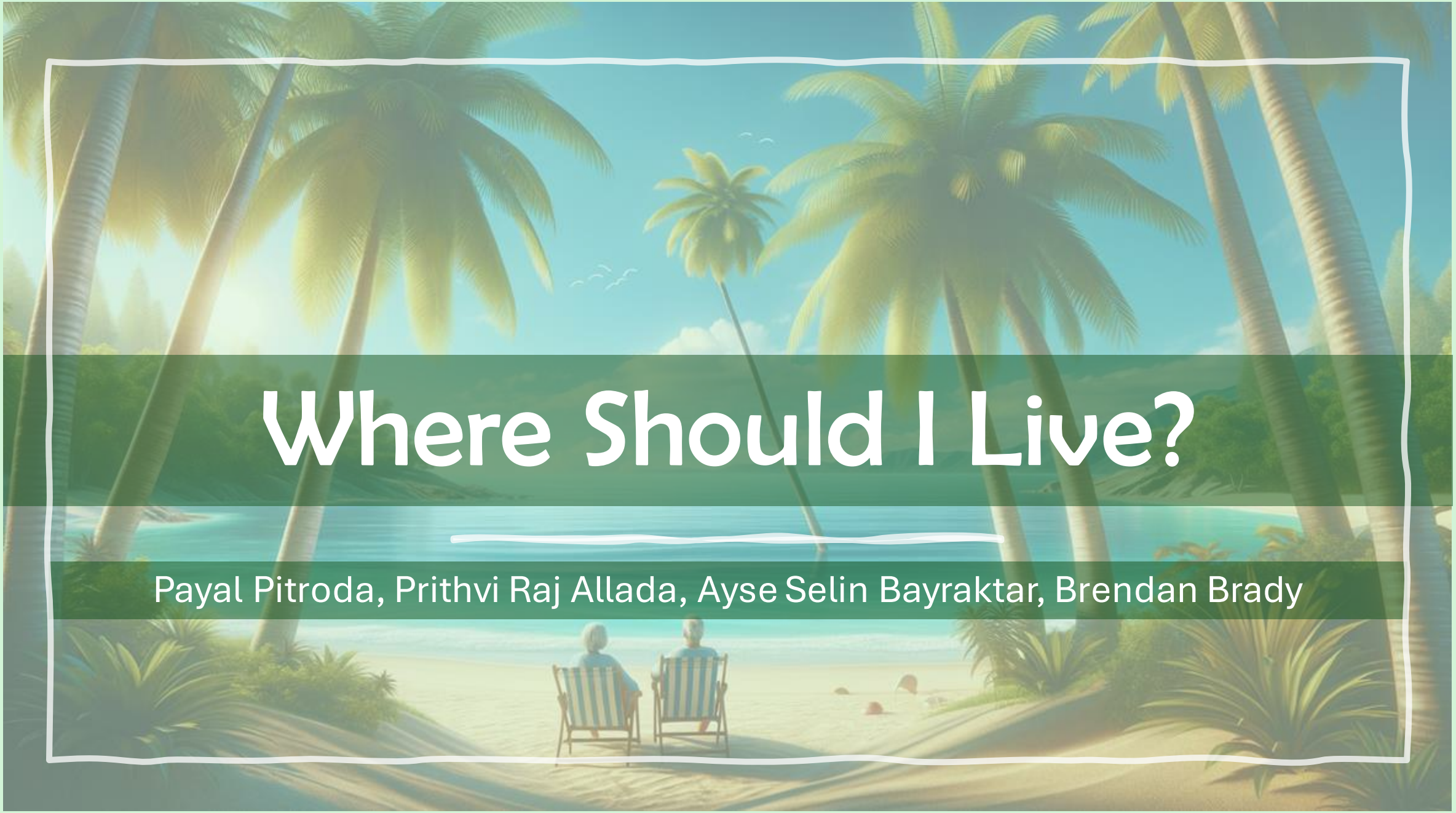


Where Should I Live?

Payal Pitroda, Prithvi Raj Allada, Ayse Selin Bayraktar, Brendan Brady

Project Goal

Use data to help users determine *where they should live* after retirement.

