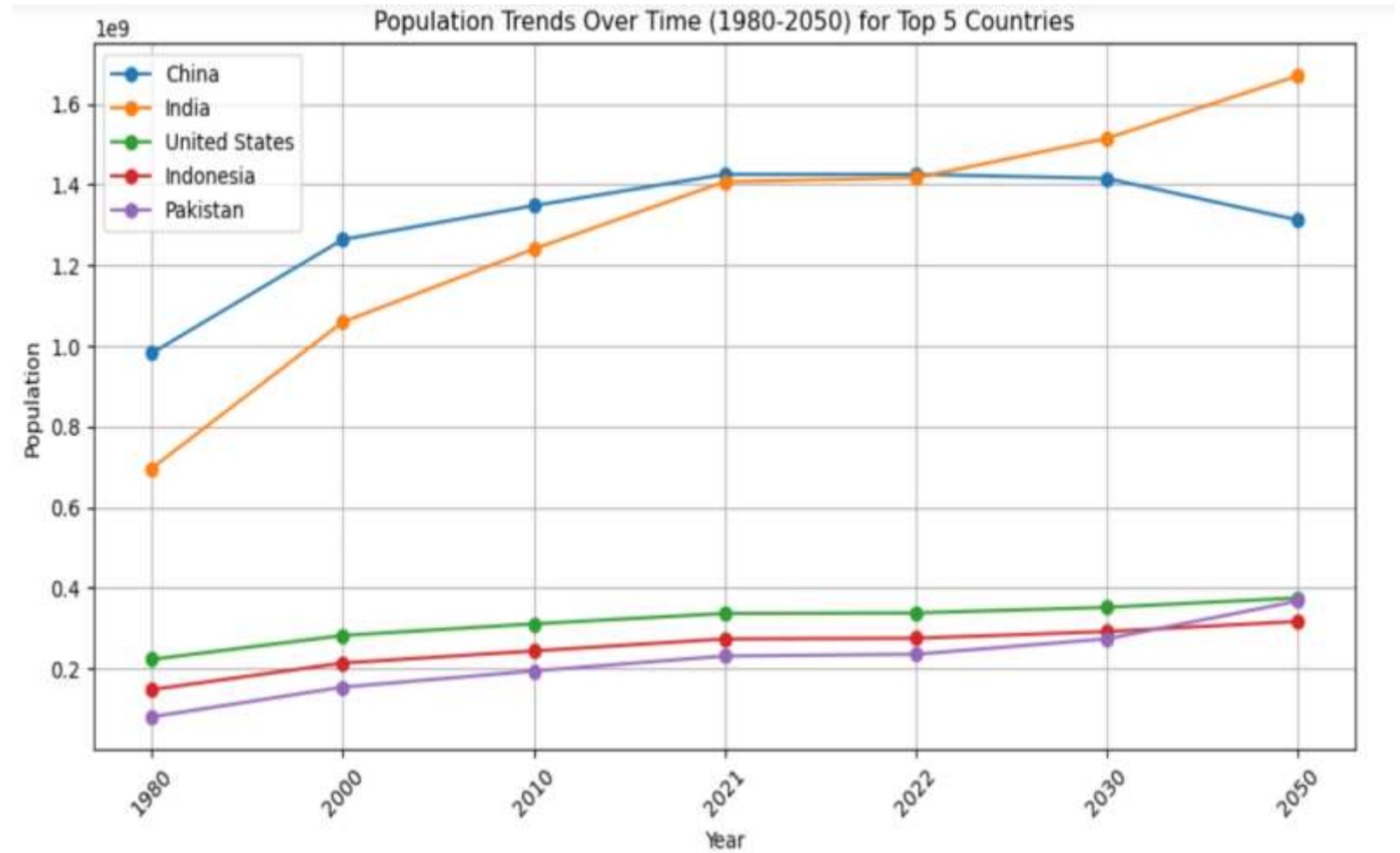# World Population and GDP Analysis

Introduction:

- In this presentation, we'll conduct a detailed analysis of a carefully curated dataset on population dynamics, with a focus on predicting population figures for 2030 and 2050. Our dataset includes demographic data from multiple countries over several decades.

- Our dataset comprises essential demographic indicators for 234 countries and territories, including population figures for the years 1980, 2000, 2010, 2021, 2022 and also Prediction of 2030 and 2050.

