Project Proposal - Group4

Evidence(s) of global climate change - Grace, Farzana, Navin, Salma

Global warming and climate changes unfortunately are the direct result of the human civilisation.

We were moved by a data visualisation that demonstrated the increase in rainfall over South Asia1.

This led us to wanting to prove for ourselves that the climate changing is having a devastating impact on populations globally. In order to establish this we needed to prove three things: 1. The climate is changing, 2. It is a direct effect of human activities 3. It is having real world impact with regards to the following aspects either globally or in certain part of the world.

This also led us to question what are the biggest drivers of climate change e.g., greenhouse gases, manufacturing.

(a) increased rainfall {south Asia monsoon becoming more extreme}

(b) forest fire

(c) increased greenhouses gases emission

(d) heat waves

each person can take one aspect from the above-

(1) gather dataset

(2) merge datasets

(3) analyse data for insights

(4) create visualisation(s)

(5) perform stats

(6) create presentation to present own branch of work

Sources of dataset

Heatwave: <https://www.kaggle.com/code/sevgisarac/climate-change/data>

Rainfall: <https://www.kaggle.com/datasets/aryakrishnanar/average-rainfall-and-temperature-in-uk20102019/metadata>

Greenhouse gases: https://www.kaggle.com/code/avanishsingh007/green-house-gas-historical-emission-data-analysis

Forest fire: https://www.kaggle.com/datasets/sumitm004/forest-fire-area

References:

1. <https://www.nytimes.com/interactive/2022/10/04/climate/south-asia-monsoon-climate-change.html>