Develop a product that users can get recommendations based off personalized inputs.

Project Scope and Data Sources

- ***Determine meaningful variables:***

  GDP, life expectancy, climate rate, happiness index, death rate, population density, average temperatures, environmental performance index, CPI, political stability.

- ***Determine inputs for user:***

  - *Most important variables + weights*
  - *Prospect countries.*

- ***Data Sources and APIs:***

  World Bank, *Gap Minder* , *UN Data*

Data Collection & Preprocessing

Collection methods: Data Downloads from sources and using python to scrape the data from public APIs

Preprocessing steps:

Verifying reliability of data.

We used mean filling to deal with missing values.

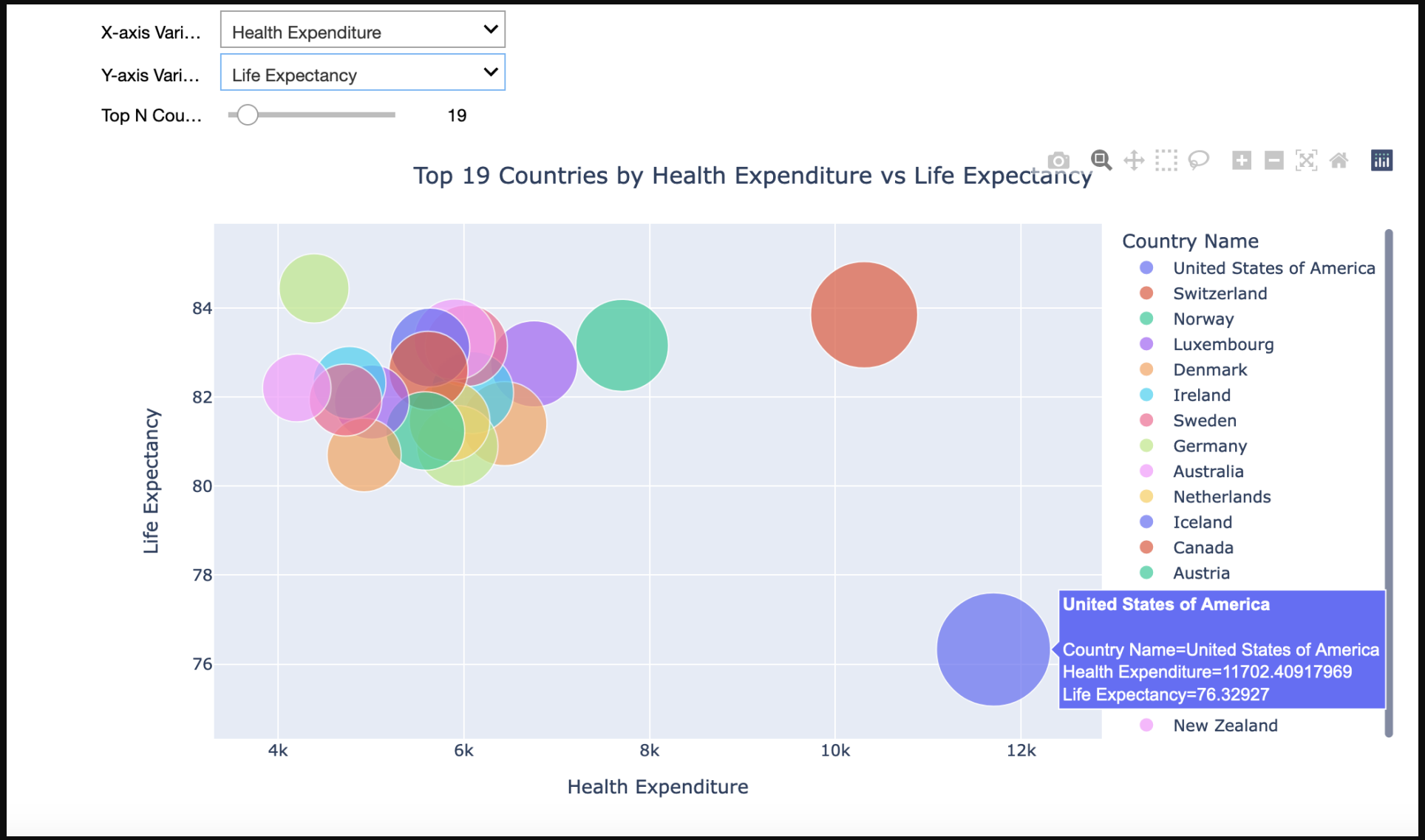
Organizing and creating a final excel sheet.