- Analyzing global population trends helps us prepare for future challenges and opportunities in areas like resource allocation, urbanization, healthcare, and environmental sustainability.
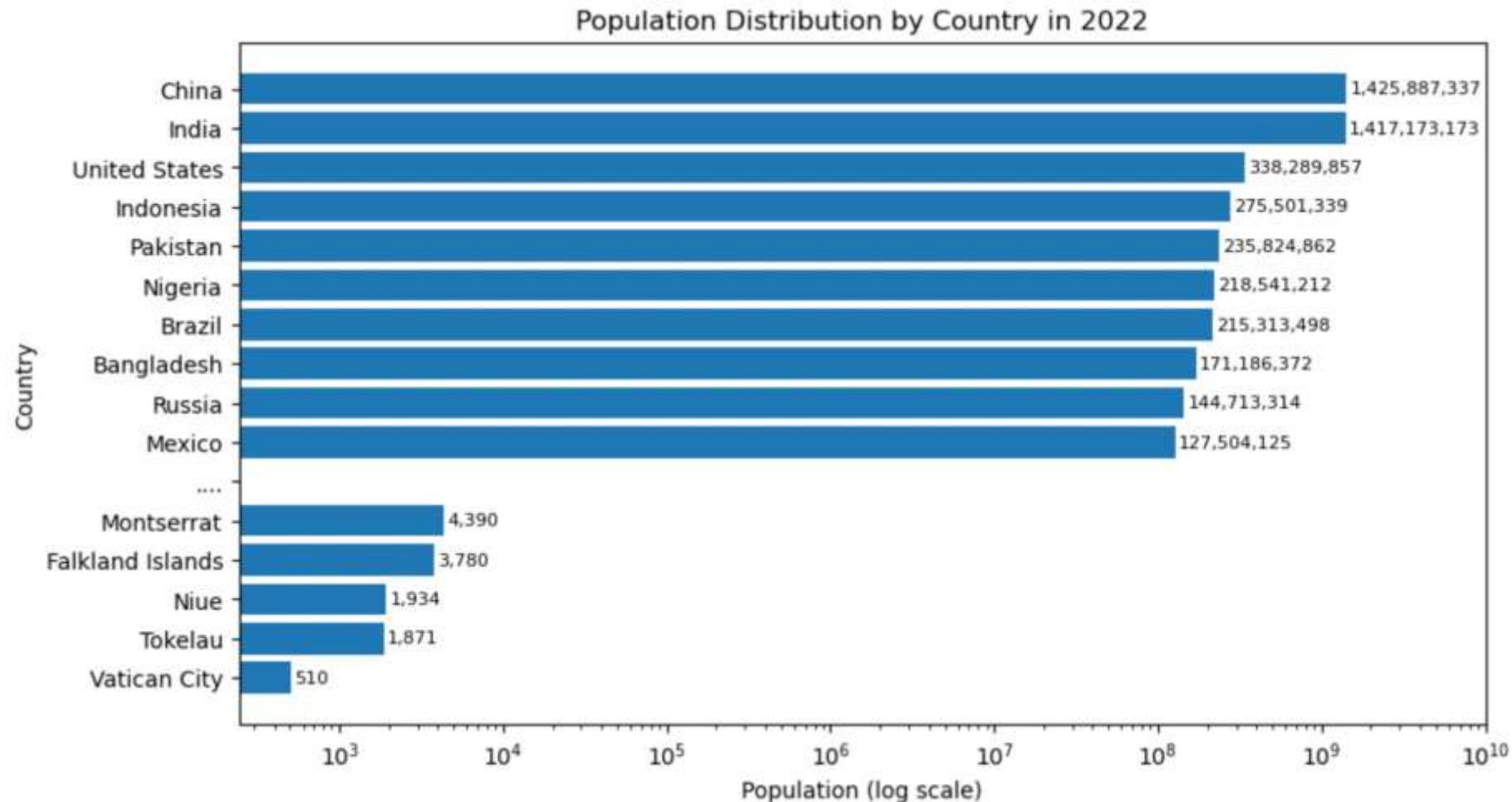
8.1 Billion People

Population Trends Over Time:

Examine and understand the trends of population across time from 1980-2050 for the top 5 countries that is China, India, United States, Indonesia and Pakistan whether any significant trends and oscillations exist.
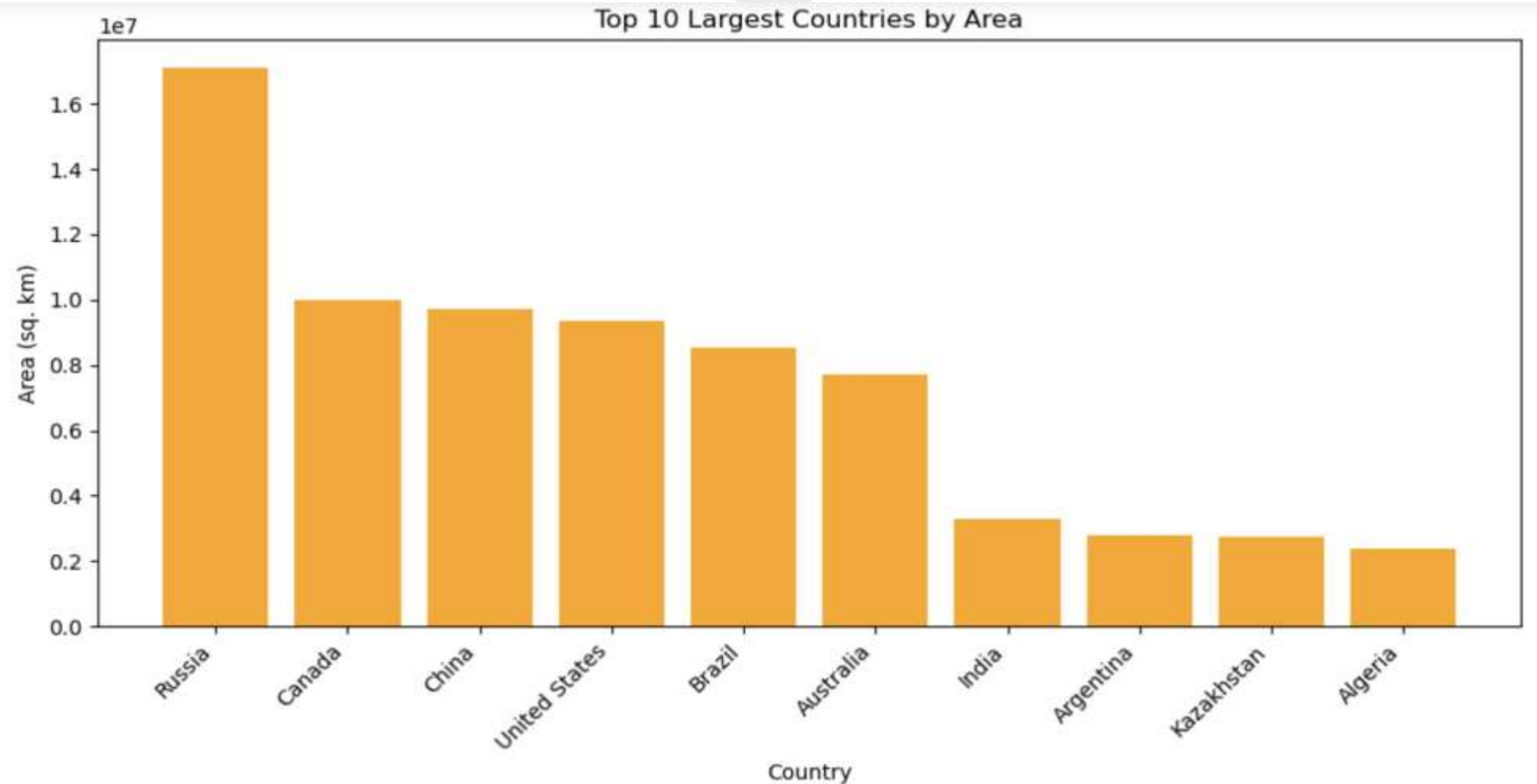

Population Trends Over Time (1980-2050) for Top 5 Countries

Population Distribution by Country:

distribution of population figures across different countries

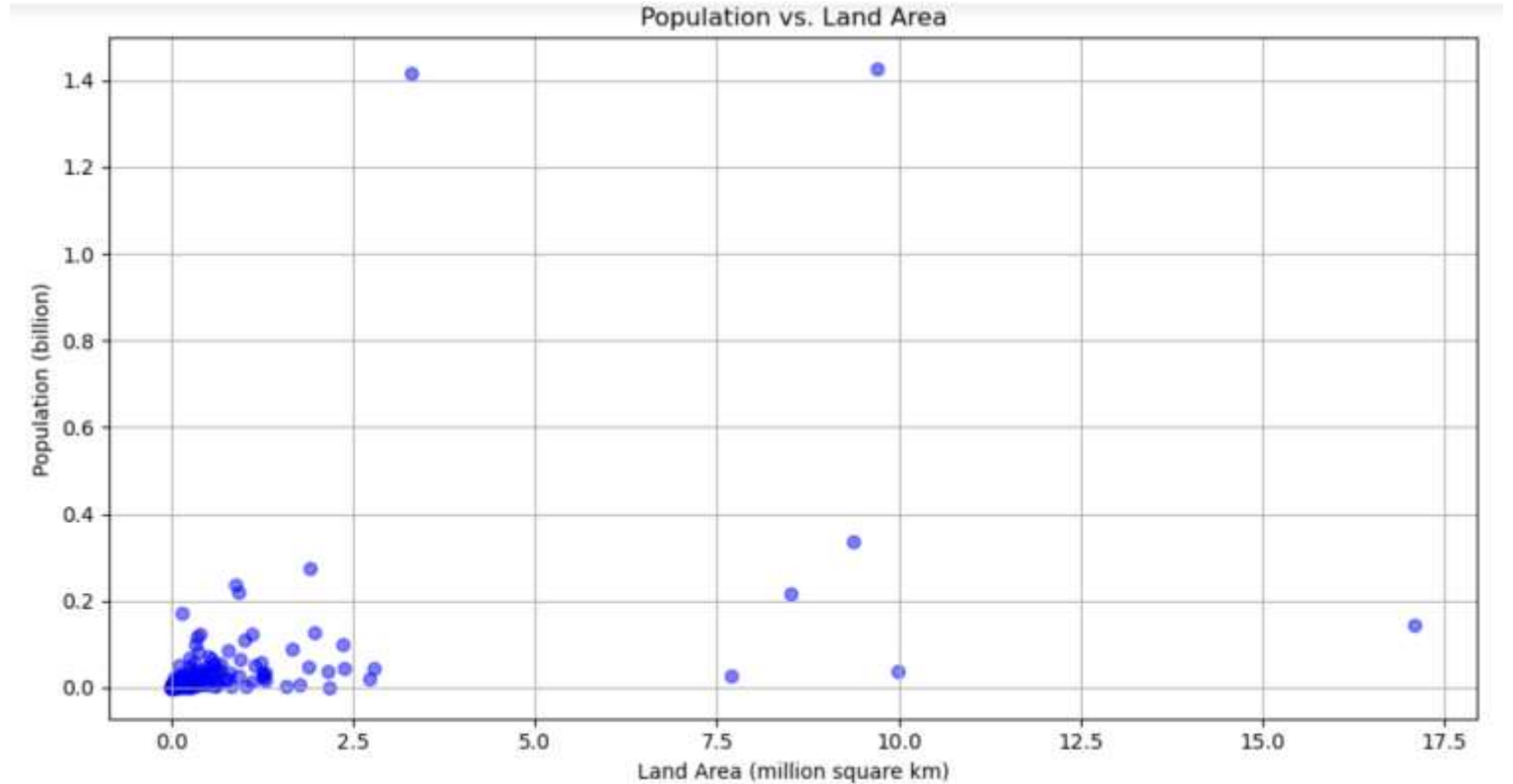Population Distribution by Country in 2022

