Project Report Template

1 INTRODUCTION

1.1 Overview

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. The data throws light onto how much fossil fuels are burnt, per year per nation, which amounts to an increase in CO2 every year. 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

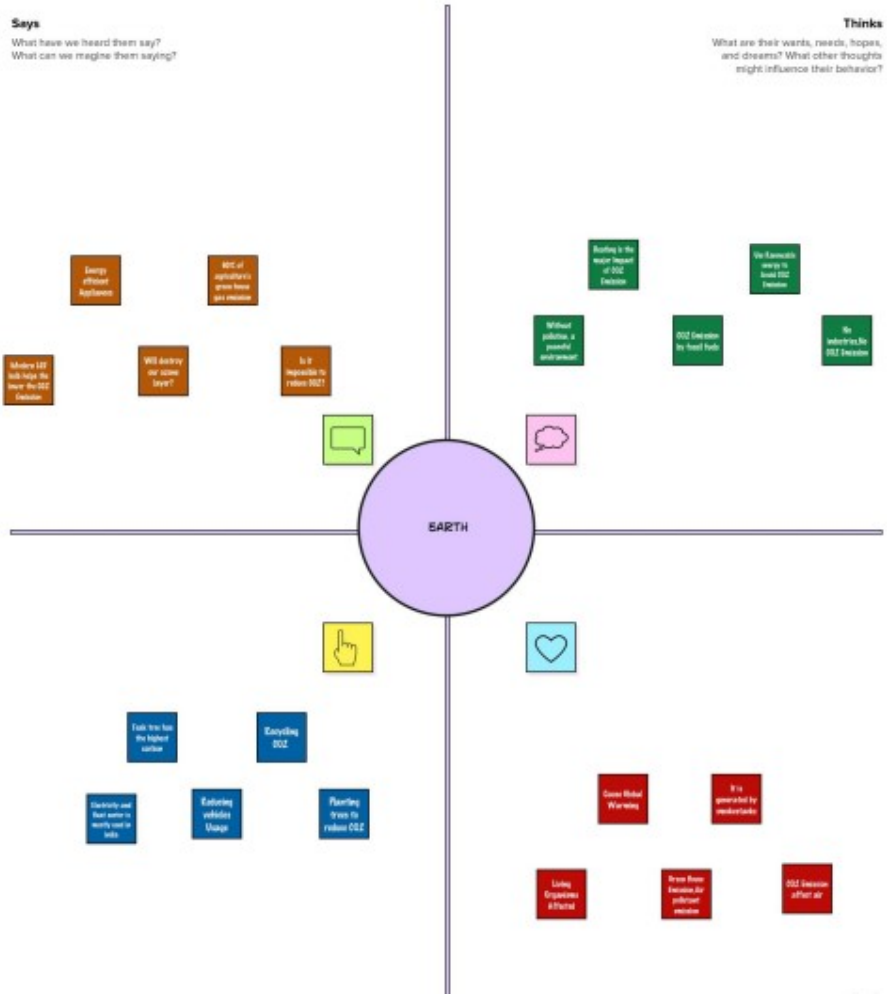
The purpose of this project is to analyse how much amount of Co2 emitted per year throughout country wise and region wise. And to set a goal to decrease Co2 emission.

2 Problem Definition & Design Thinking

2.1 Empathy Map

Build empathy

The information you add here should be representative of the observations and research you've done about your users.