Challenges faced:

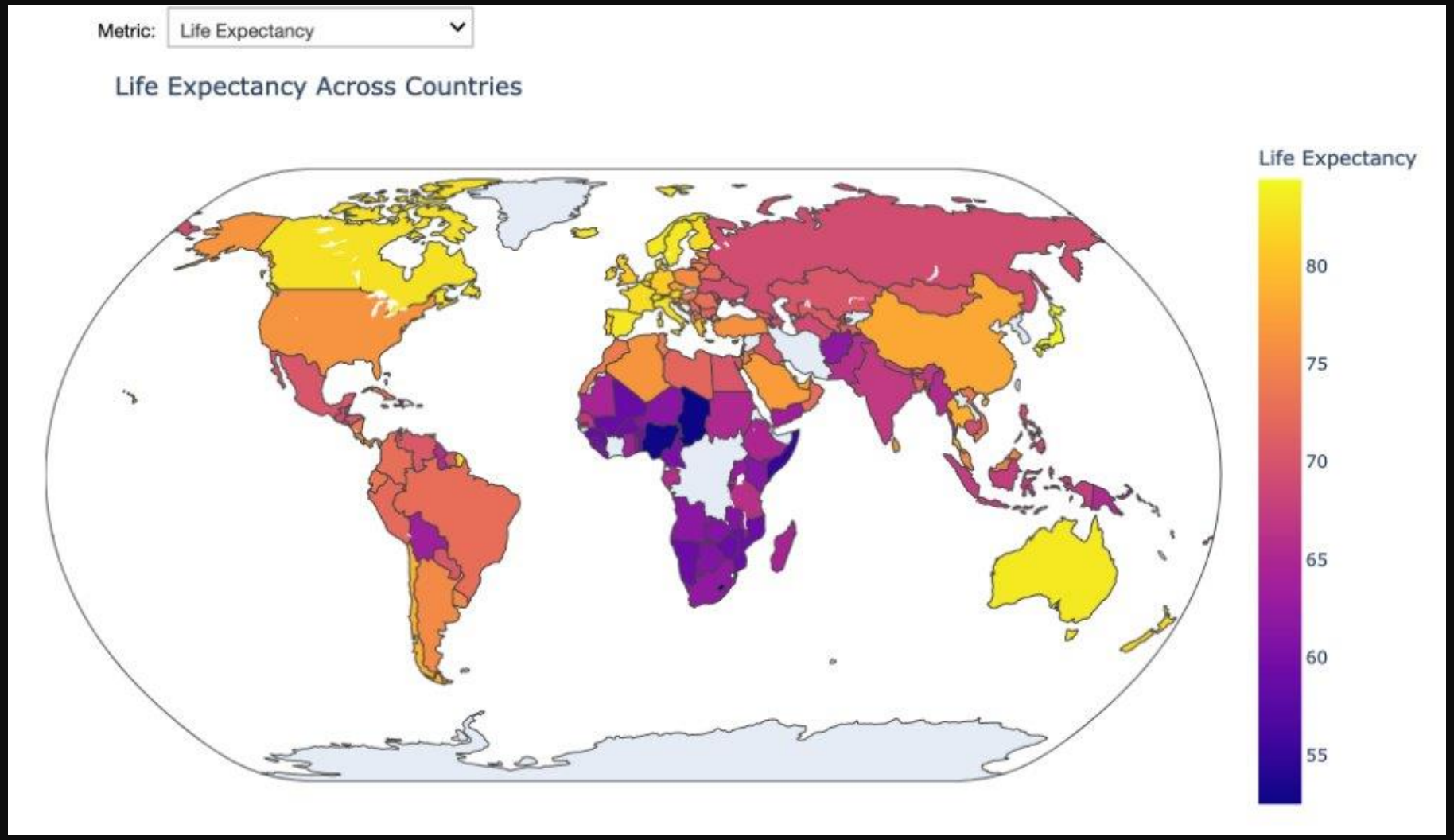
Finding reliable data for every country and every variable.

