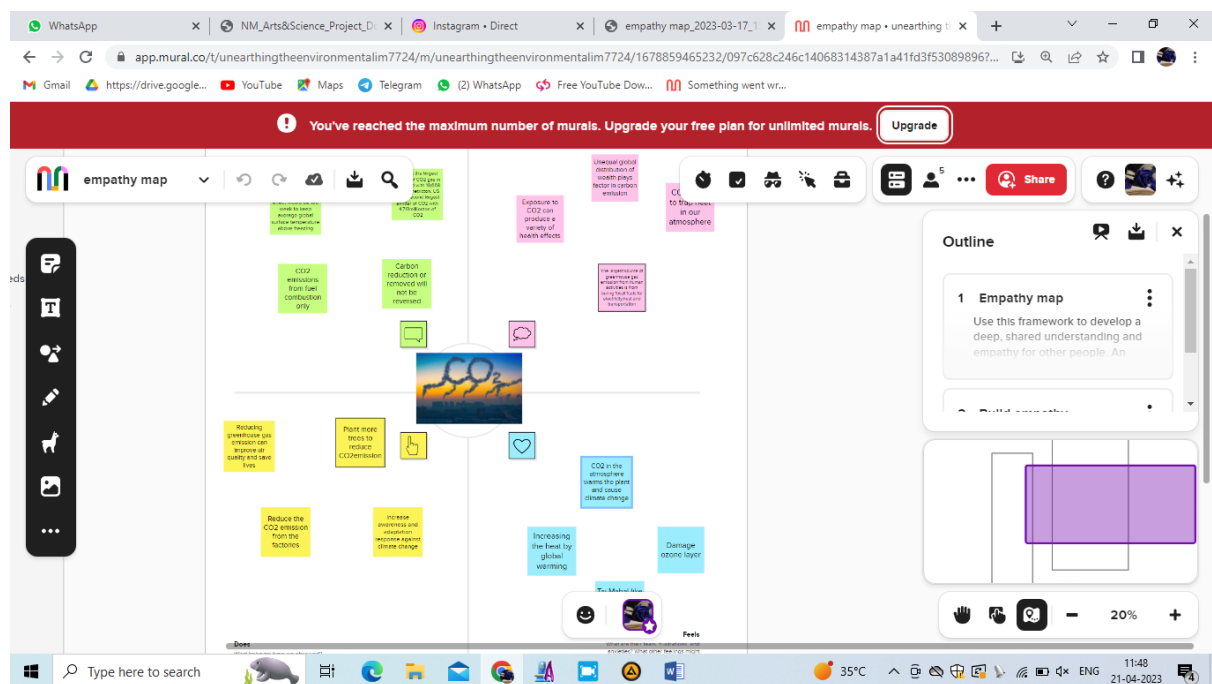
1.2 PURPOSE:

Without CO2 earth natural greenhouse effect would be too weak to keep average global surface temperature above freezing. Reduce the CO2 emission from the factories.

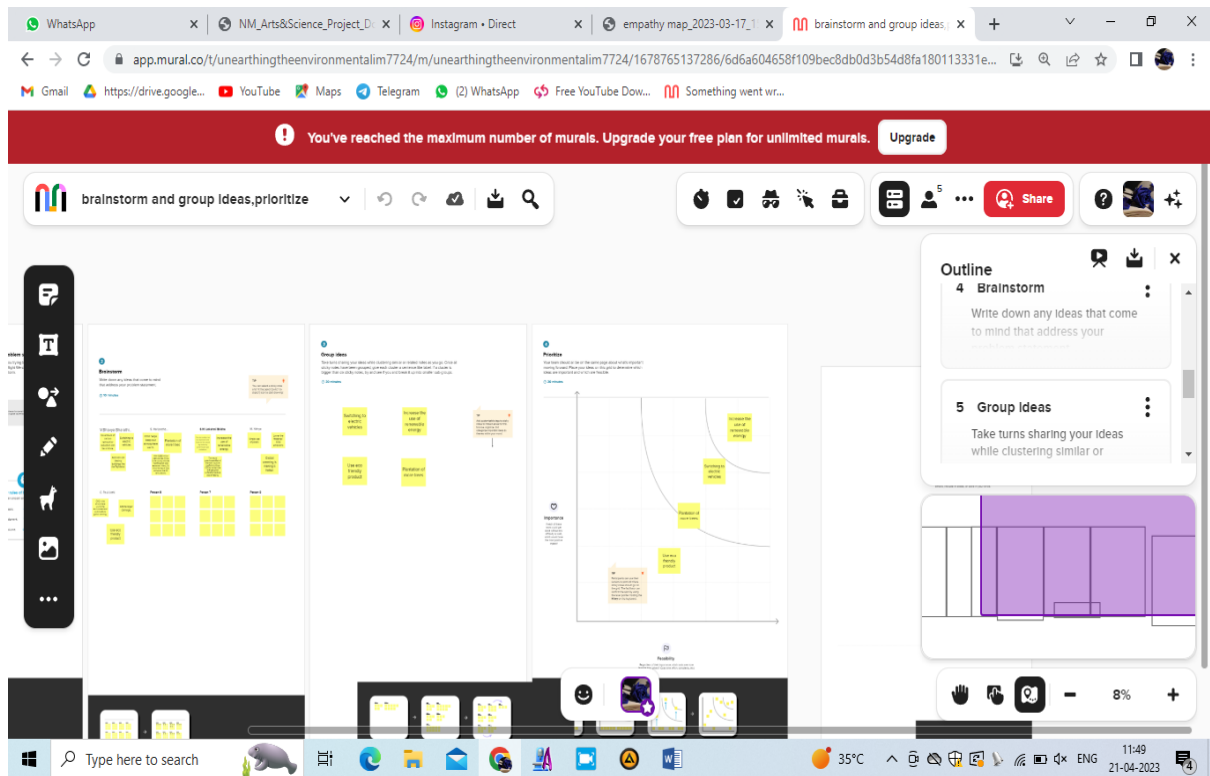
The reduction of CO2 emissions can have several positive impacts on both the environment and human health.

