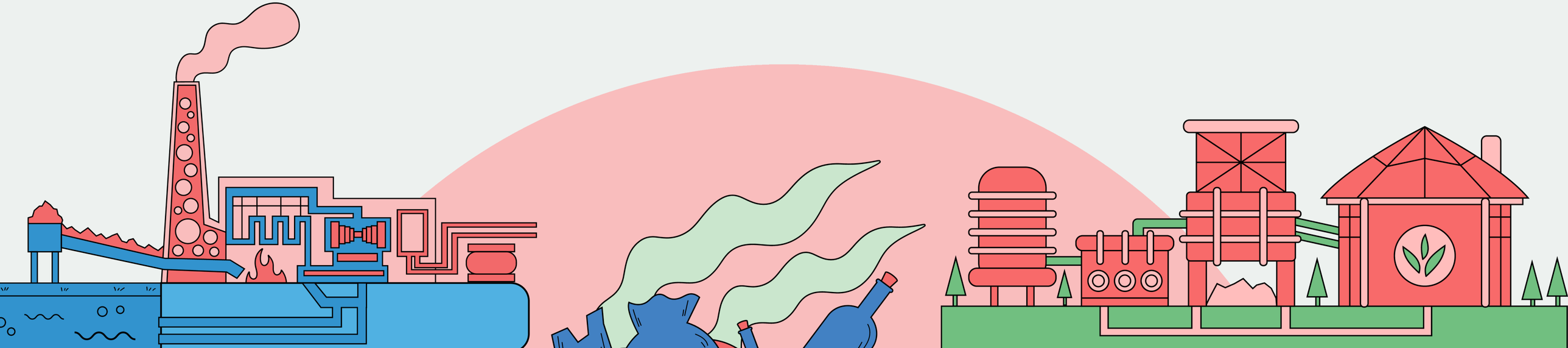
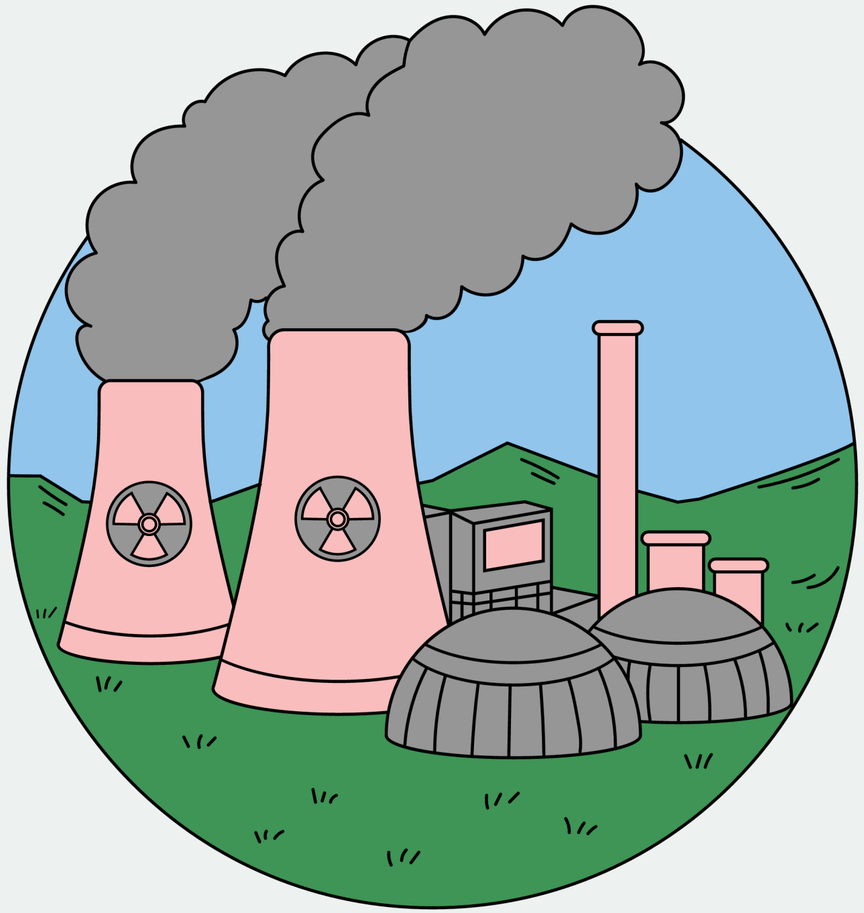
Renewable Energies

