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

1. INTRODUCTION:

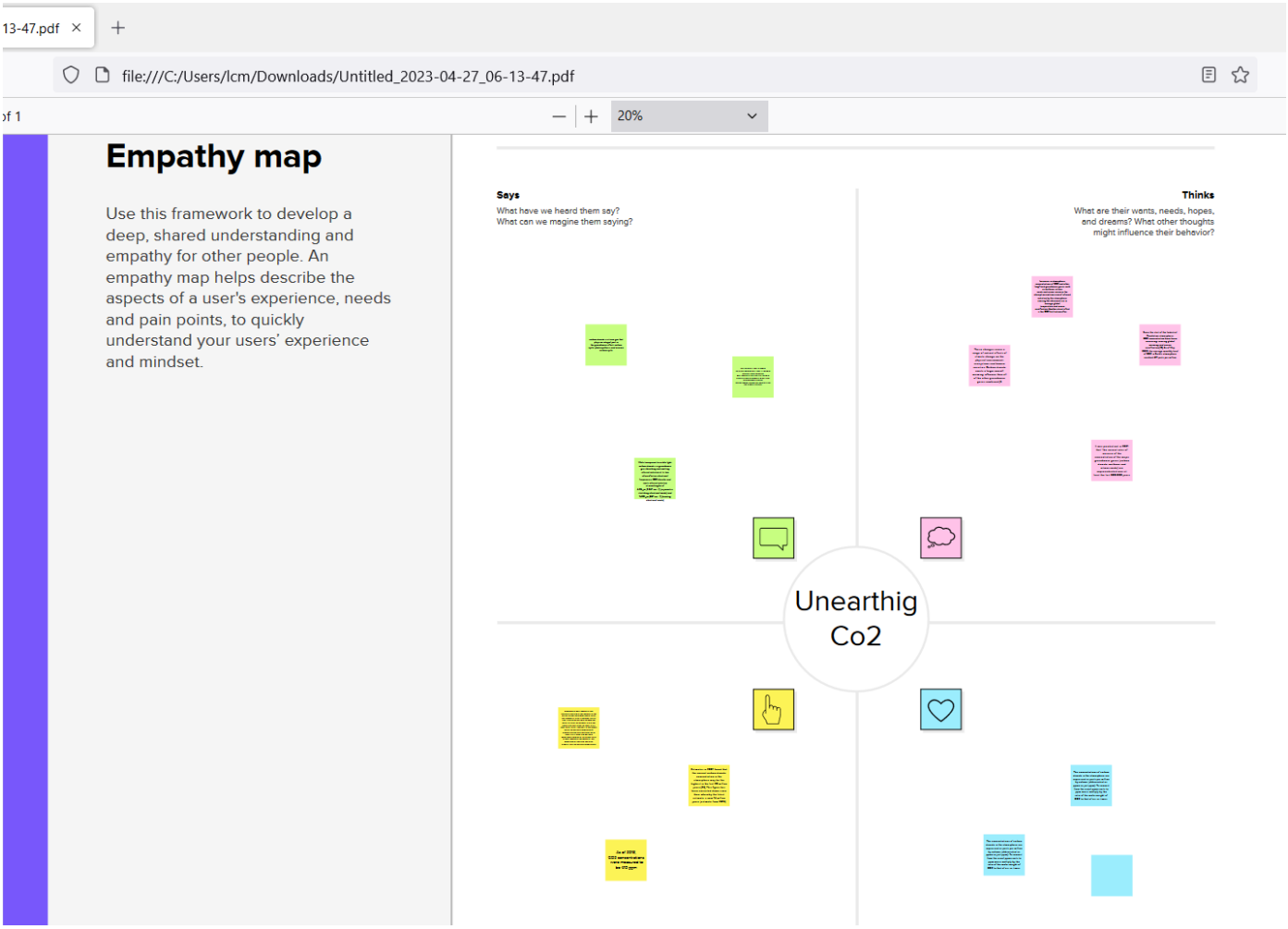
1.1 Overview

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.