2. Problem definition and Design thinking:

2.1 EMPATHY MAP

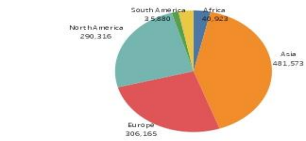


2.2 IDEATION AND BRAINSTORMING MAP

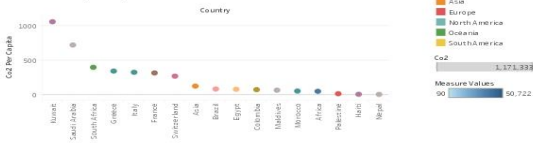


3. Result

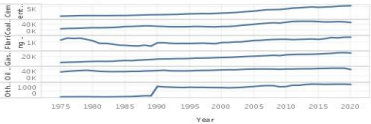
total emission by continent



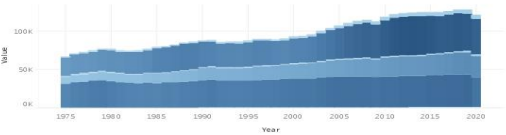
co2 emission per capita



emission rate by internal factor



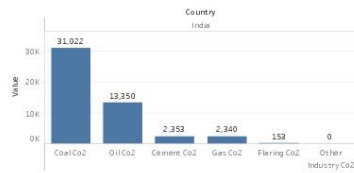
co2 emission from 1974 to 2002 based on Internal factors



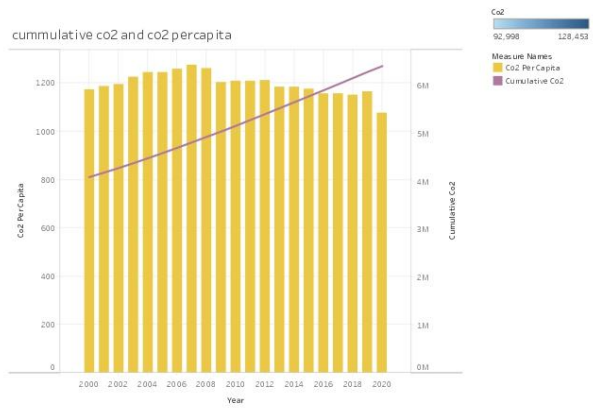
total co2 emission over time



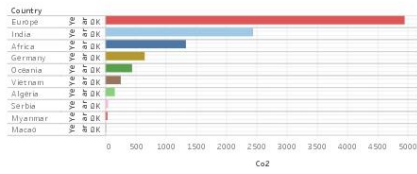
continent contribution



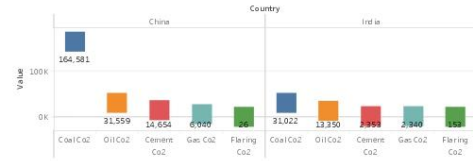
cummulative co2 and co2 percapita



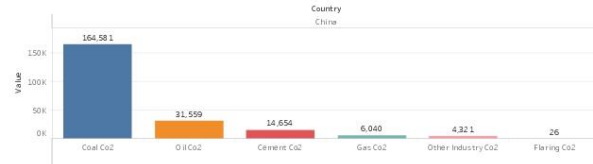
co2 emission in 2020



china vs india factors



overall contribution by china in co2



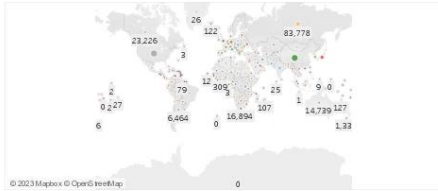
Country

- Africa
- Algeria
- Europe
- Germany
- India
- Macao
- Myanmar
- Omani
- Serbia
- Vietnam