Largest Countries by Area:
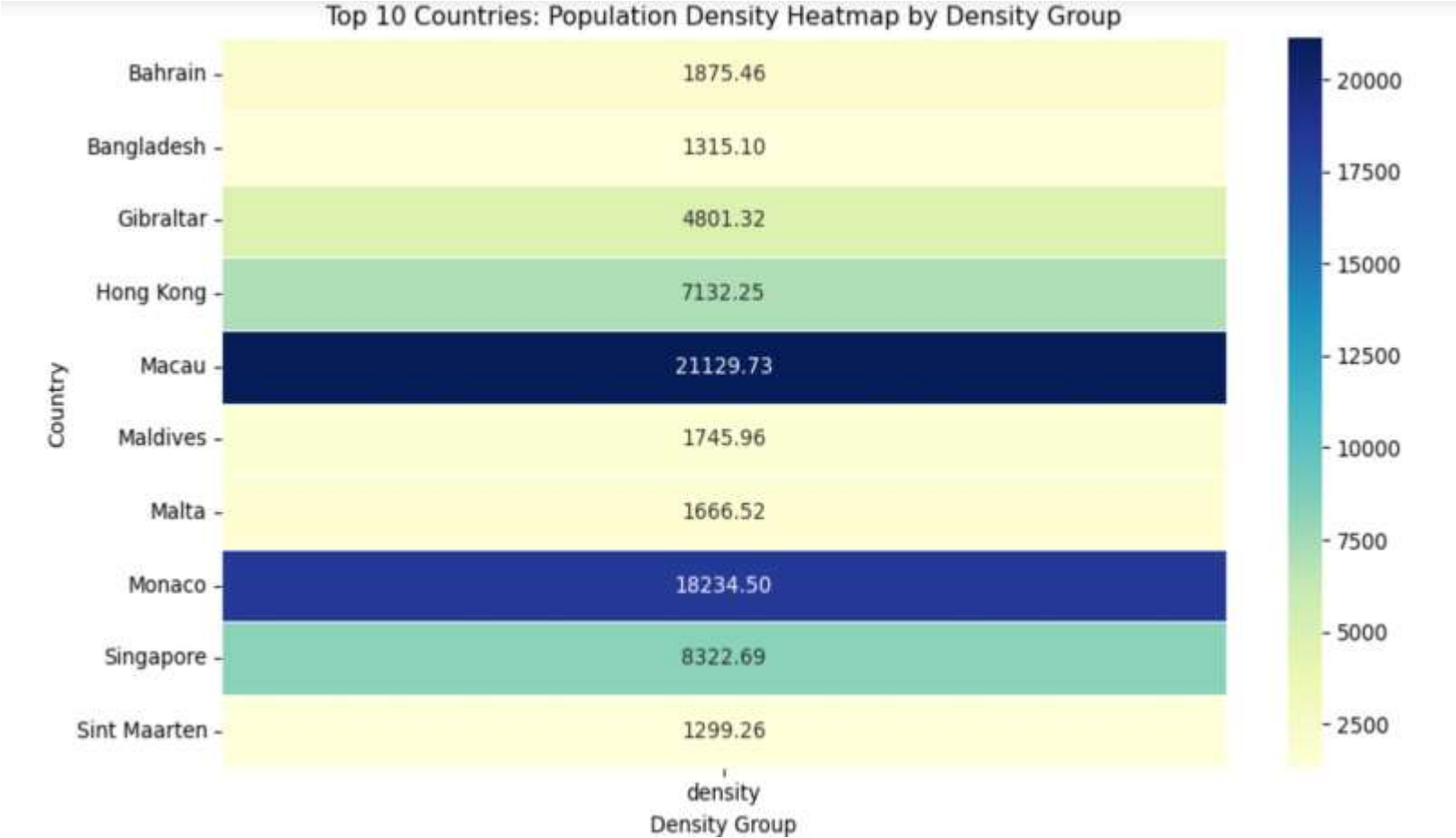area distribution across all countries

Correlation between Population and Land Area:

Analyze the relationship between