Noor Ali



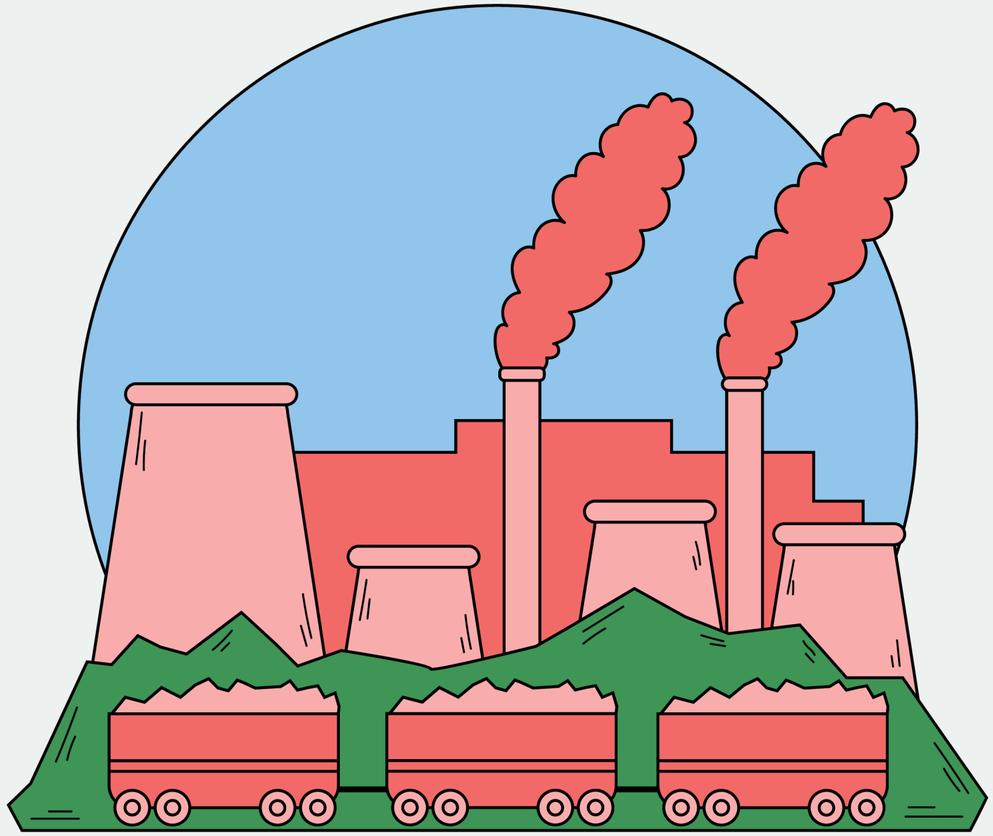


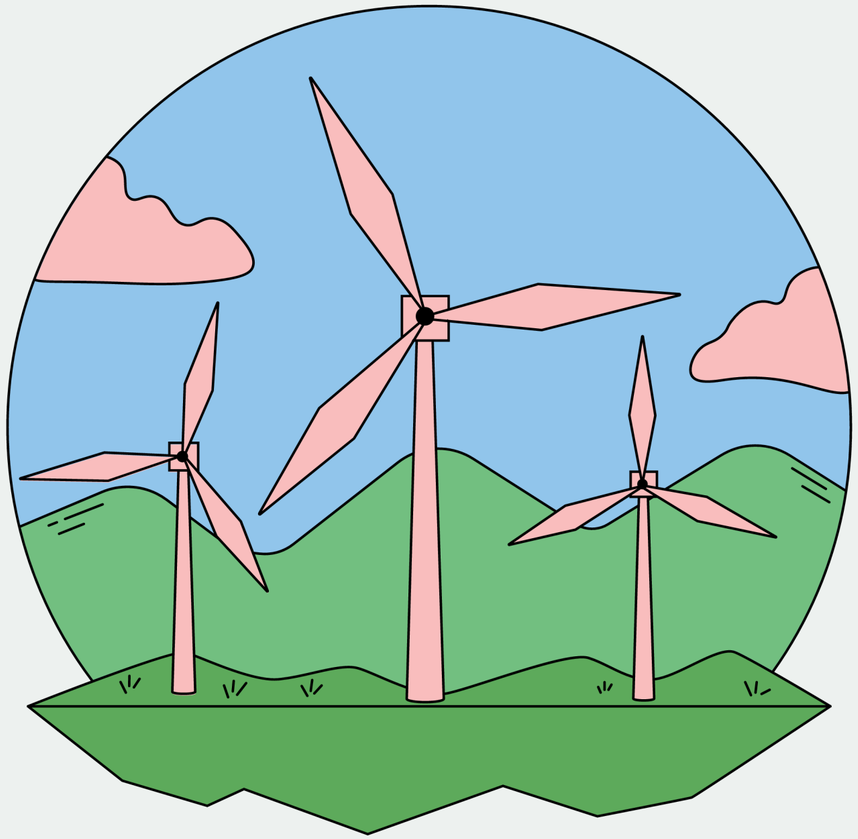
Introduction

- The 2023 Emissions Gap Report shows that emissions rose by 1.2% between 2021 and 2022.
- To reach 57.4 gigatons of emissions.
- The majority of emissions come from fossil fuel and industries .

Problem Statement

- greenhouse gases emissions continue to rise.
- The main reason is the heavy reliance on fossil fuels.
- These emissions causing global warming and climate change.



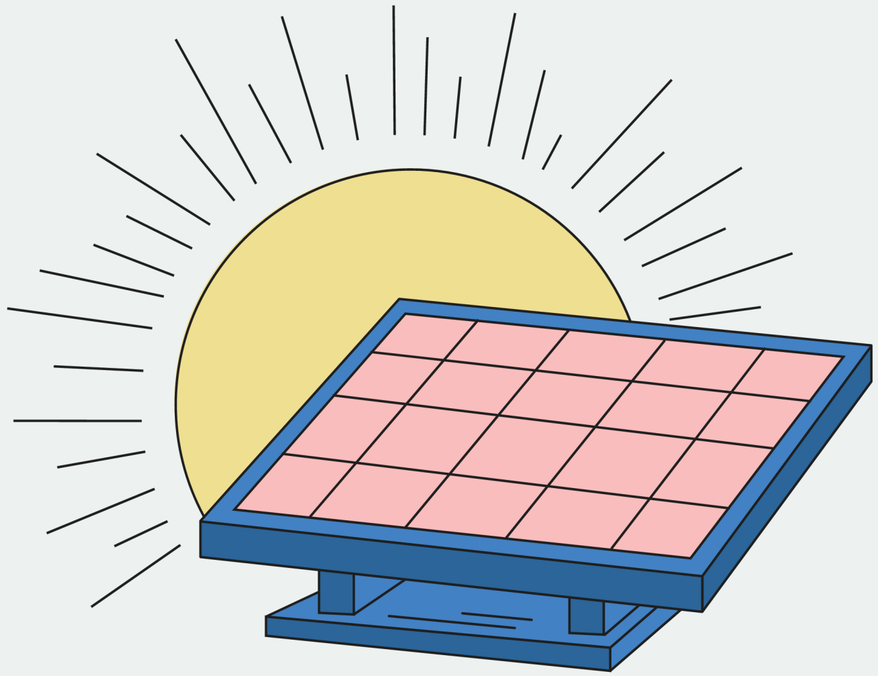


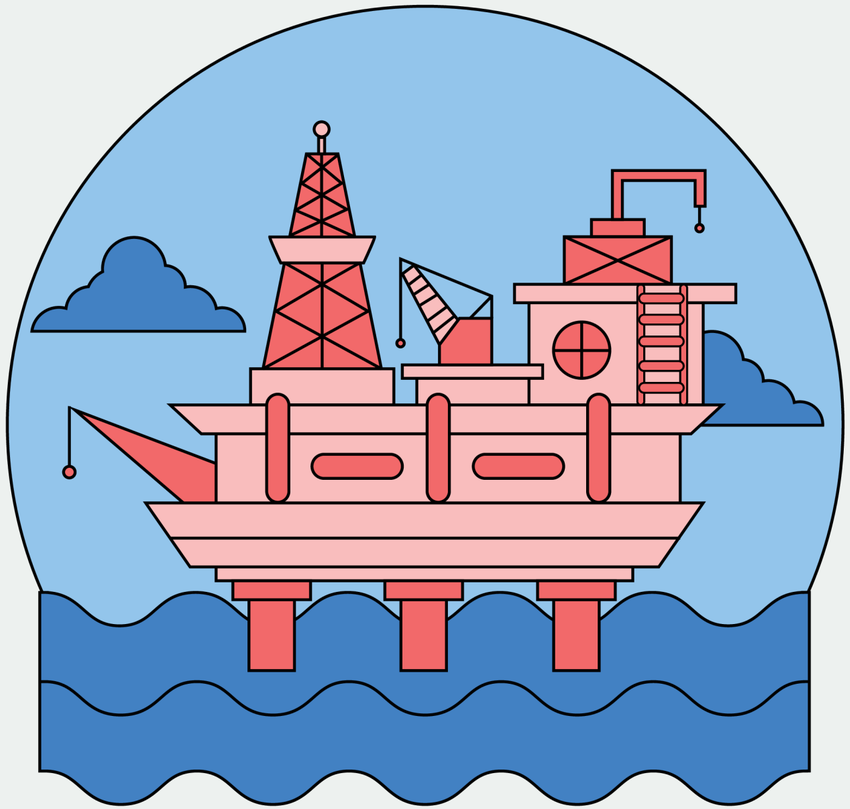
Project Goal

- Use global energy data to identify the key factors influencing emissions.
- Propose the most effective strategies to achieve a significant reduction in emissions.

Objectives

- Track greenhouse gas emissions over time and compare them with renewable and fossil fuel consumption trends.
- Identify top-emitting countries and analyze their total energy consumption.
- Explore how population size and GDP influence emissions.
- Compare fossil fuel and renewable energy use in the highest-emitting countries.
- Identify countries with the highest and lowest per-capita emissions and study their trends over time.
- Analyze the energy mix of both high and low per-capita emitters.
- Provide data-driven recommendations to help high-emission countries transition toward cleaner energy.