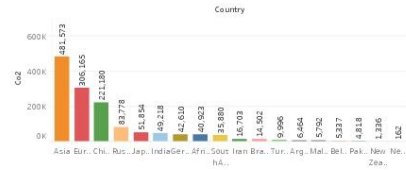
Measure Names

- Coal Co2
- Oil Co2
- Cement Co2
- Gas Co2
- Flaring Co2

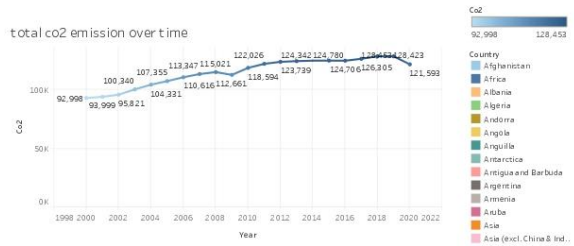
total world emission



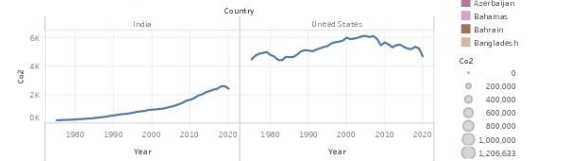
top emitting countries



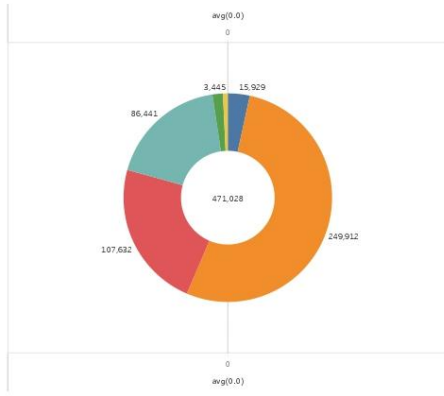
total co2 emission over time



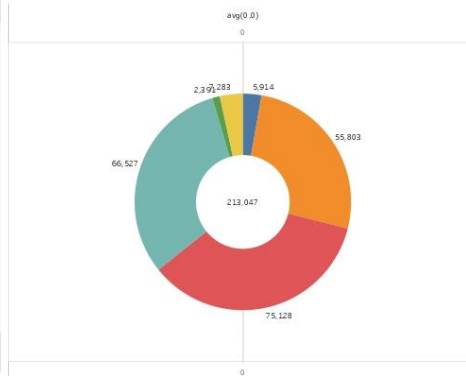
co2 emission india vs united state



coal co2 donut chart



donut gas co2



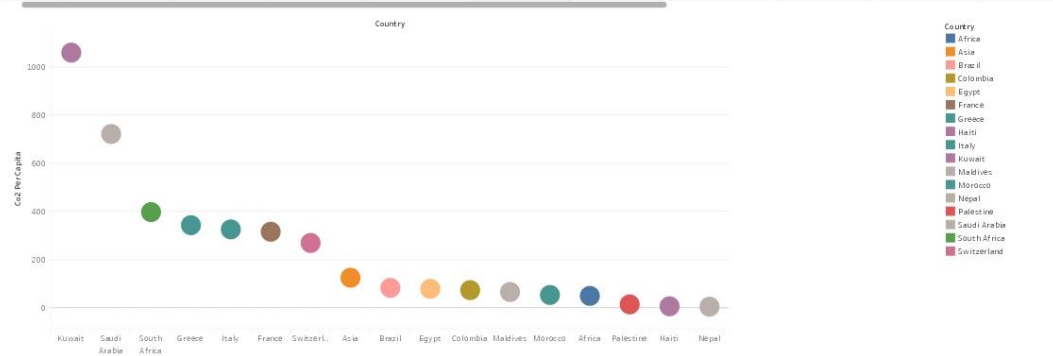
CoalCo2
471,028

Country
Africa
Asia
Europe
North America
Oceania
South America

GasCo2
213,047

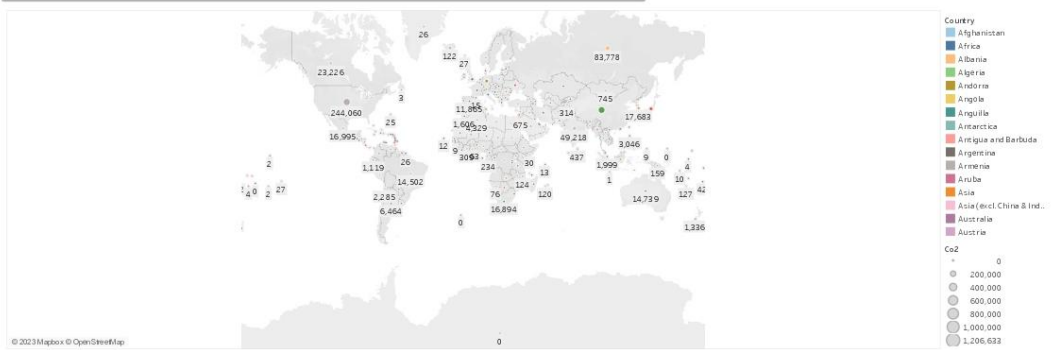
Story 1

Top world emission	Top emitting countries	total co2 emission over time	co2 emission india vs united state	total emission by continent	co2 emission per capita	co2 emission by international factor	emission rate over year	total co2 donut chart	gas co2 donut chart	continent contribution inc...