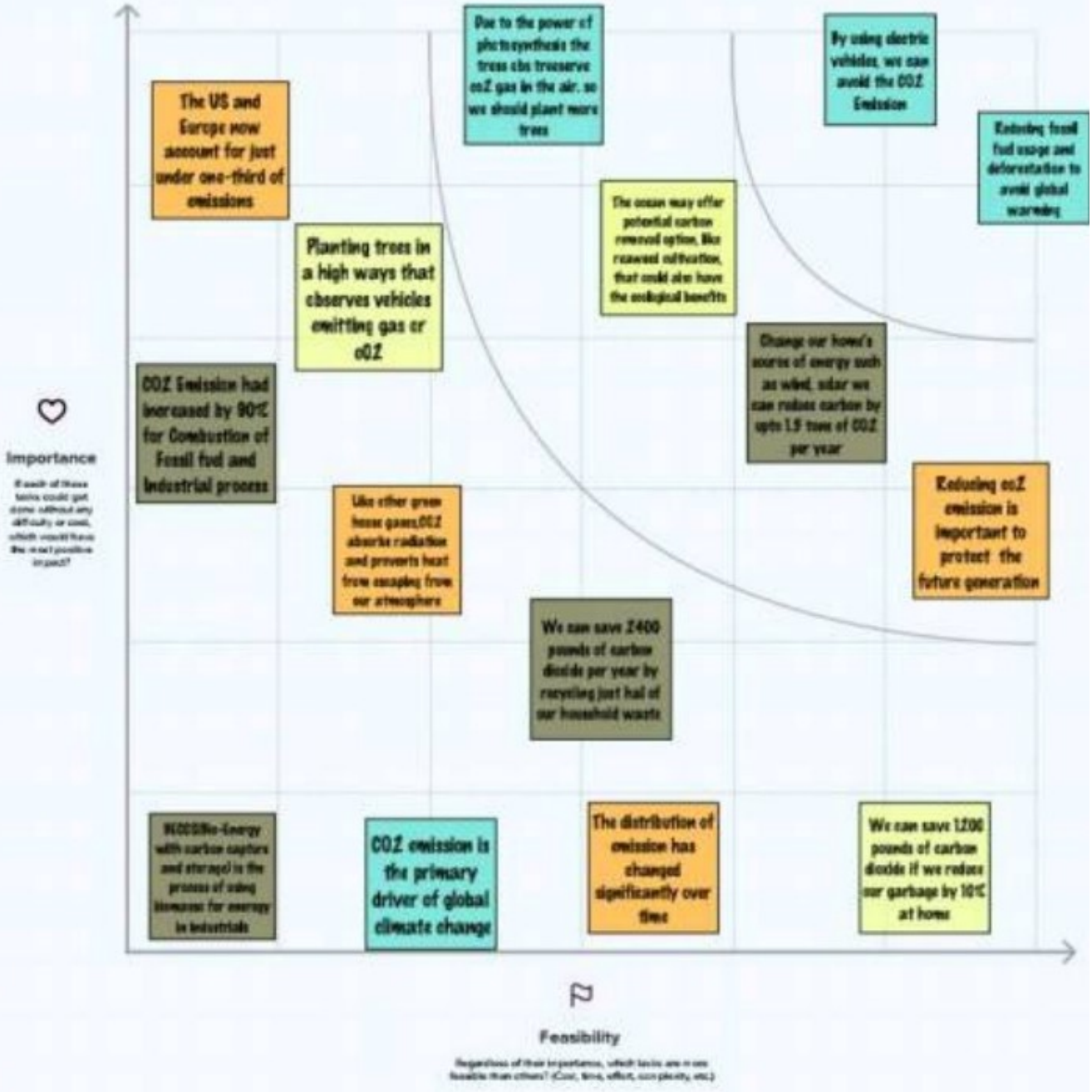
2.2 Ideation & brainstorming map Screenshot:

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



Brainstorm

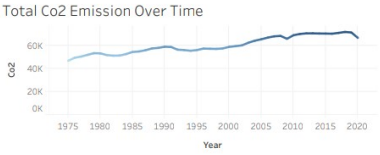
Write down any ideas that come to mind that address your problem statement.

10 minutes

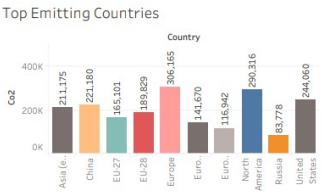
Person 1	Person 2	Person 3	Person 4
We can save 1200 pounds of carbon dioxide if we reduce our garbage by 10% at home	Reducing fossil fuel usage and deforestation to avoid global warming	We can save 2400 pounds of carbon dioxide per year by recycling just hal of our household waste	The US and Europe now account for just under one-third of emissions
The ocean may offer potential carbon removal option, like seaweed cultivation, that could also have the ecological benefits	By using electric vehicles, we can avoid the CO2 Emission	BECCS(Bio-Energy with carbon Capture and storage)is the process of using biomass for energy in industrials	Reducing CO2 emission is important to protect the future generations
Planting trees in a high ways that observes vehicles emitting gas or c02	CO2 emission is the primary driver of global climate change	CO2 Emission had increased by 90% for Combustion of Fossil fuel and Industrial process	The distribution of emission has changed significantly over time
We can recycle the co2 by reacting it with certain minerals to form chalk and concrete,etc..,	Due to the power of photosynthesis the trees observes CO2 gas in the air. so should plant more trees	Change our home's source of energy such as wind, solar we can reduce carbon by upto 1.5 tons of CO2 per year	Like other green house gases, CO2 absorbs radiation and prevents heat from escaping from our atmosphere

