**Project 3**

**Total Emissions per Country (2000-2020)**

**Group Members (Tasks):**

1. Neha Erande (Flask and serving Json)
2. Laszlo Kiss (Data Engineering and Database Creation)
3. Ina Luo (Plotly Charts and dropdown)
4. Usama Bin Nasar (Leaflet Map)

**Steps:**

1. Find Datasets
2. Ask questions
3. Choose Visualizations.

**Dataset:**

<https://www.kaggle.com/datasets/justin2028/total-emissions-per-country-2000-2020>

**Ask questions:**

* Top 20 countries responsible for maximum emissions
* G-20 countries
* Which year has the maximum emissions?

**What to present?**

* A drop-down menu to select countries.
* line chart of emissions growth or decrease for every country for the last 20 years
* A pie chart of all the countries which highlights the contribution of the selected country.
* Global Map with Marker sizes depending on contribution with pop-ups of information regarding emission contribution (on click/ hover).

**Tools**

* SQLite
* Flask (API) hosting
* D3 and plotly.js for visualizations
* Leaflet.js for Maps visualizations