population figures and land area to understand how population density varies across countries with different land sizes.
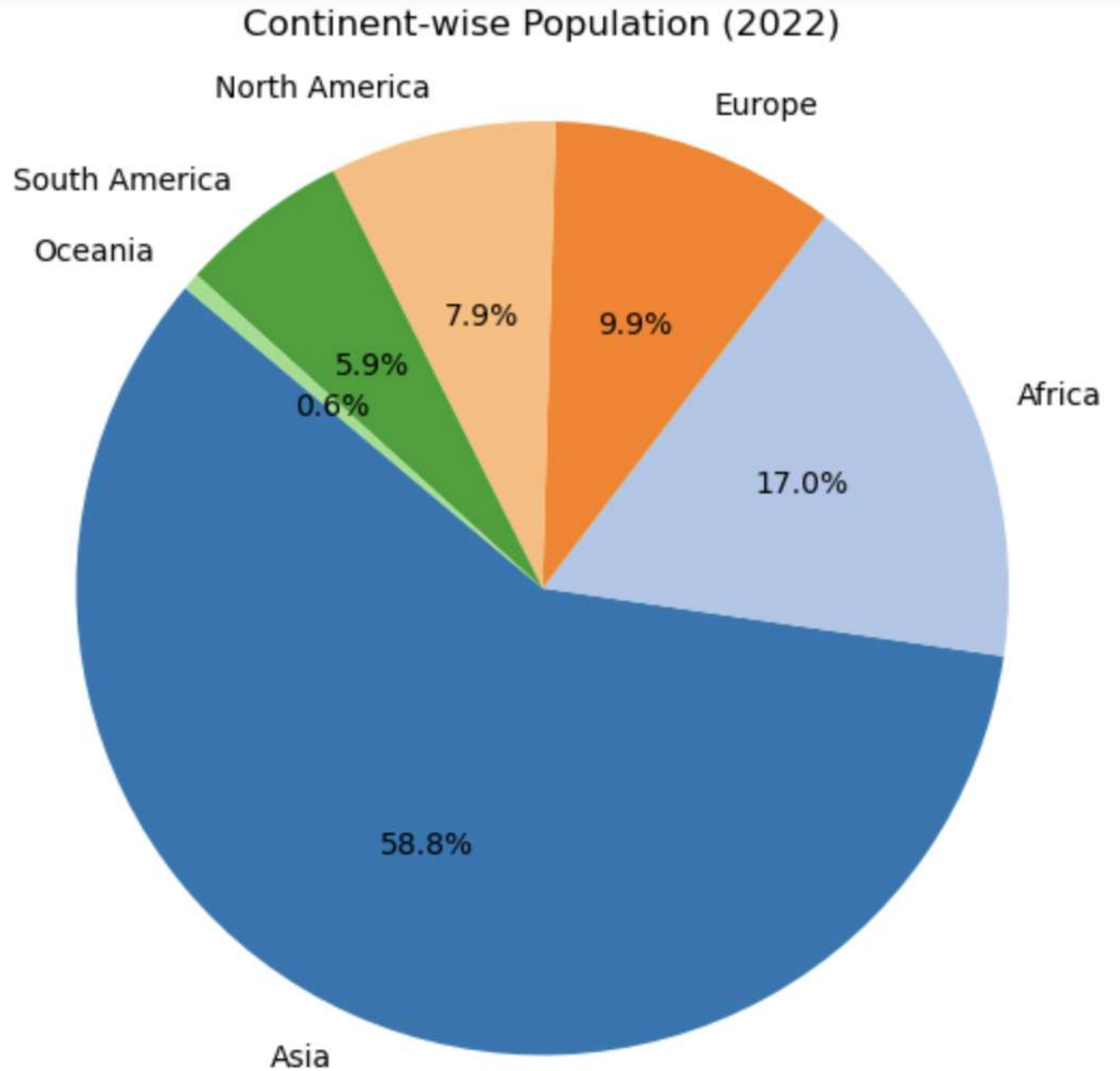
Population Density Analysis:

Investigate the population density of countries to identify regions with high population concentrations and explore the implications for urbanization and resource management.

Top 10 Countries: Population Density Heatmap by Density Group

Country	density
Bahrain	1875.46
Bangladesh	1315.10
Gibraltar	4801.32
Hong Kong	7132.25
Macau	21129.73
Maldives	1745.96
Malta	1666.52
Monaco	18234.50
Singapore	8322.69
Sint Maarten	1299.26

Density Group

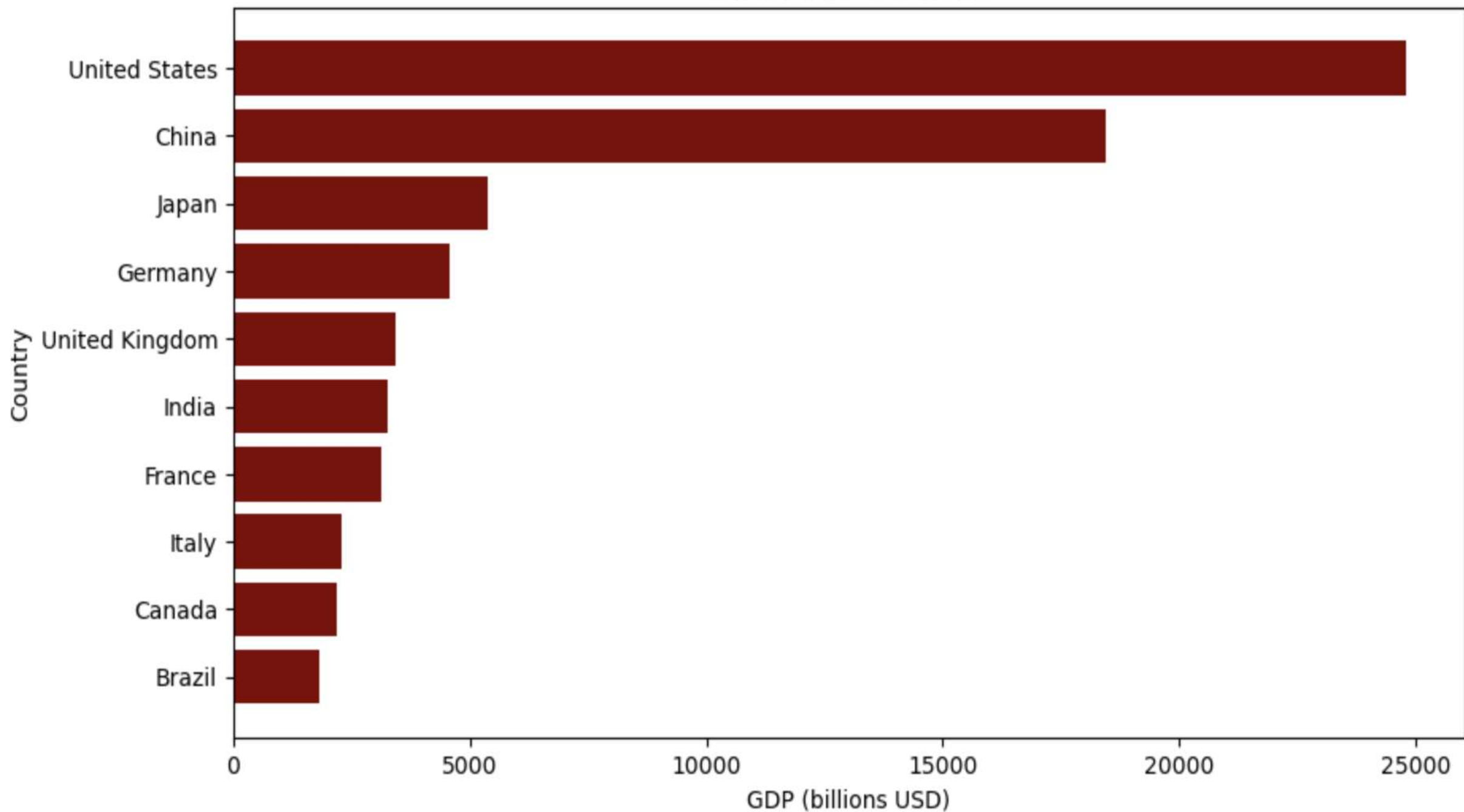**Continent-wise Population Analysis:**

Compare population figures across continents to identify the most populous continents and explore regional variations in population growth rates and densities.

Continent-wise Population (2022)