Target Audience

- Environmental ministries or government agencies
- Energy companies
- Environmental NGOs
- Sustainability and ESG departments

Dataset Overview

Country
306

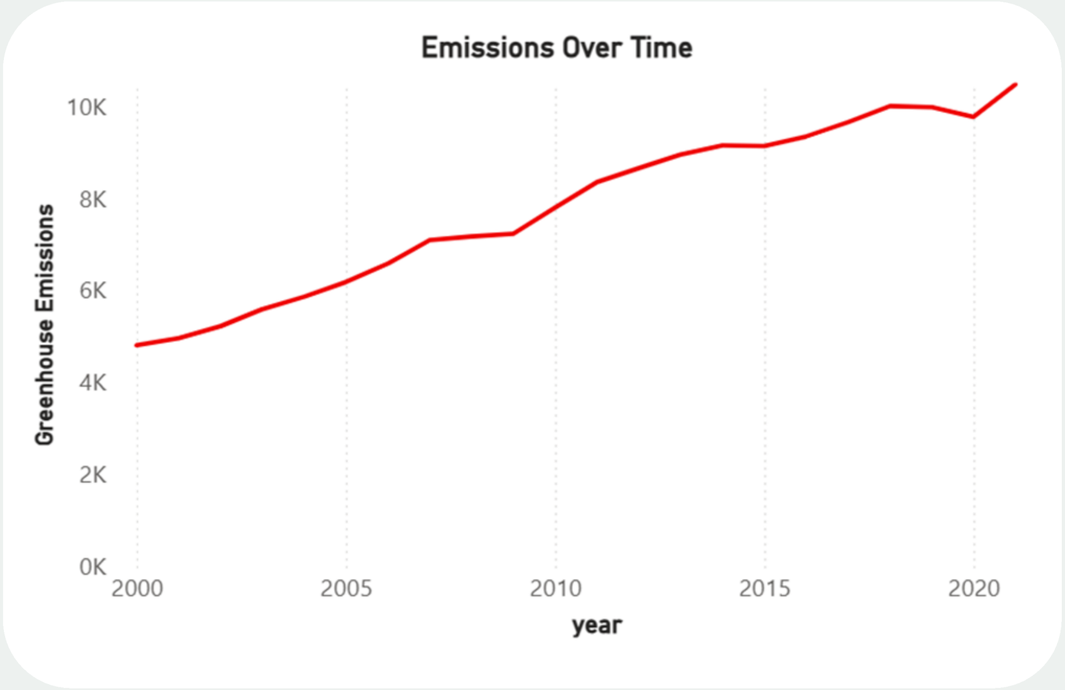
Years
1900-2022

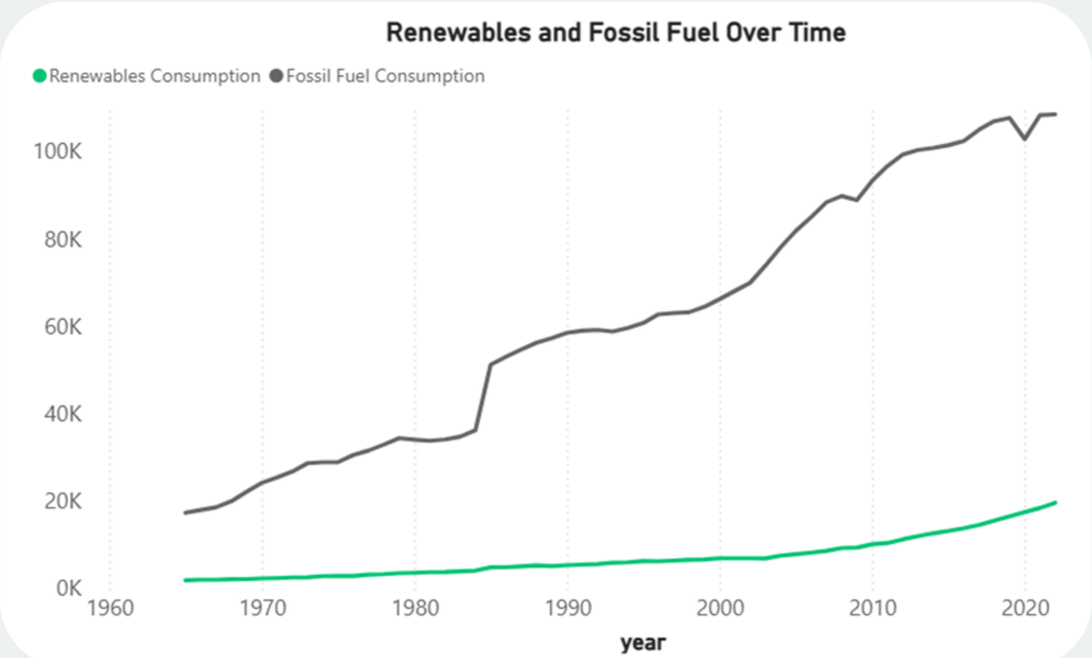
Nuclear
1

Renewable
4

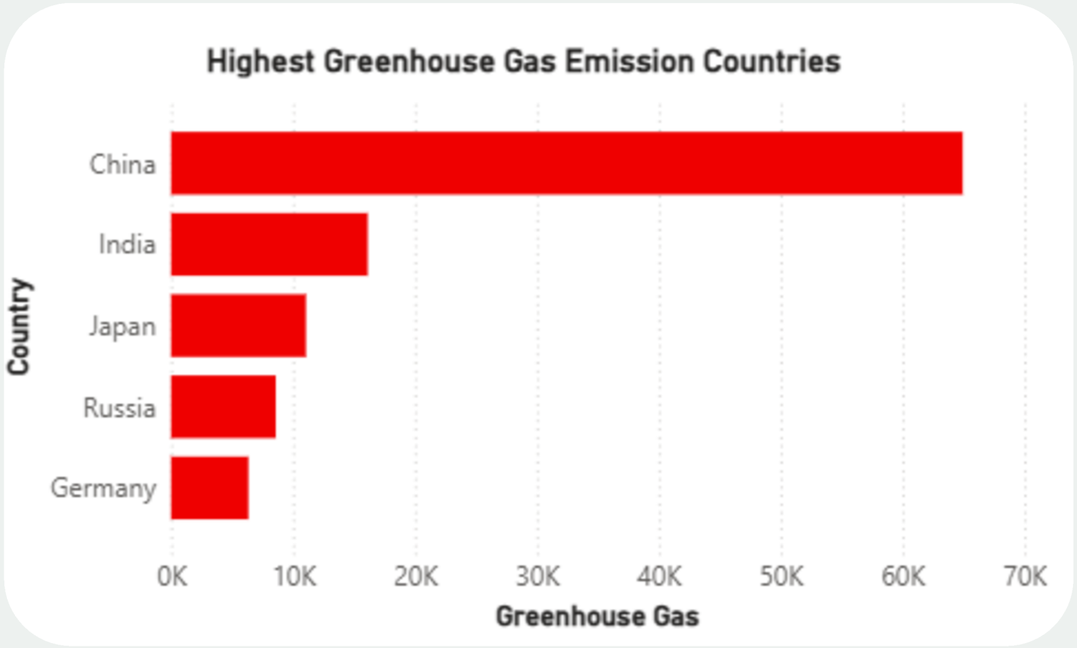
