**Project Title:** Sustainable Energy And Weather

**Team Members:** Danik Lafrance, Khadija Fahr, Yosieph Fissuh

**Project 1 Description:** The relationship between weather patterns and use of sustainable energy in different countries (176 countries).

**Research Questions:**

1. What are the top 10 countries for energy consumption? **(Primary energy consumption per capita (kWh/person)**
2. Top improved countries (5) (last 5 years) for sustainable energy (**Renewable energy share in total final energy consumption (%) vs Value\_co2\_emissions (metric tons per capita), Renewable-electricity-generating-capacity-per-capita**
3. What are the top 10 countries with the highest and lowest average temperature? (weatherstack)
4. Is there any correlation between datasets?

**Datasets to be used:** weatherstack.com, <https://www.kaggle.com/datasets/anshtanwar/global-data-on-sustainable-energy>, https://www.kaggle.com/datasets/nelgiriyewithana/countries-of-the-world-2023

**Rough Breakdown of Tasks:**

Danik: 3, 4 (Weather) + Correlation

Khadija: 1 (Energy Consumption)

Yosieph: 2 (Improved Countries)