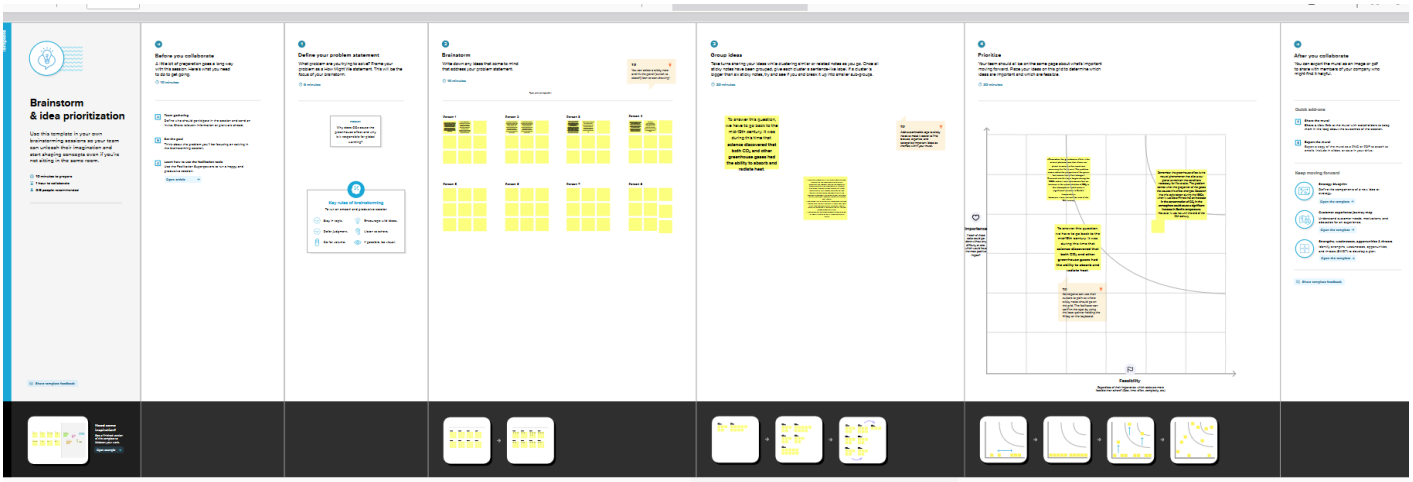
Analyzing Global Co2 Emission across countries from 1975 to 2020. This dataset contains a record of CO2 Emission by each Country and Region of Earth, here we are going to analyze and visualize Country wise, Region wise and Overall CO2 Emission on Earth