Fossil
3

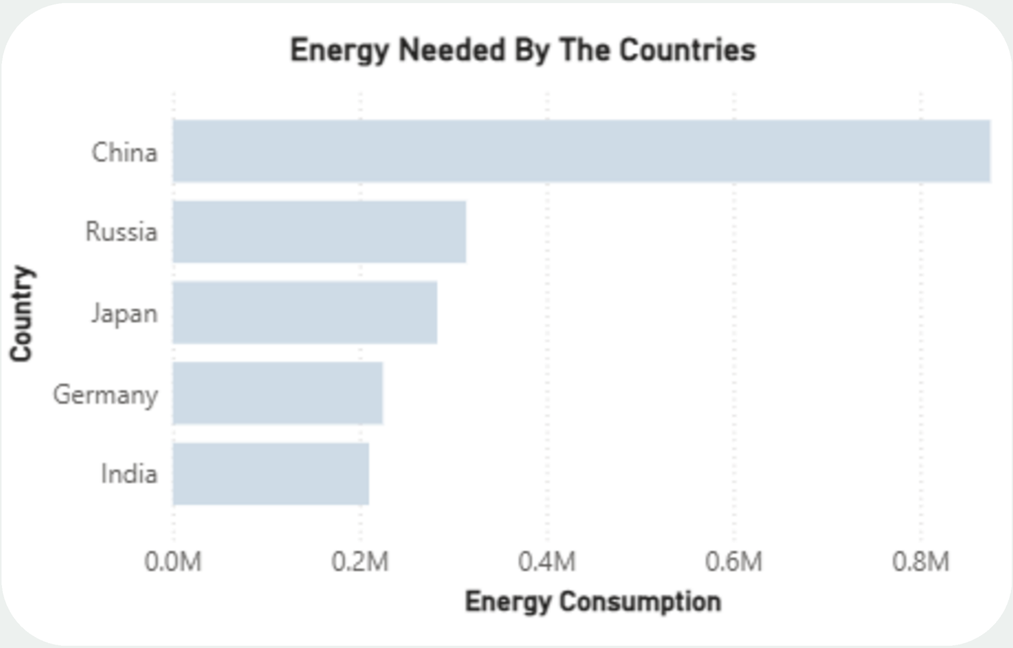
Greenhouse gas emissions over time



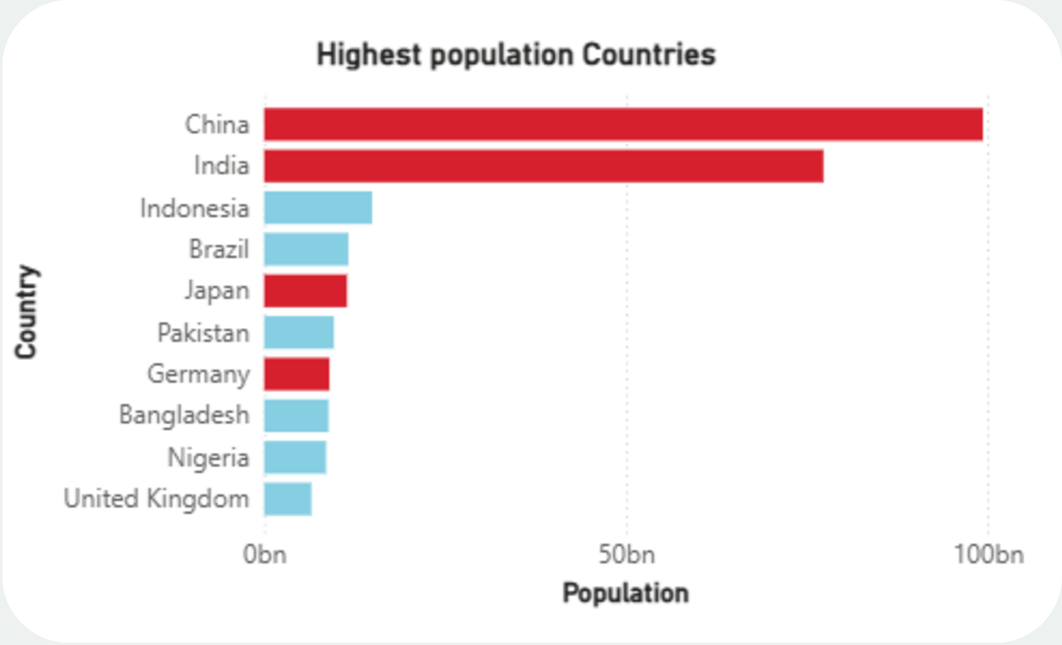


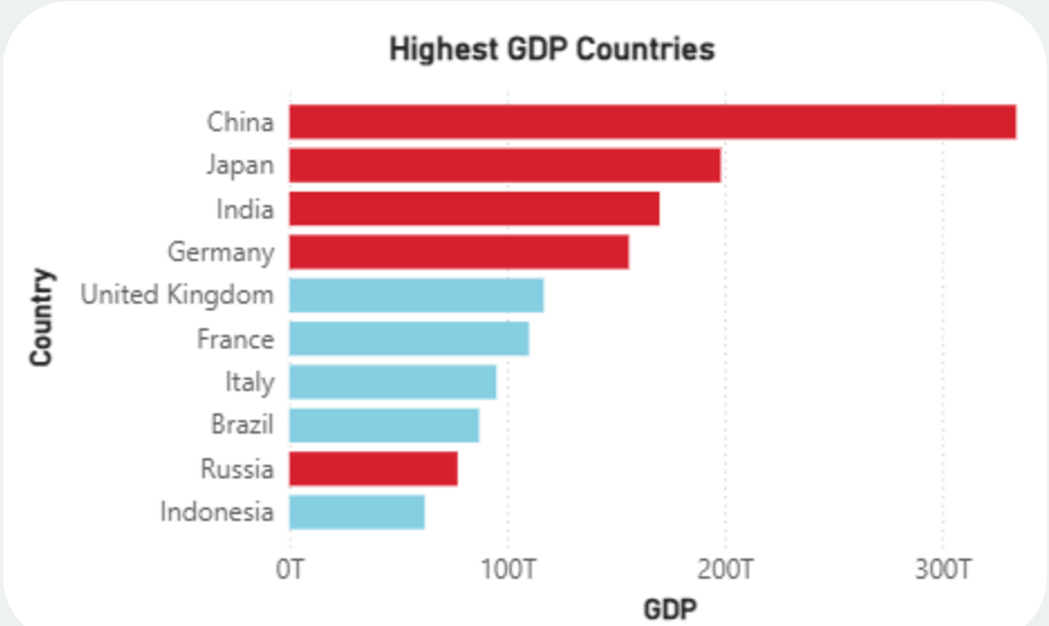
Counties with High Emissions



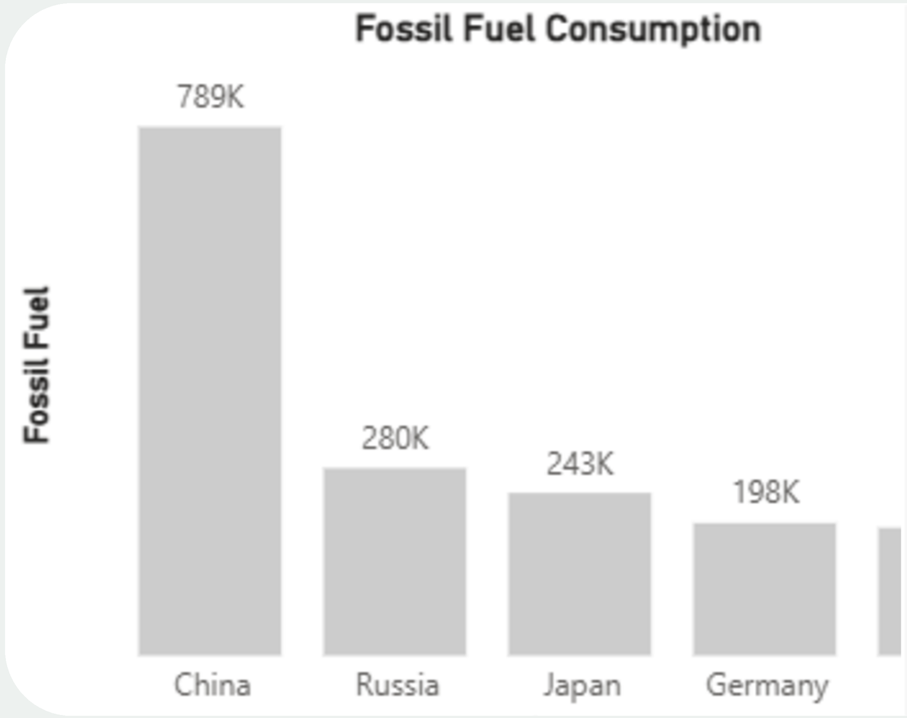


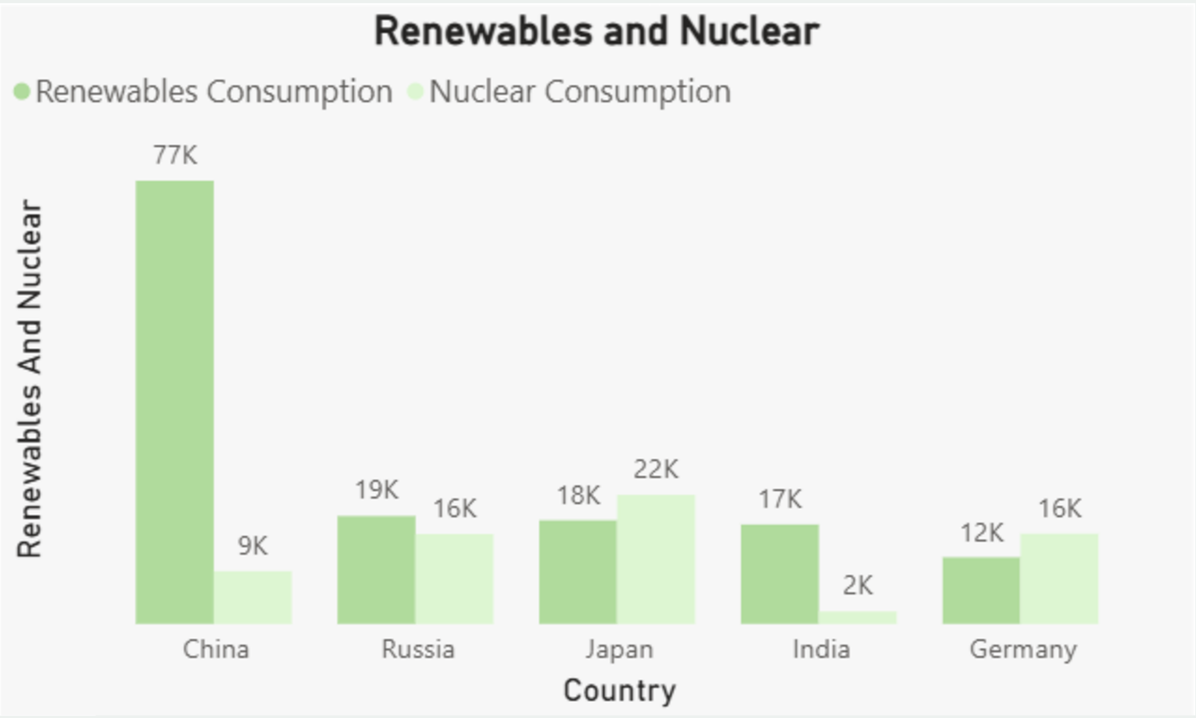
The Factors (population and GDP)