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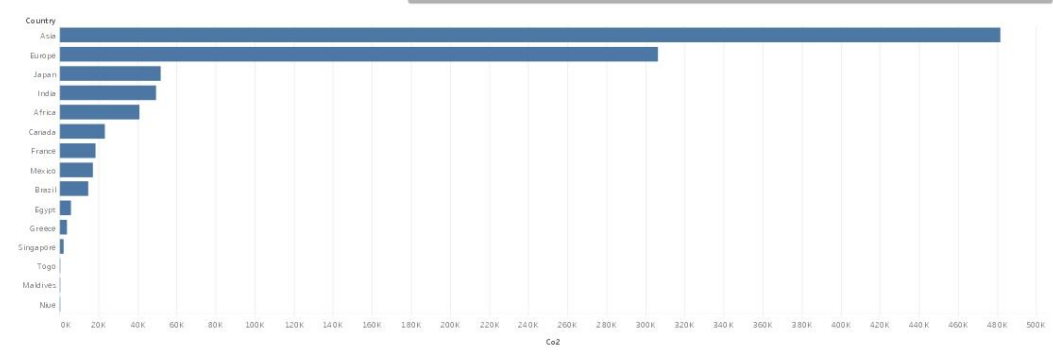
Story 1

Top world emission	Top emitting countries	total co2 emission over time	co2 emms in india vs united state	total emission by continent	co2 emms in per capita	co2 emission by international factor	emission rate over year	del co2 donut chart	gas co2 donut chart	continent...
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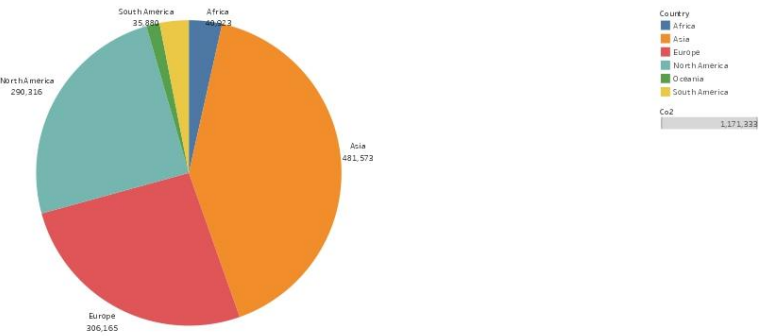
Story 1

co2 emission...	emission rate over year	coal co2 donut chart	gas co2 donut chart	continent contribution in co2 emission	cumulative co2 and co2 percapita	co2 emission in 2020	china vs india	overall contribution by china in co2 emission	co2 emission by other countries	co2 emission
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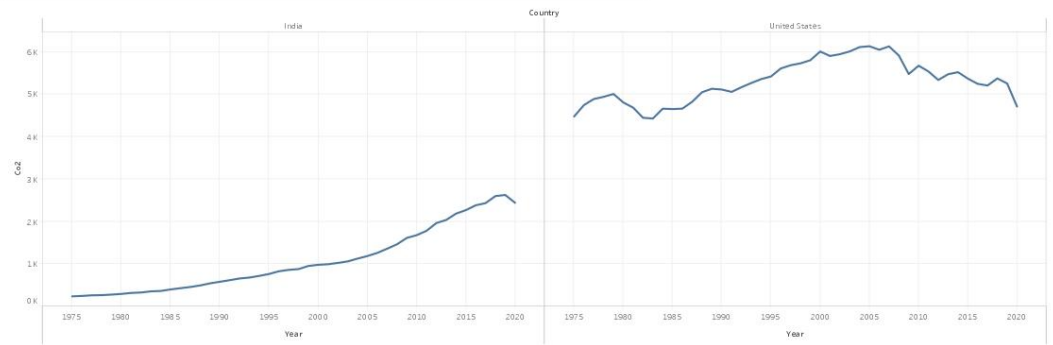
Story 1