2. PROBLEM DEFINITION & DESIGN THINKING:

2.1 Empathy Map

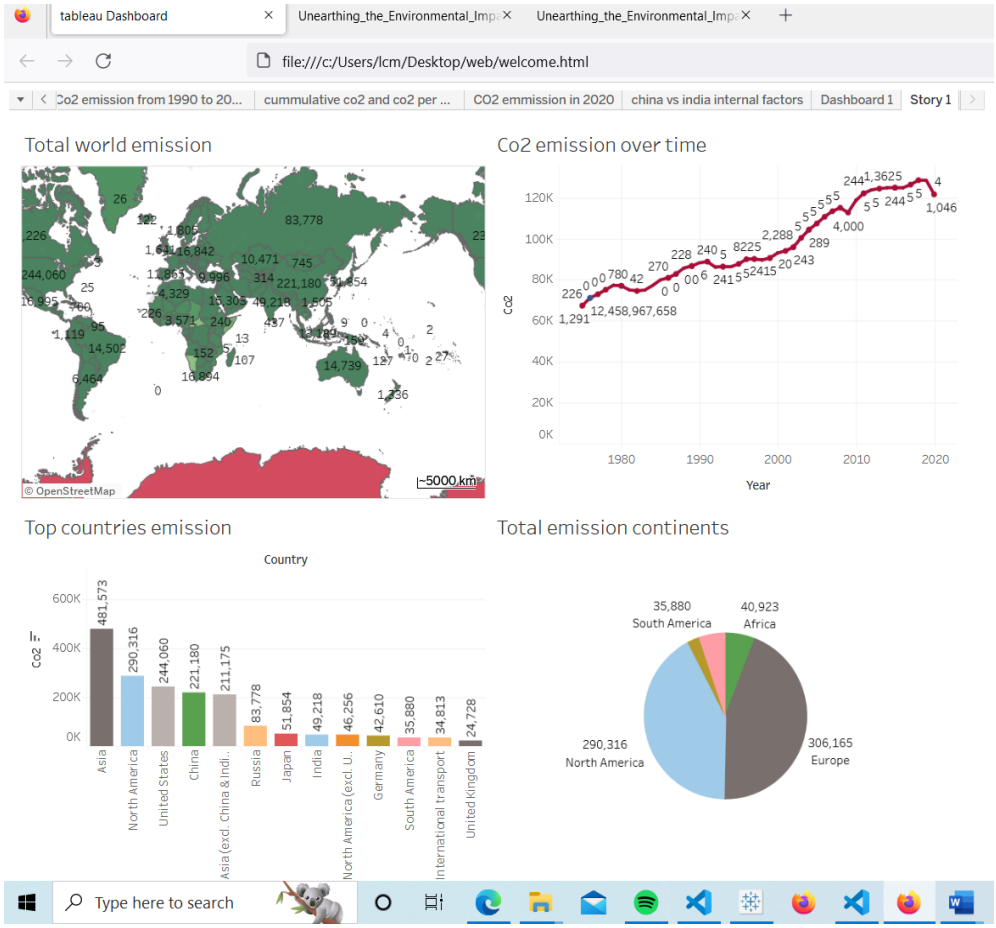


2.2 Ideation & Brainstorming Map:



3. RESULT :

Story

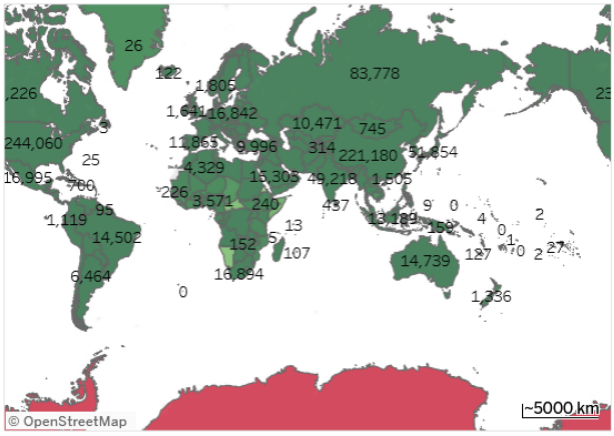


Dashboard

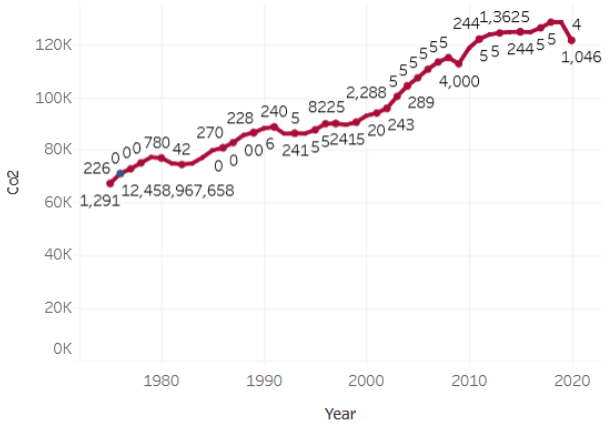
file:///c:/Users/lcm/Desktop/web/welcome.html

Co2 emission from 1990 to 20... | cummulative co2 and co2 per ... | CO2 emmission in 2020 | china vs india internal factors | **Dashboard 1** | Story 1