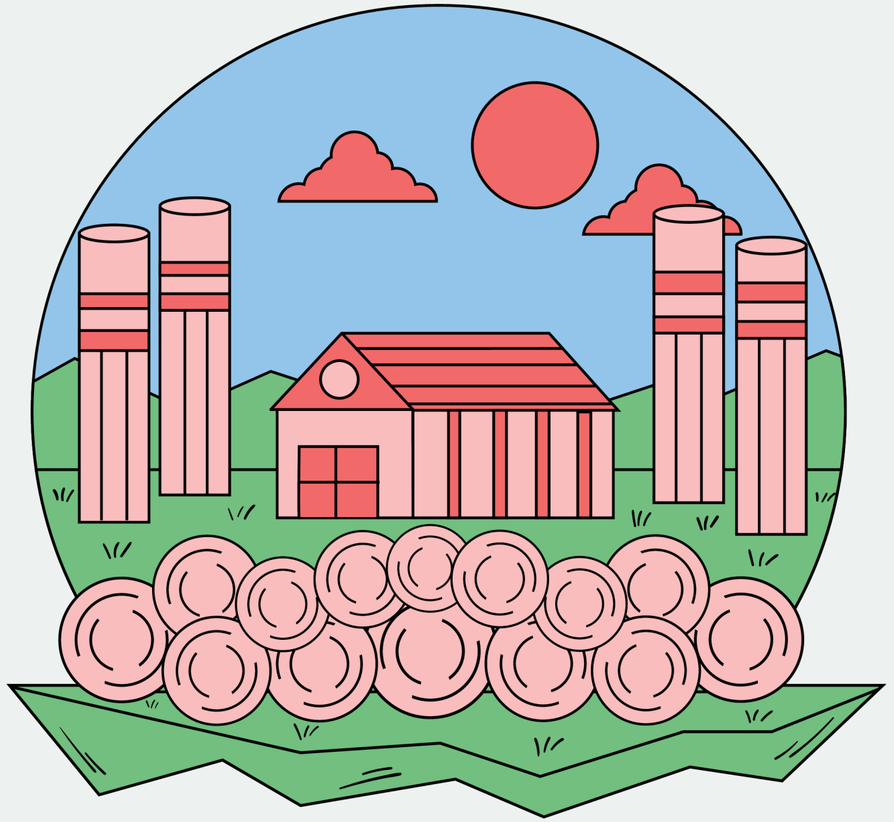


There energy usage

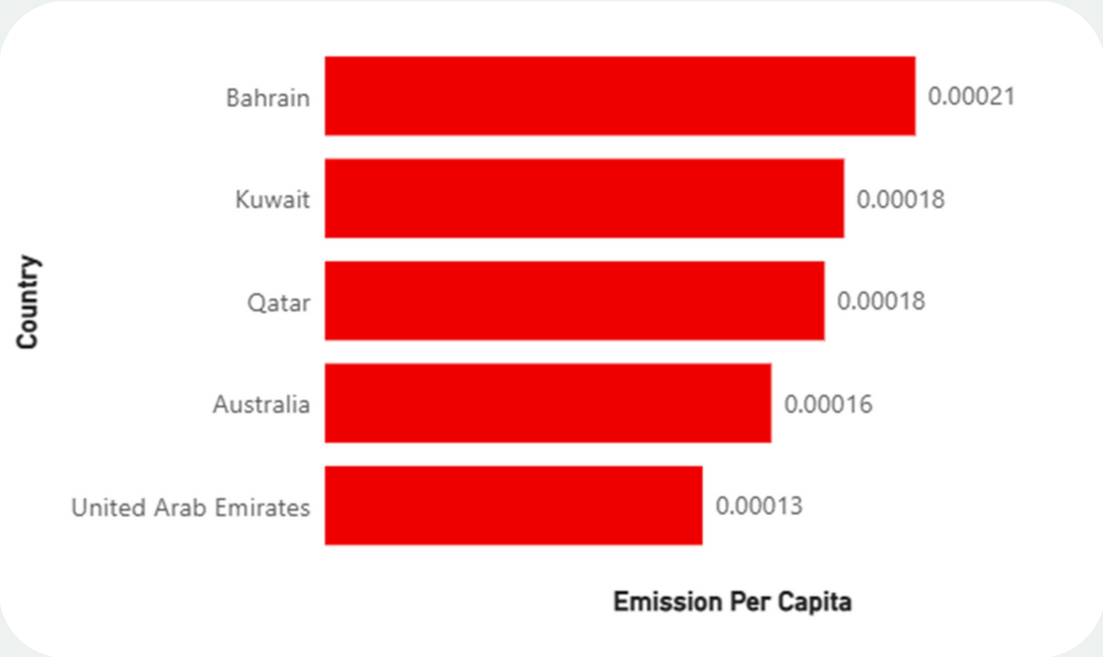


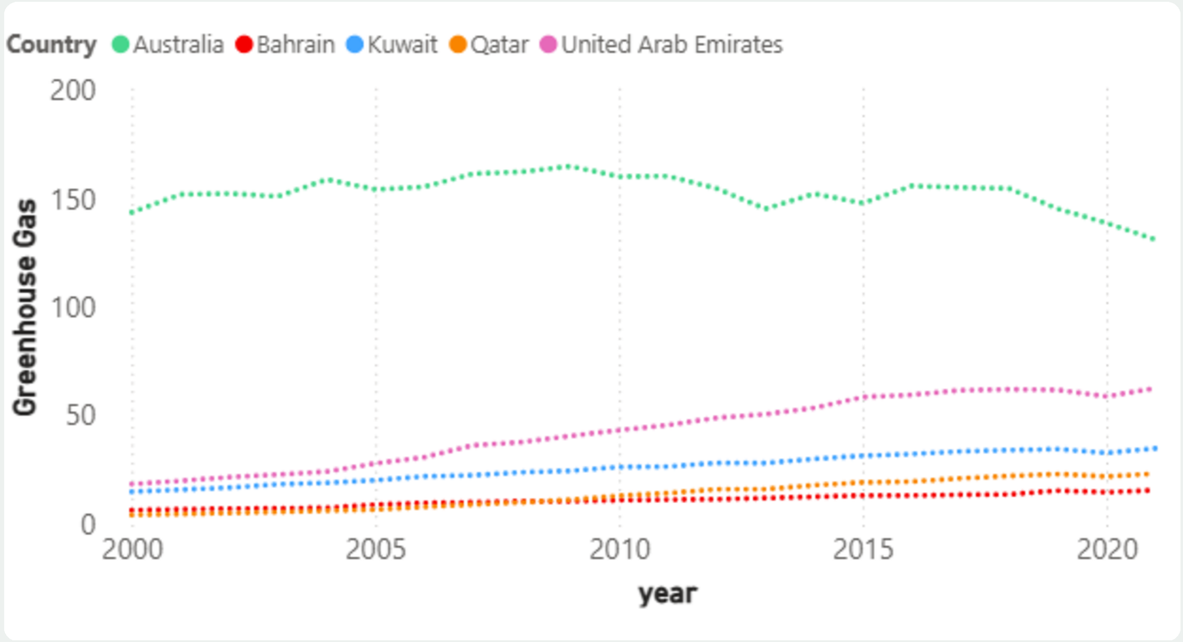


Per Capita Analysis