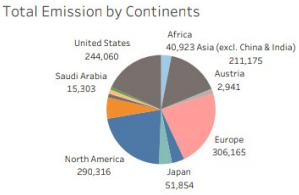
3 Result

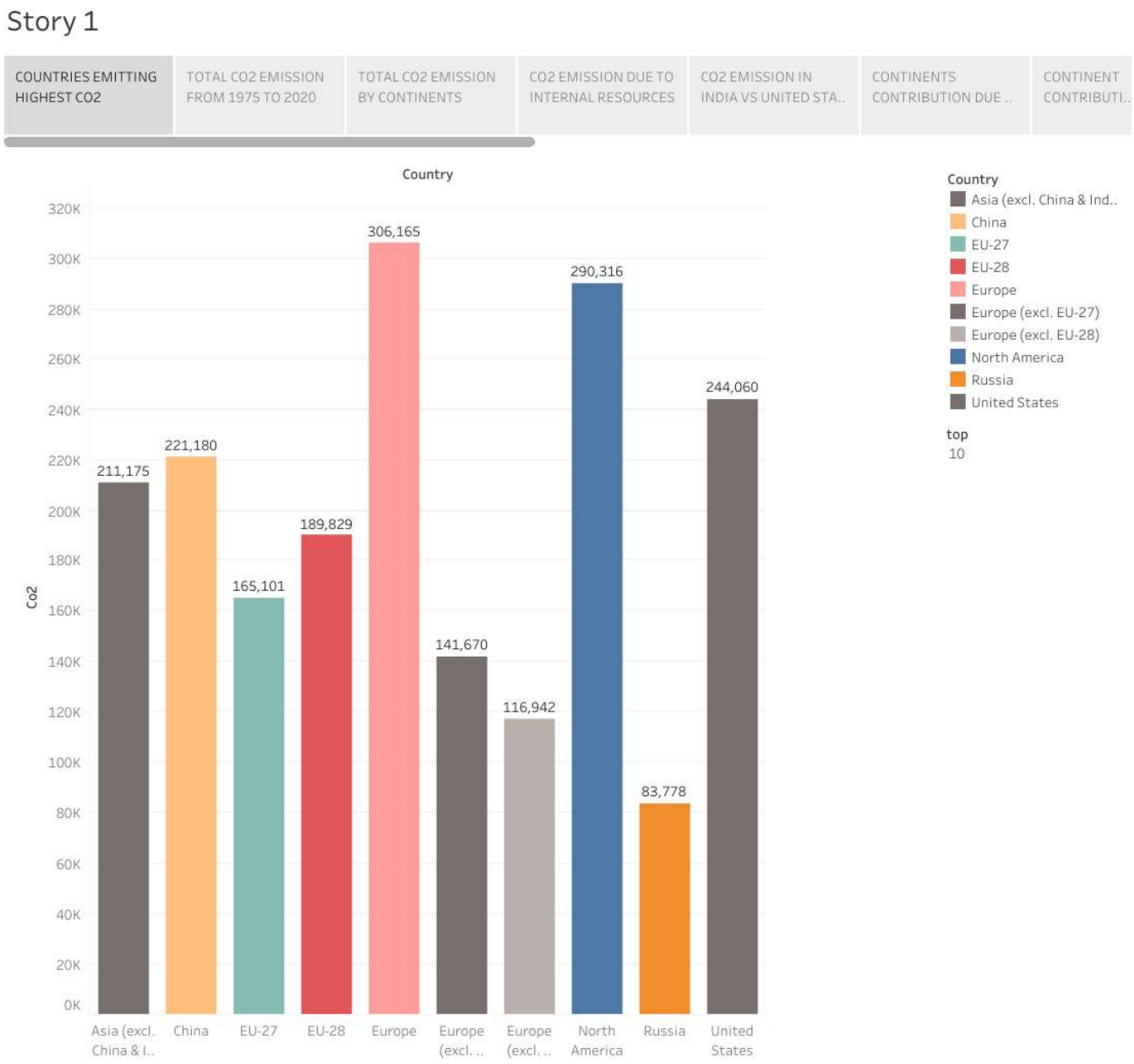

Total World Emission
© 2023 Mapbox © OpenStreetMap


Total Co2 Emission Over Time
Co2
60K
40K
20K
0K
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year


Country
Afghanistan
Africa
Albania
Algeria
Andorra
Angola
Anguilla
Antarctica
Antigua and Barbuda
Argentina
Armenia
Aruba
Asia (excl. China & Ind..
Australia
Austria
Co2
46,696
71,552
Next


Top Emitting Countries
Country
Co2
400K
200K
0K
211,175
221,180
165,101
189,829
306,165
141,670
116,942
290,316
83,778
244,060
Asia (e..
China
EU-27
EU-28
Europe
Euro...
Euro...
North America
Russia
United States


Total Emission by Continents
United States
244,060
Africa
40,923
Asia (excl. China & India)
211,175
Saudi Arabia
15,303
Austria
2,941
Europe
306,165
North America
290,316
Japan
51,854



4 ADVANTAGES & DISADVANTAGES

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

5 APPLICATIONS

The business requirements for analysing the Co2 Emission Globally over time, identifying affecting factors, creating interactive dashboards and reports, identifying areas for improvement, making data-driven decisions, comparing to countries average and creating forecasting models for future performance. The ultimate goal is to gain insights and reduce the emission through data visualization techniques.

6 CONCLUSION

We found that data for amount of Co2 emitted per year country wise and region wise and also achieved our goal of reducing the Co2 level . Our data will help researchers and environment experts to predict global warming.

7 FUTURE SCOPE

Through this we will reduce the Co2 level in the environment and also reduce the cause of global warming.

8 APPENDIX

Source code

intex.html