Top world emission	Top emitting countries	total co2 emission overtime	co2 emissoin india vs united state	total emission by continent	co2 emissoin per capita	co2 emissoin by international factor	emission rate over year	del co2 donut chart	gas co2 donut chart	continent co2
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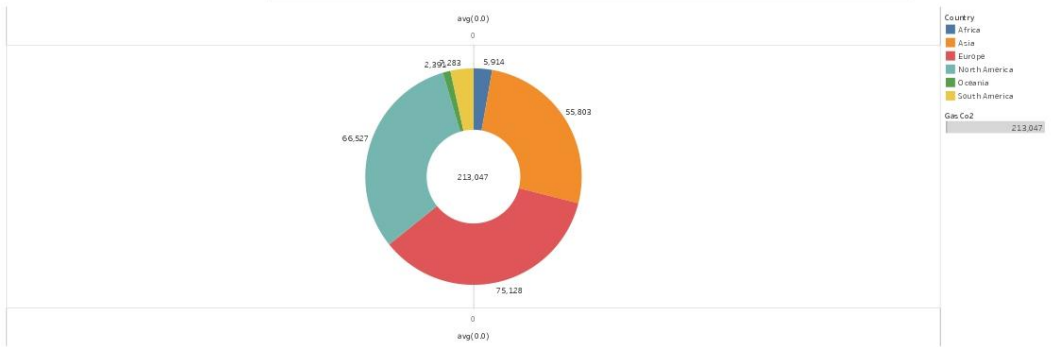
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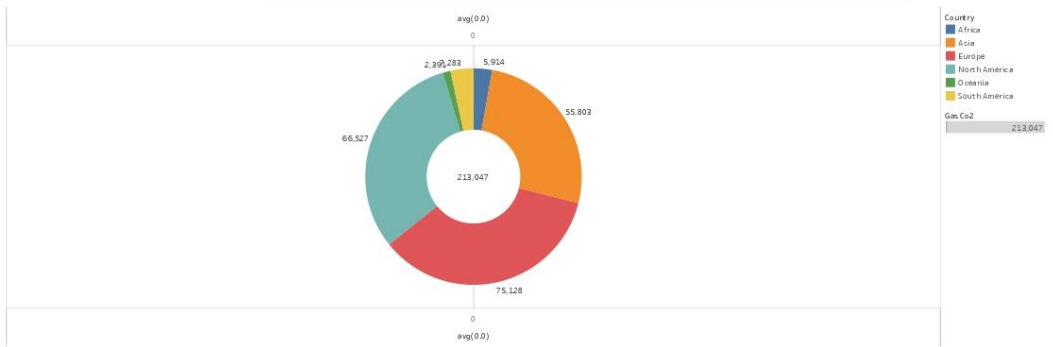
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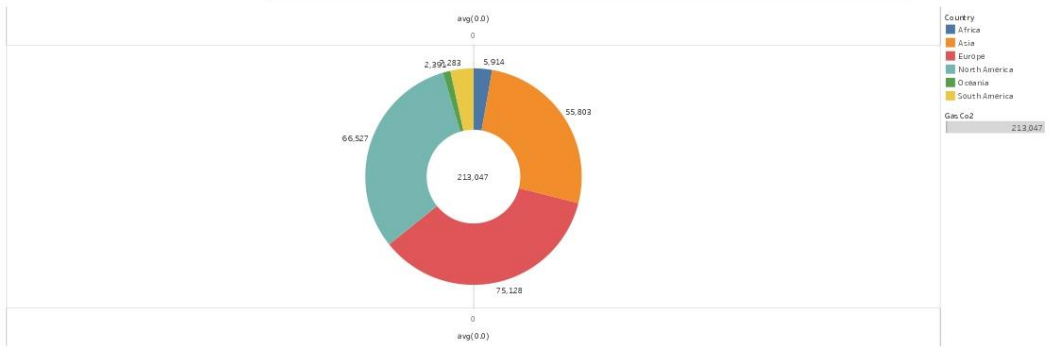
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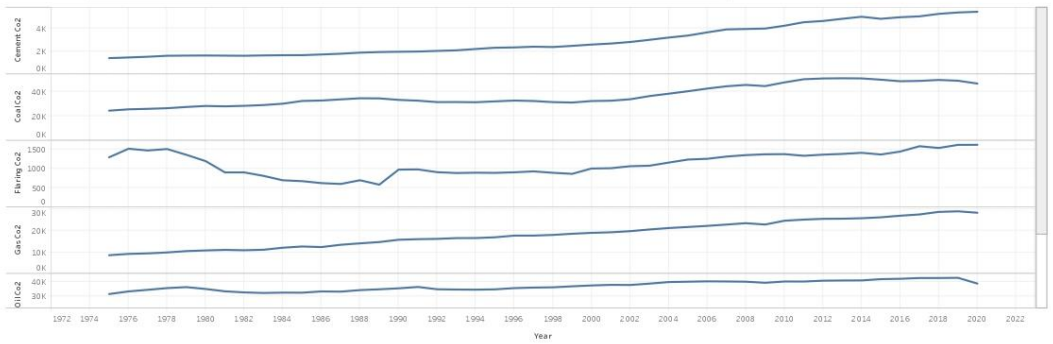
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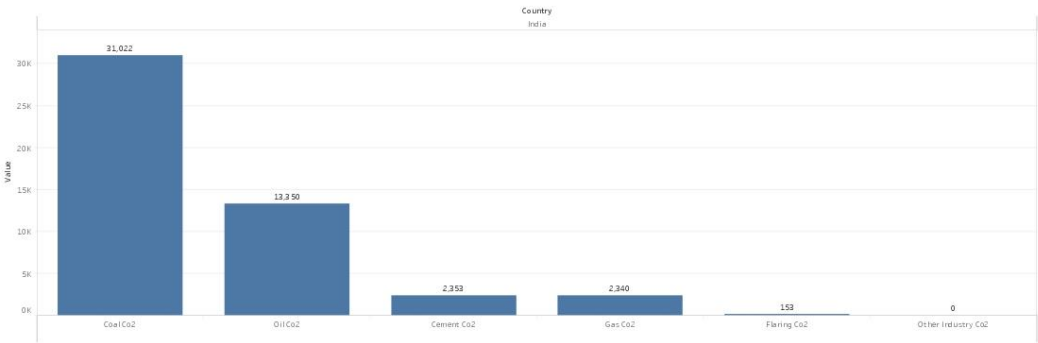
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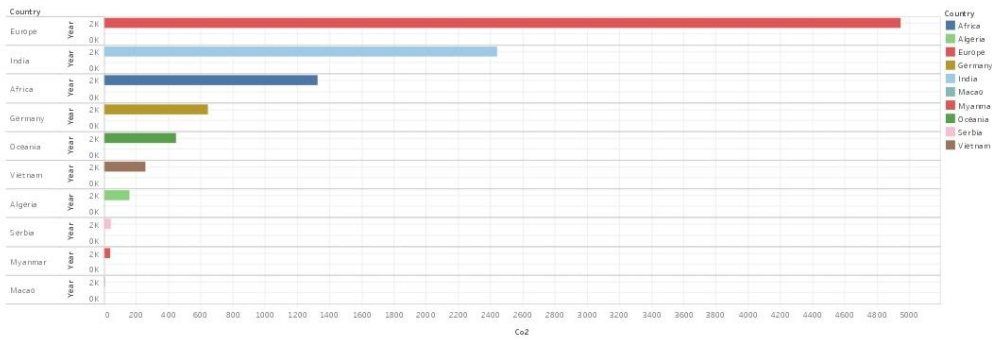