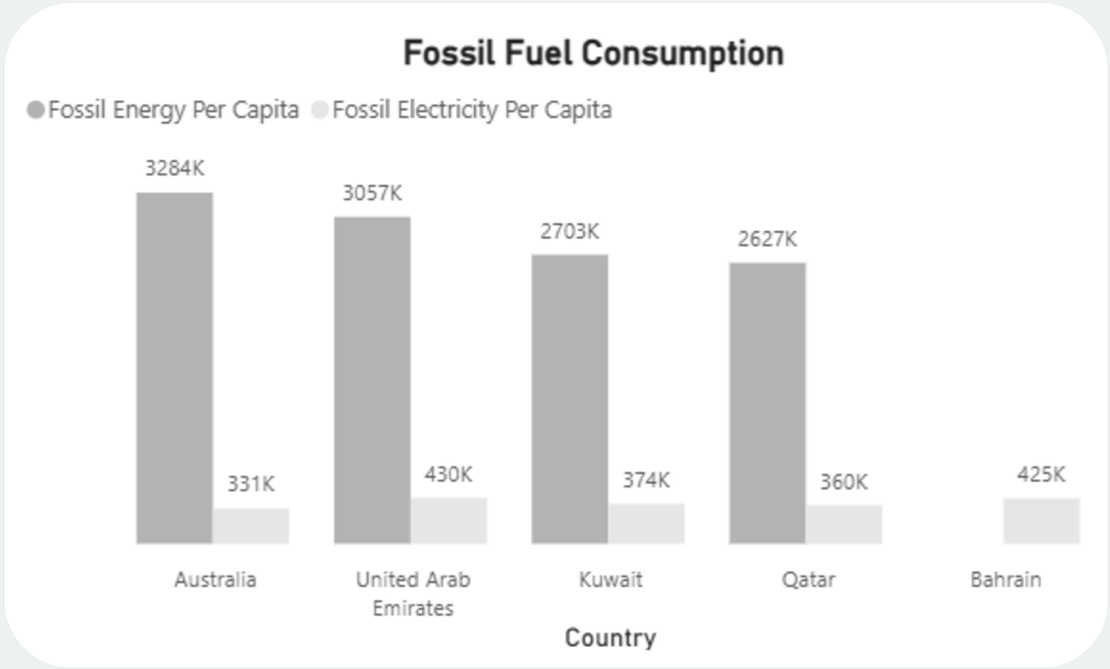


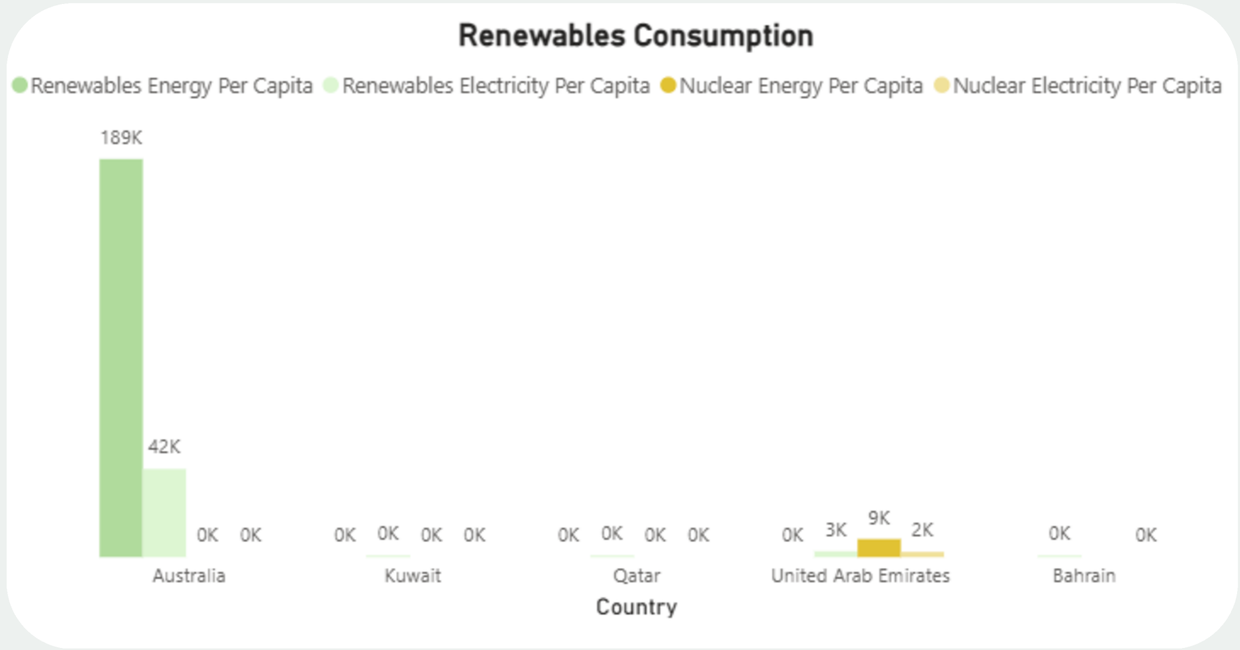
Per Capita Counties with High Emissions



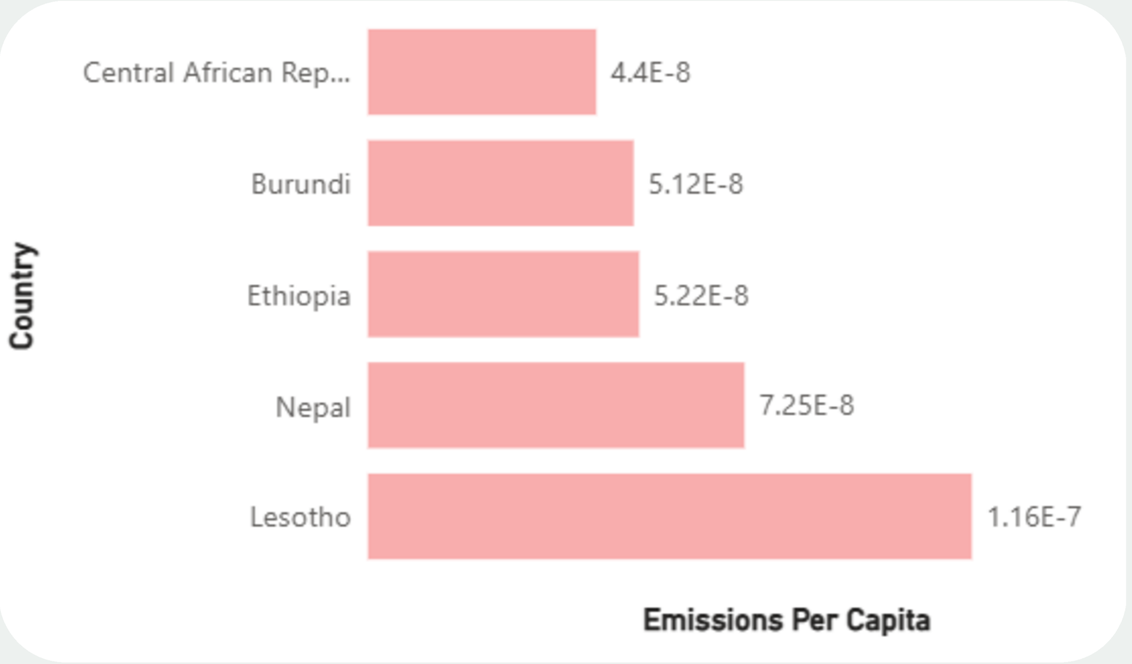