Data Analysis Through Visuals

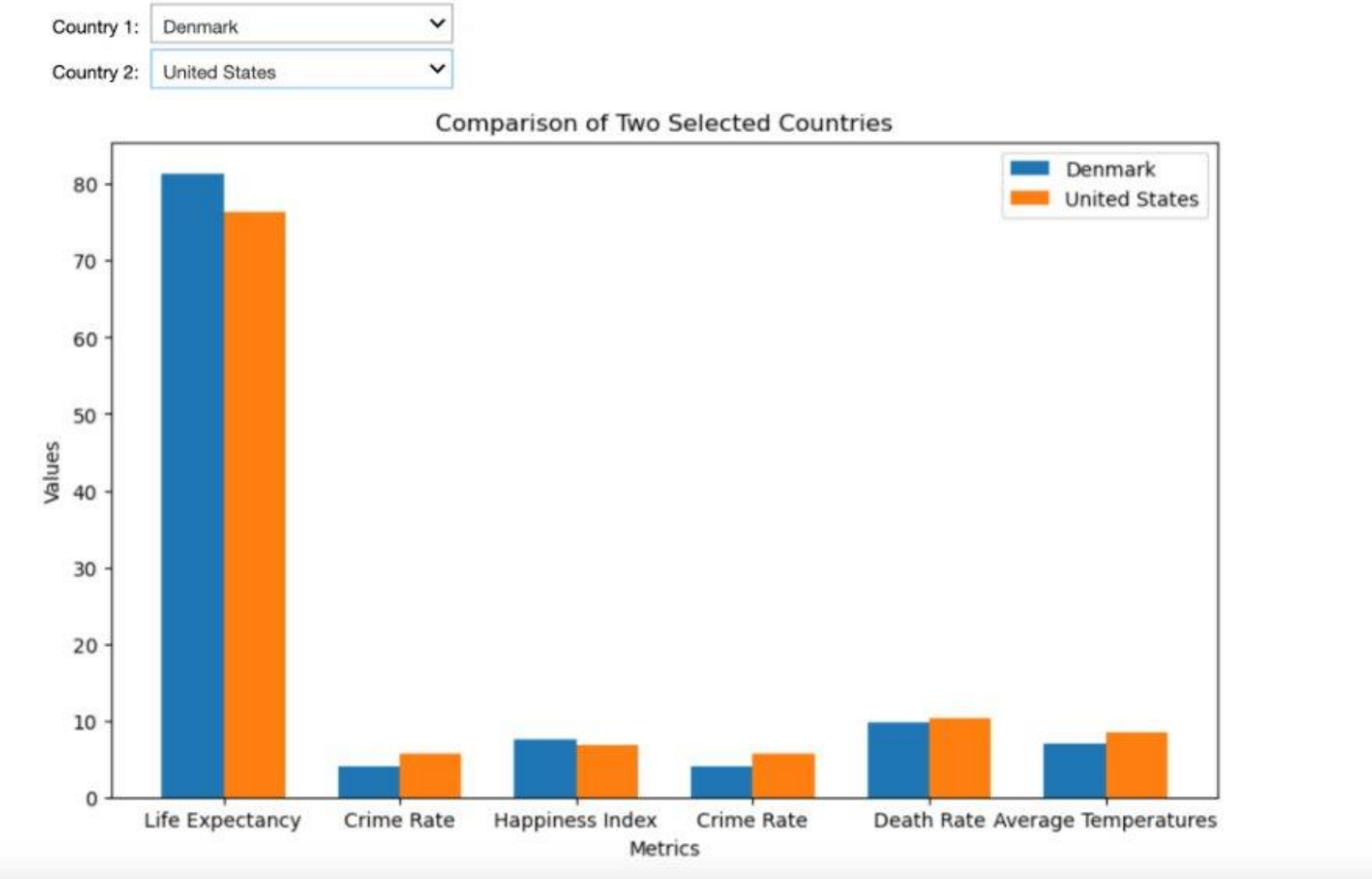
Correlation between 2 variables

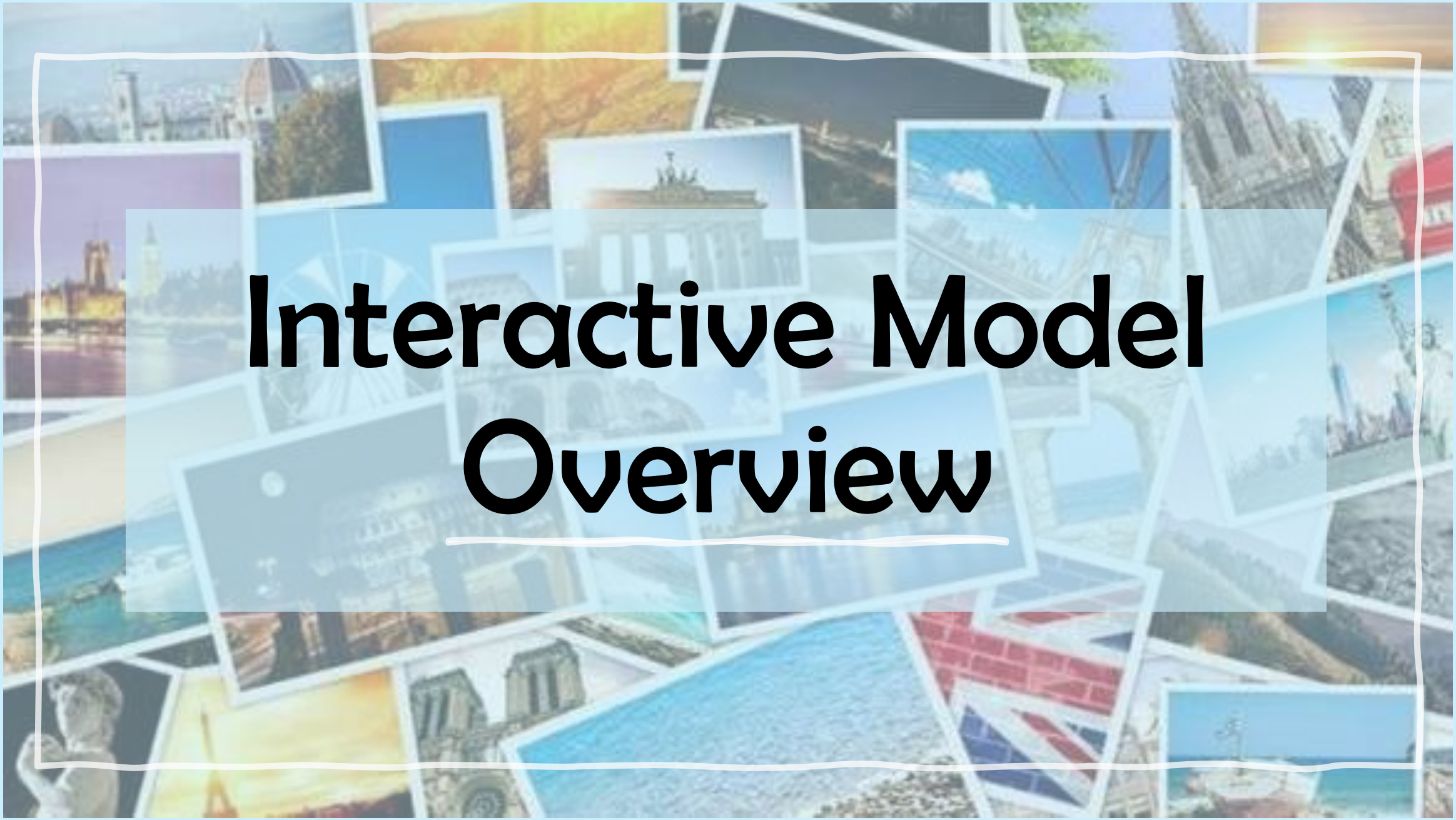


Geospatial Chart

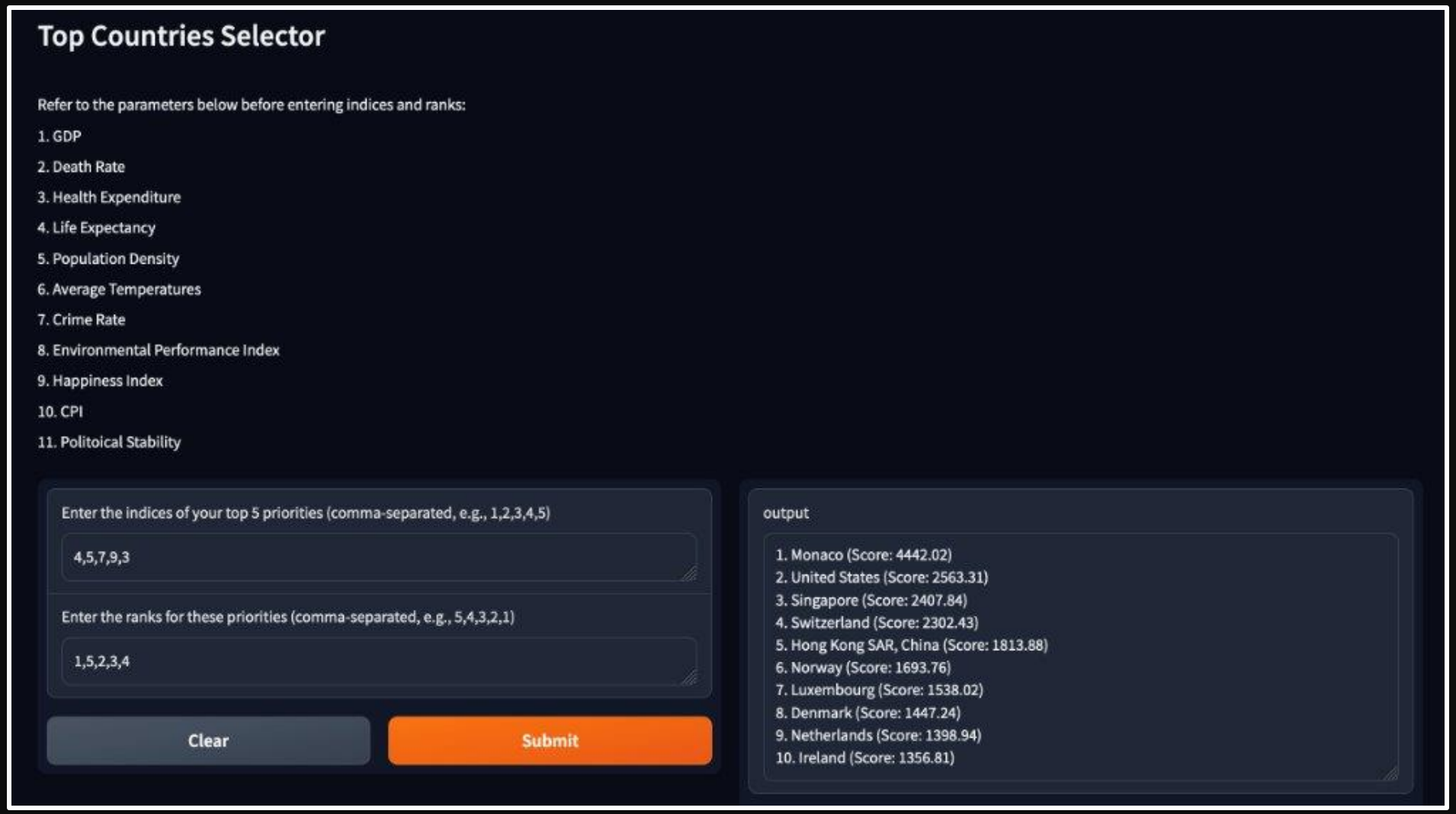