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co2 emission per capita	co2 emission by international factor	emission rate over year	coal co2 donut chart	gas co2 donut chart	combine contribution into co2 emission	cummulative co2 and co2 per capita	co2 emission in 2020	china vs india	overall contribution by china in co2 emission	co2 emission by other countries
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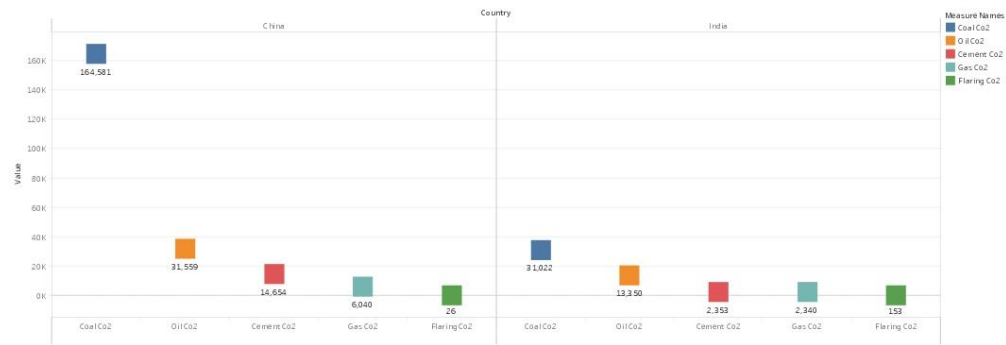
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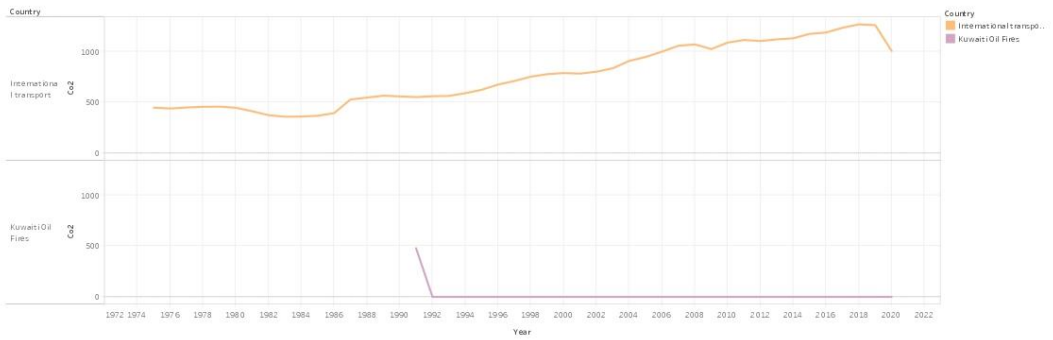
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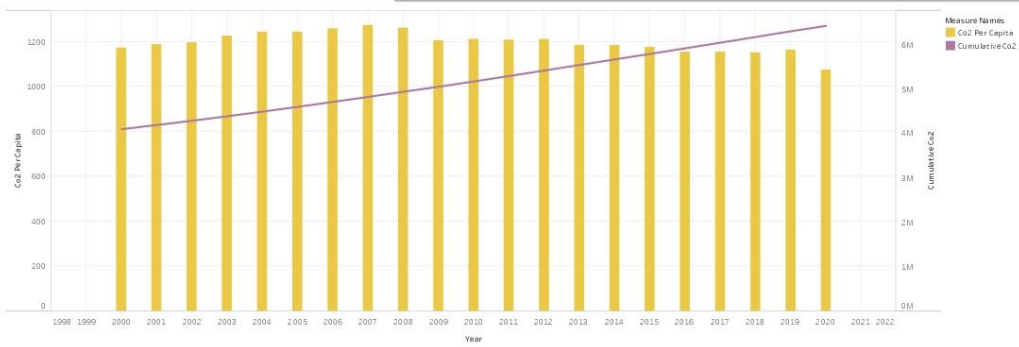
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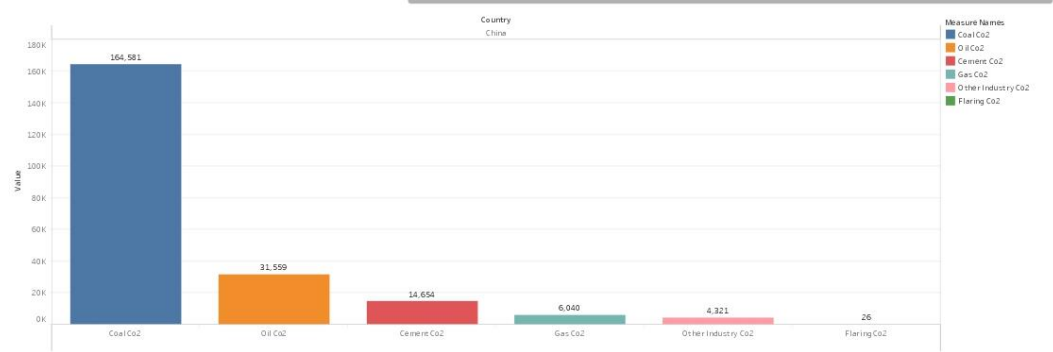
Story 1