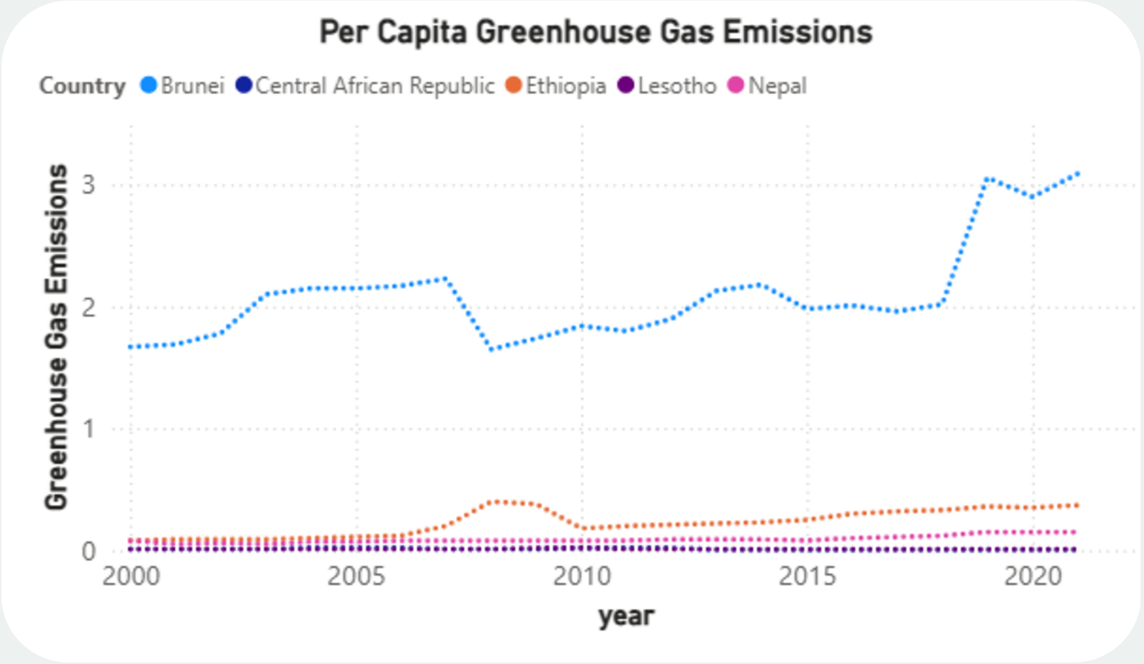
energy there are depending on



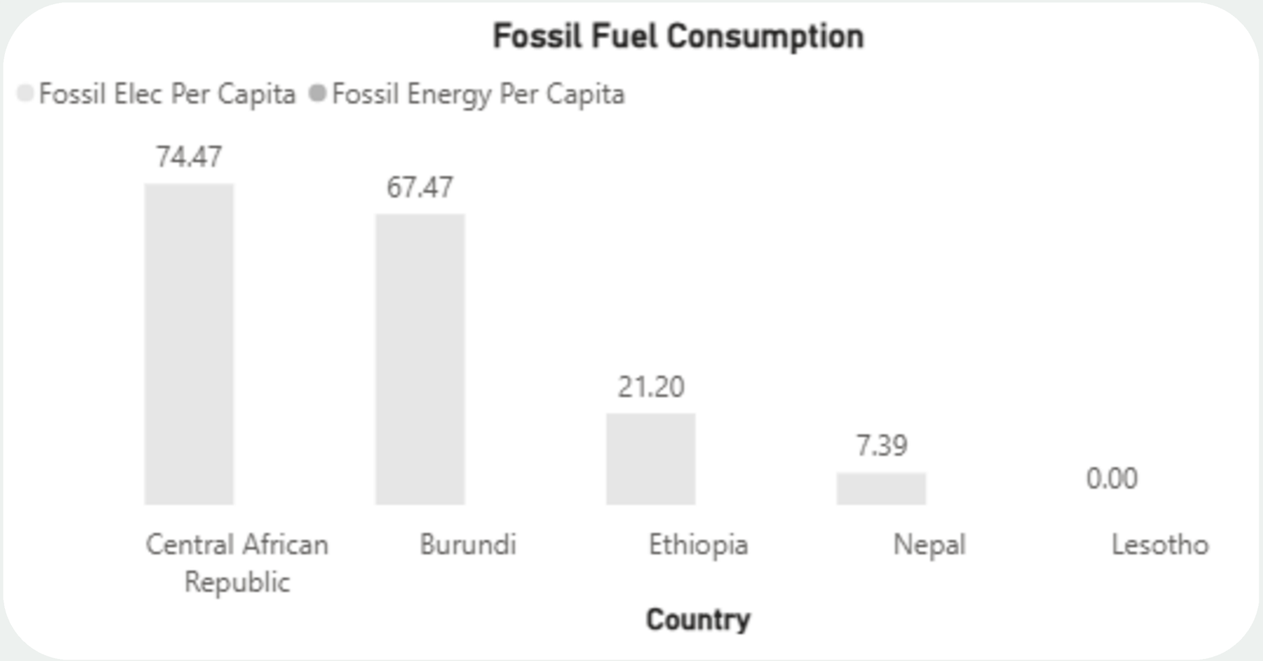


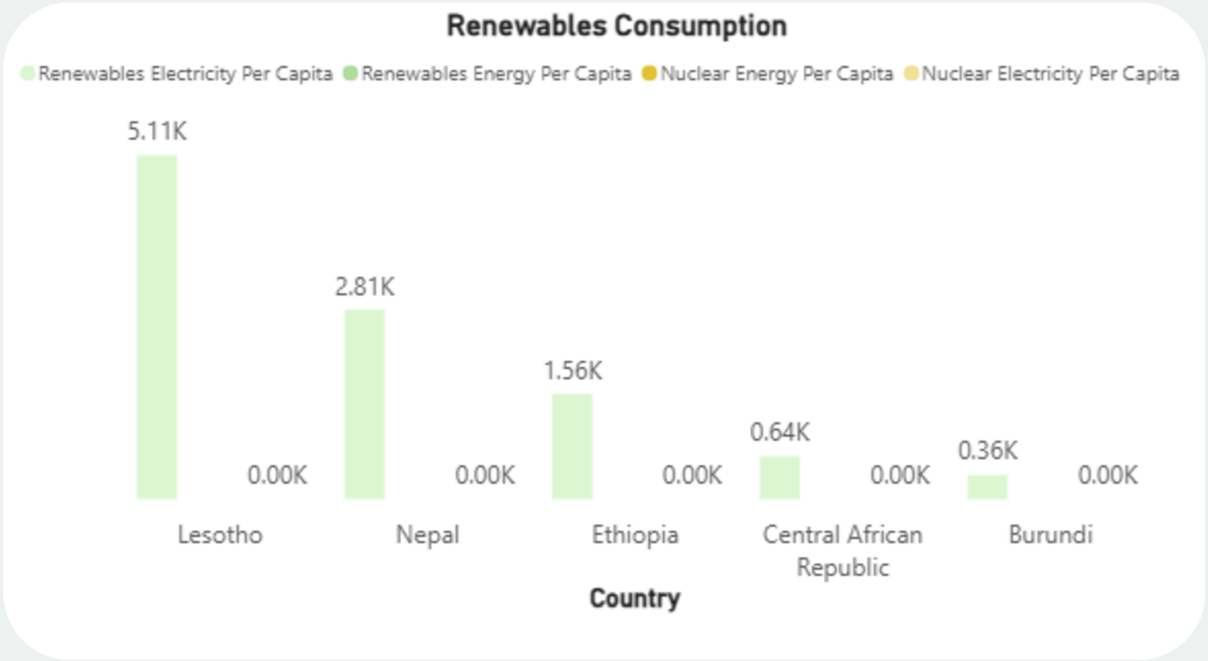
Per Capita Counties with Lowest Emissions