Comparison of 2 User selected Countries

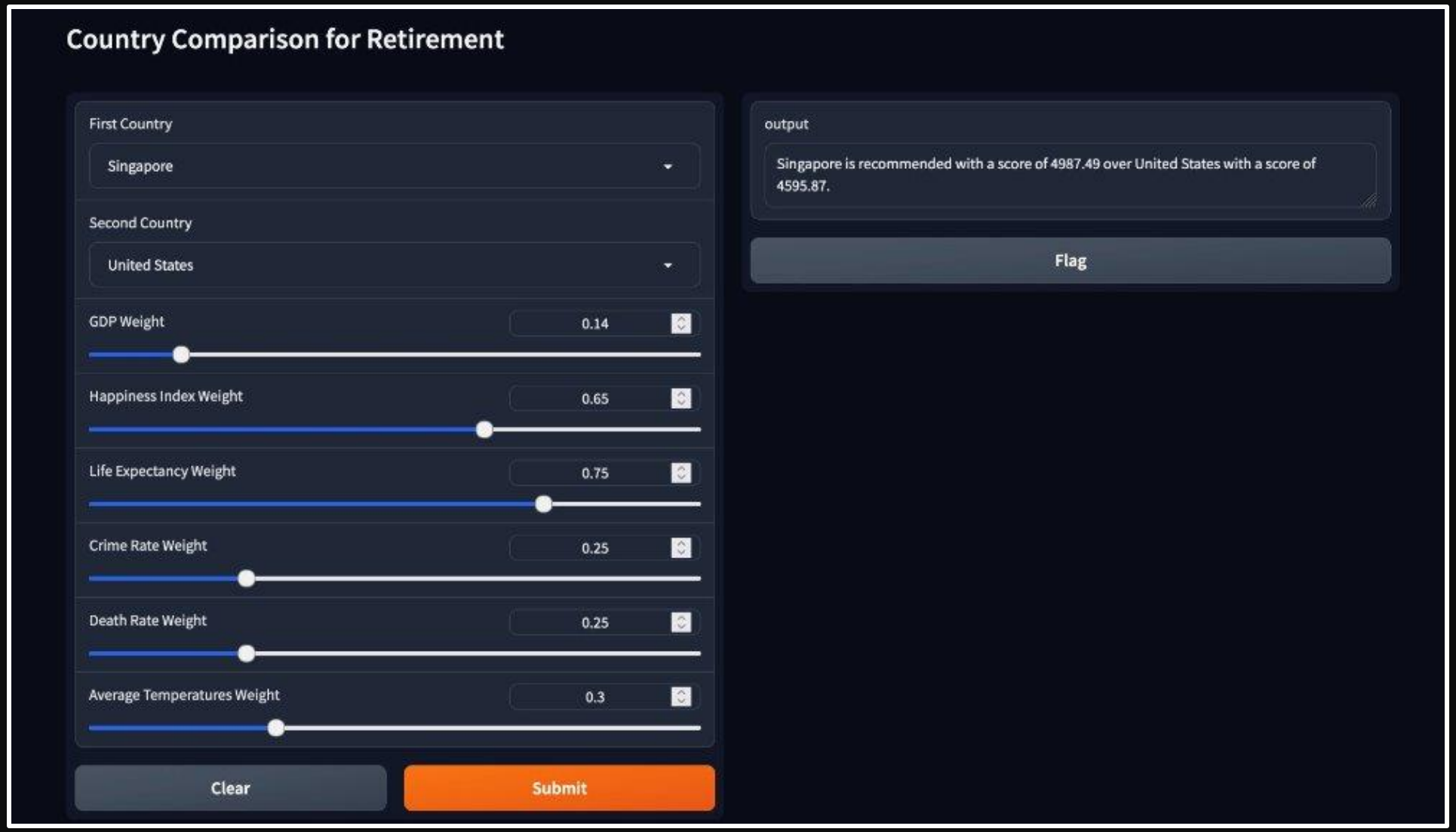



Interactive Model
Overview

Selecting our priorities and ranking them



Selecting 2 Countries to compare from the top 3 based on User priorities



Future Recommendations

- Add additional impactful variables to the data.
- Incorporate real-time currency exchange rates in the output.
- Suggestions for region/city within the suggested country.
- Get real, reliable N/A data.
- Feature to allow users to input photos of places and get suggestions.
- Build easy to access mobile version.


Thank you!
Questions?