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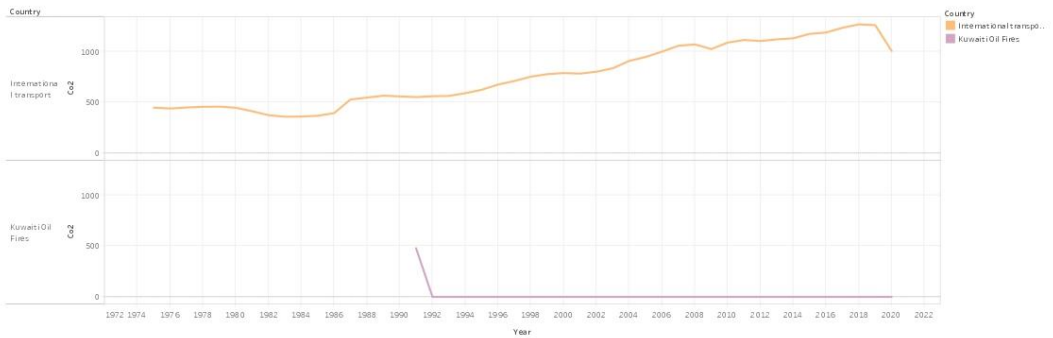
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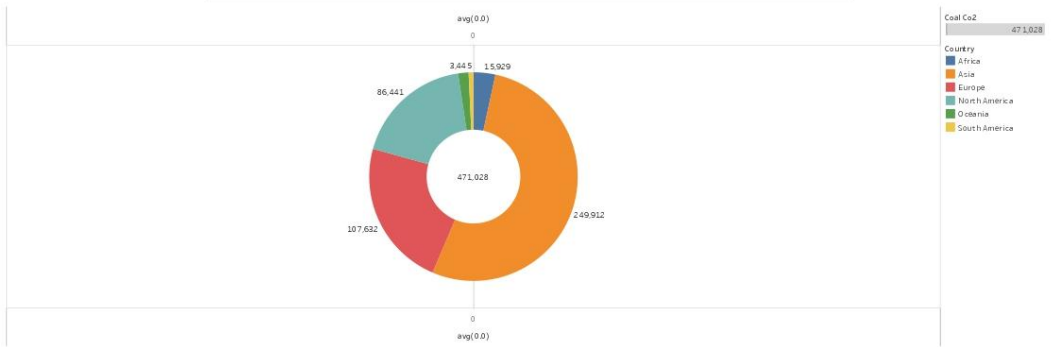
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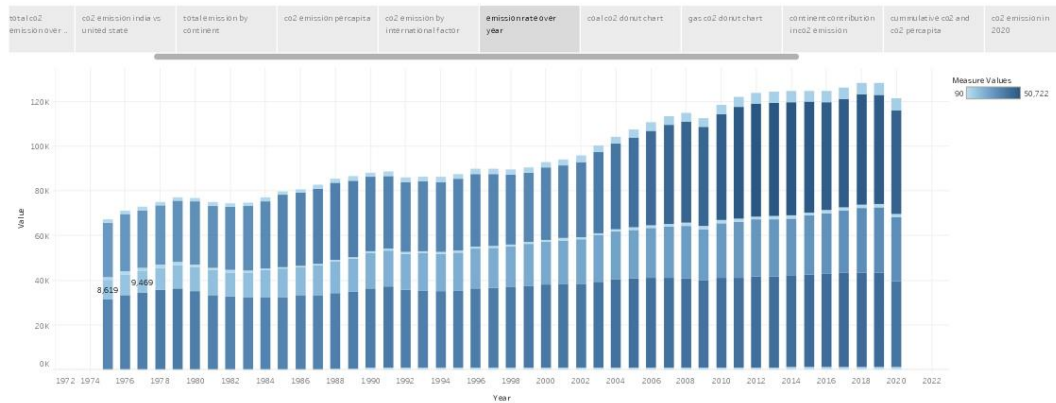