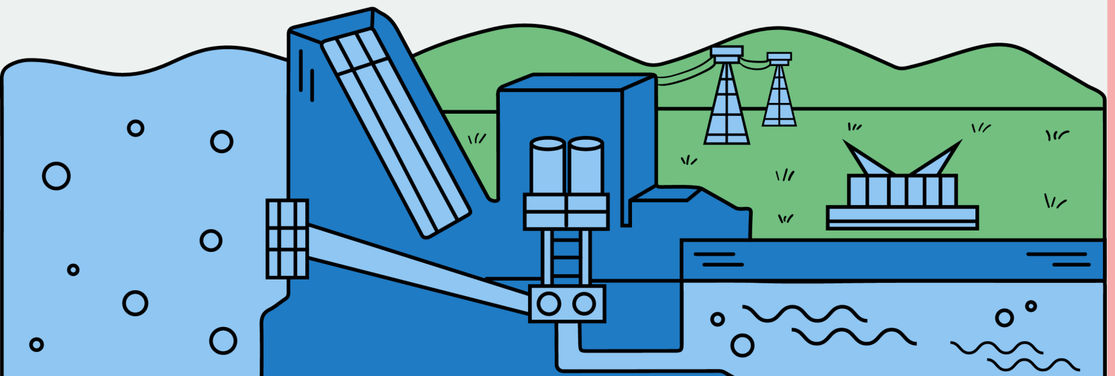


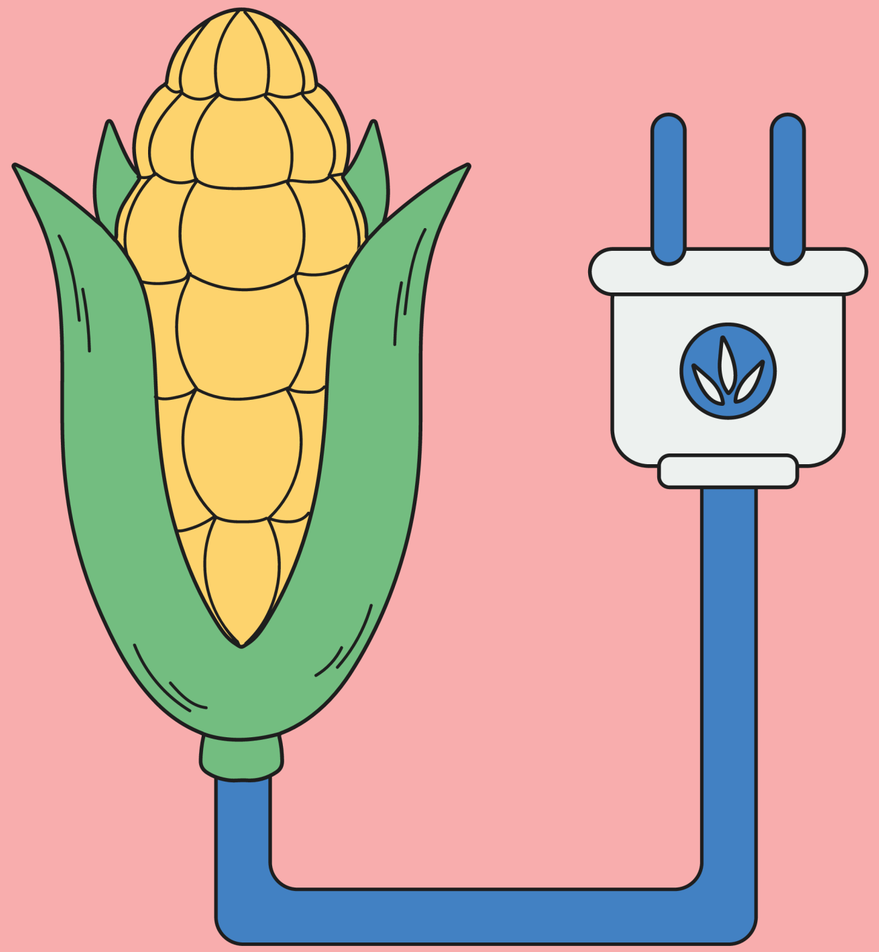
There energy usage





Thank you very much!





www.reallygreatsite.com