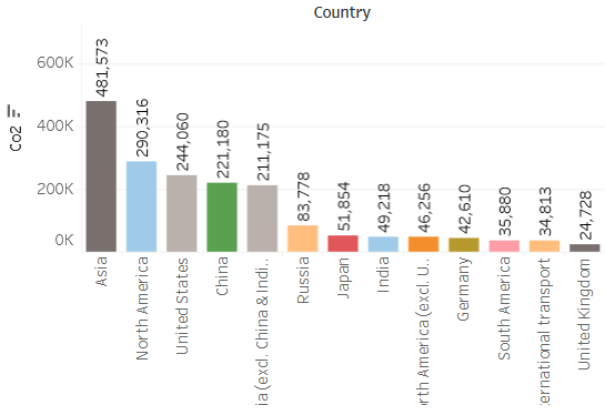
Total world emission



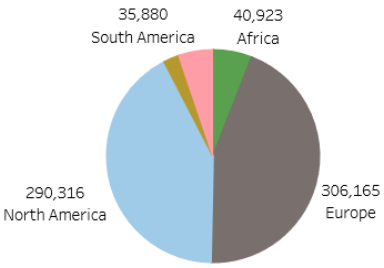
Co2 emission over time



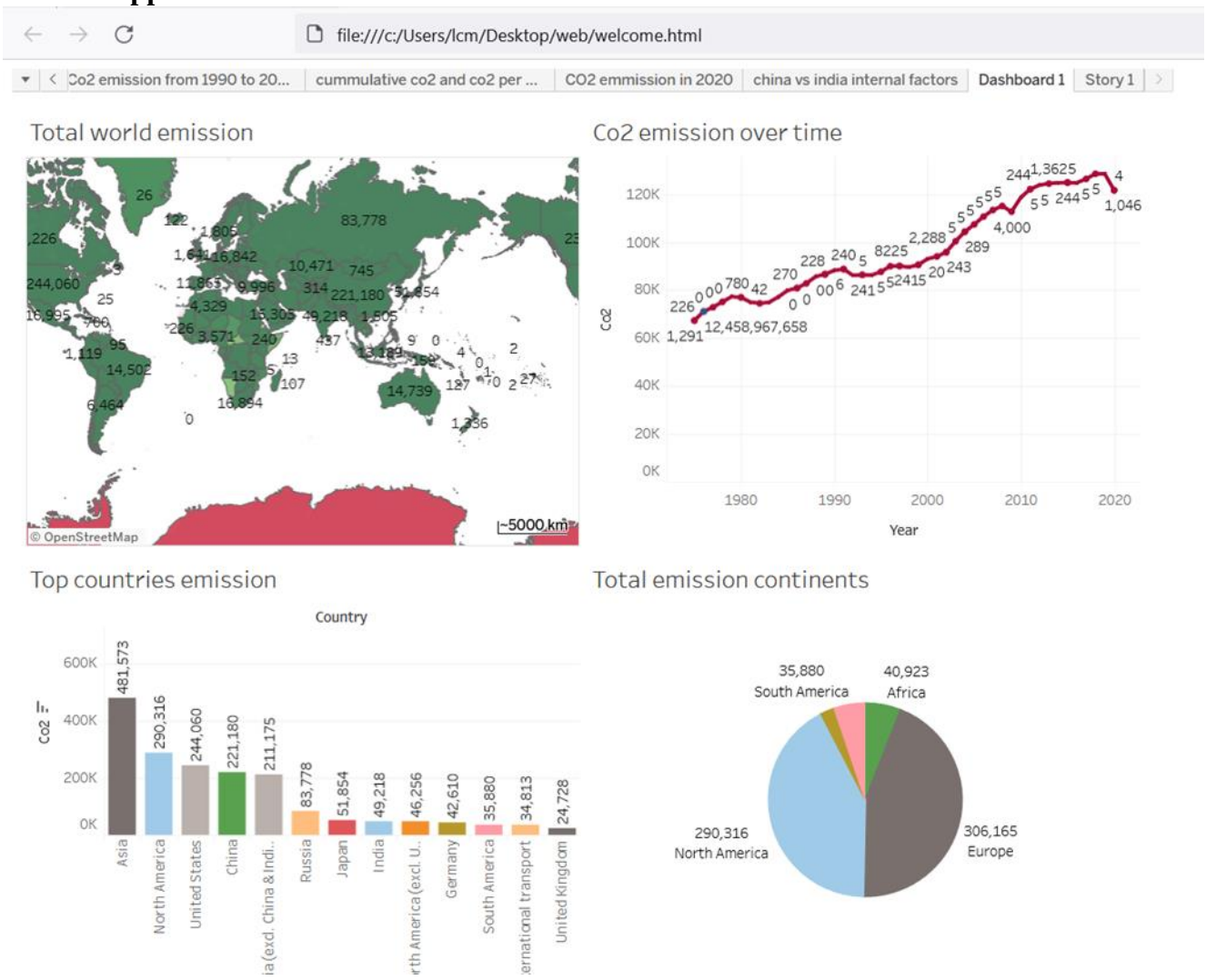
Top countries emission



Total emission continents



Web application:



4. The Advantages & Disadvantages of Carbon Dioxide

Food Processing The global food industry depends on CO2 for short-term and long-term refrigeration of food products. Plant Growth The Endowment for Medical Research cites university studies that show increasing the level of CO2 to 550 parts per million (ppm) speeds up plant growth as much as 40 percent in a controlled greenhouse environment. ...Greenhouse Gas Emissions ...Toxicity ...

5 .APPLICATIONS:

The global CO2 emissions and energy demand numbers are based on the IEA's detailed region-by-region and fuel-by-fuel analysis, drawing on the latest official national data and publicly available energy, economic and weather data. Combined with the methane emissions estimates published by the IEA and estimates of nitrous oxide and flaring related CO2 emissions, this new analysis shows that overall greenhouse gas emissions from energy rose to their highest ever level in 2021

6.CONCLUSION:

CO_2 emissions include emissions from all uses of fossil fuels for energy purposes, including emissions from the combustion of non-renewable waste. The scope of emissions covered in this year's *Global Energy Review* has been expanded to also include CO_2 emissions from industrial processes such as cement, iron and steel, and chemicals production. Estimates of industrial process emissions draw upon the latest statistical data on clinker production for cement and steel production, and relevant chemicals data. CO_2 emissions from the combustion of flared gases are also included for the first time.