Story 1

co2 emission india vs unite...	total emission by continent	co2 emission per capita	co2 emission by international factor	emission rate over year	coalco2 donut chart	gas co2 donut chart	continent contribution into co2 emission	cummulative co2 and co2 per capita	co2 emission in 2020	china vs india
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Story 1



Advantages of co2 emission:

1. CO2 can be used to produce fuels.

2. With higher CO₂, green plants develop more quickly.
3. CO₂ is an essential component of the Earth's atmosphere and is required by plants for photosynthesis, which is the process by which they produce oxygen and organic compounds necessary for life.

Disadvantages of co₂ emission:

1. The primary contributor to climate change, which has been associated with increasingly frequent and severe natural disasters, rising sea levels, and the eviction of millions of people, is CO₂ emissions.
2. CO₂ emissions can have negative health impacts on humans, including respiratory problems and cardiovascular disease.
3. CO₂ emissions can also damage the environment, including acidification of oceans, which can harm marine life, and damage to ecosystems due to changing climate patterns.

Application:

1. Plant more trees. Trees absorb co₂ from the environment.

2. Bring reusable shopping bags and avoid products with excessive plastic packaging.

Solution:

There are several solutions to reduce CO₂ emissions, including:

1. Using renewable energy sources such as solar, wind, and hydropower can help reduce CO₂ emissions. By generating electricity from renewable sources, we can reduce the use of fossil fuels and the emissions that result from burning them.
2. Avoiding the use of single occupancy vehicles through carpooling, riding transit, biking or walking to work and errands is one way to reduce emissions from transportation.

Conclusion :

In conclusion, CO₂ emissions are a significant contributor to climate change and global warming. The burning of fossil fuels, deforestation, and industrial activities are the primary sources of CO₂ emissions. To mitigate the impact of these emissions on the environment, various measures can be taken, including carbon capture and storage, renewable energy development, energy efficiency improvements,

sustainable agriculture and forestry practices, carbon pricing and emissions trading, and education and awareness campaigns. Reducing CO2 emissions and transitioning to a low-carbon economy is essential to ensure a sustainable future for our planet.