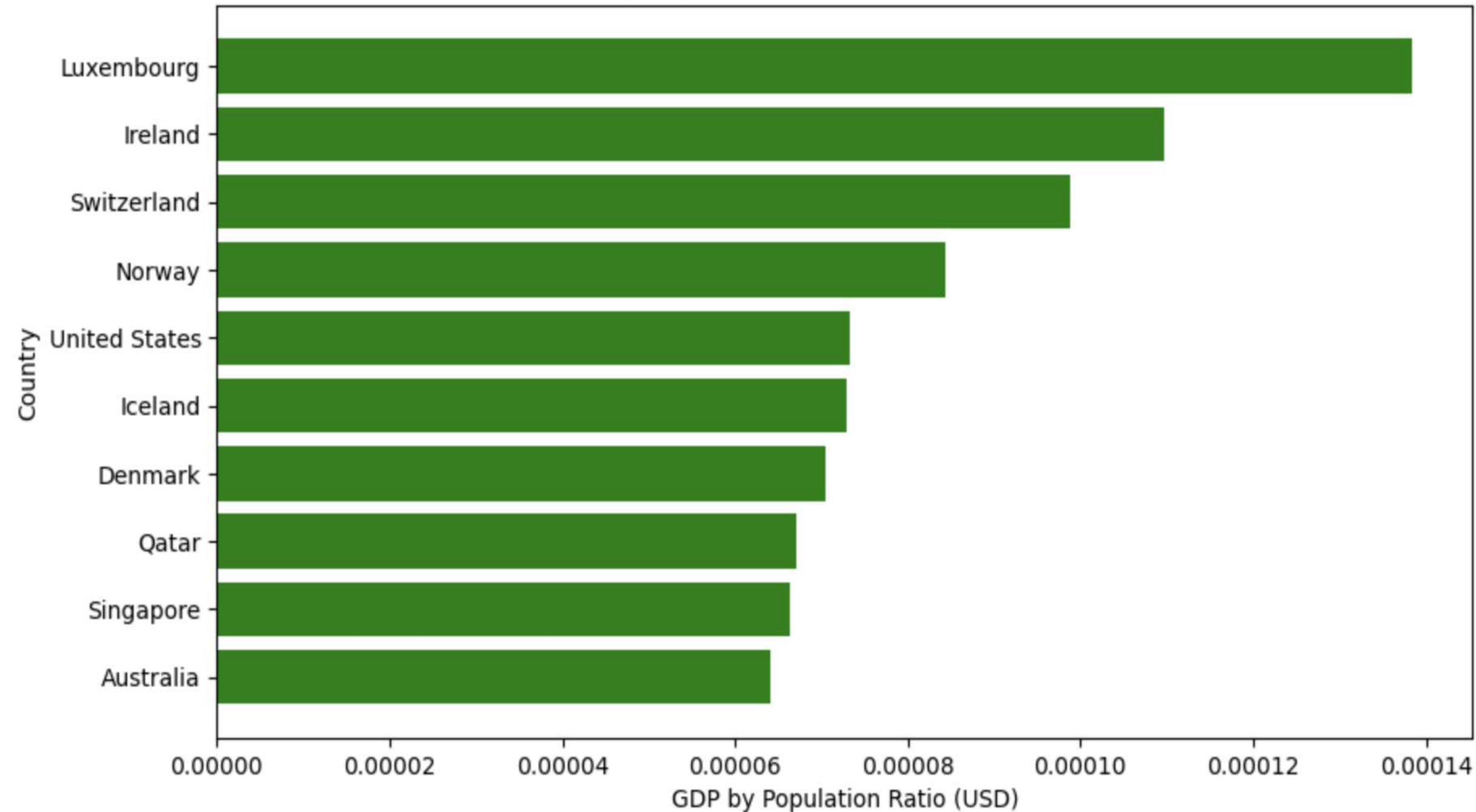# Gross Domestic Product
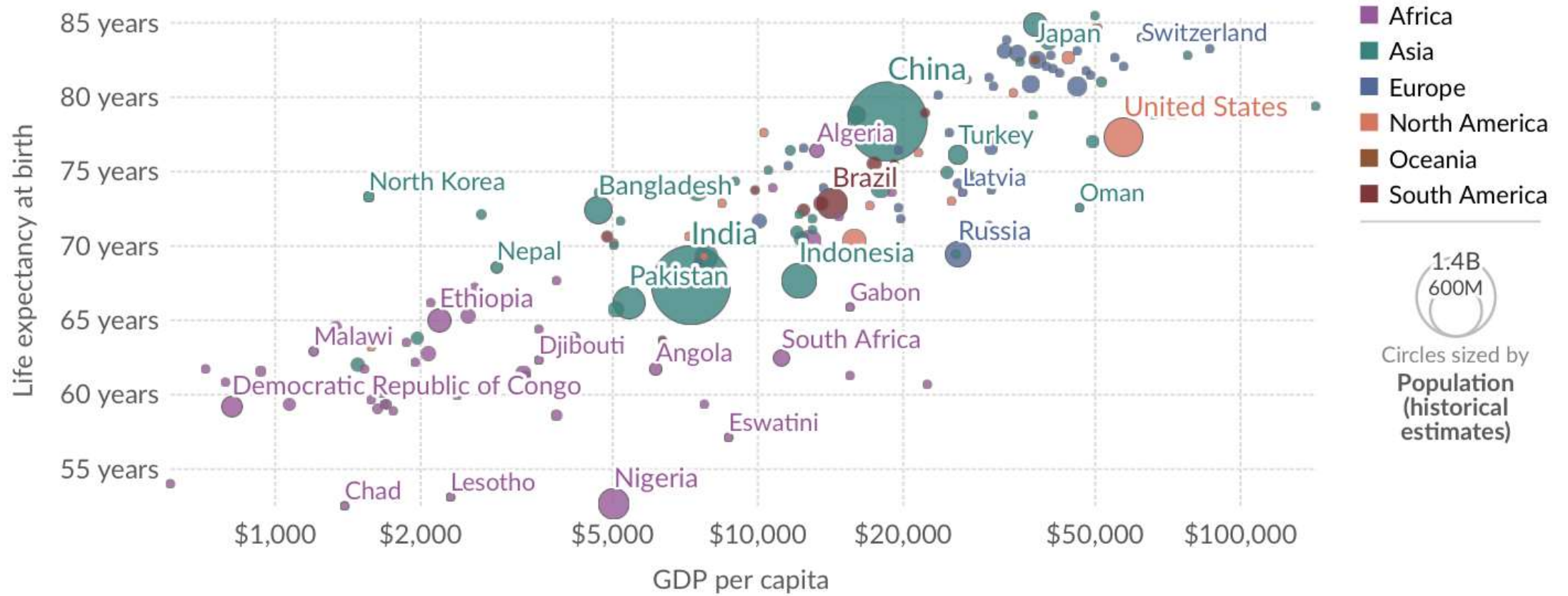## (GDP)

Top 10 GDP Countries

GDP per capita

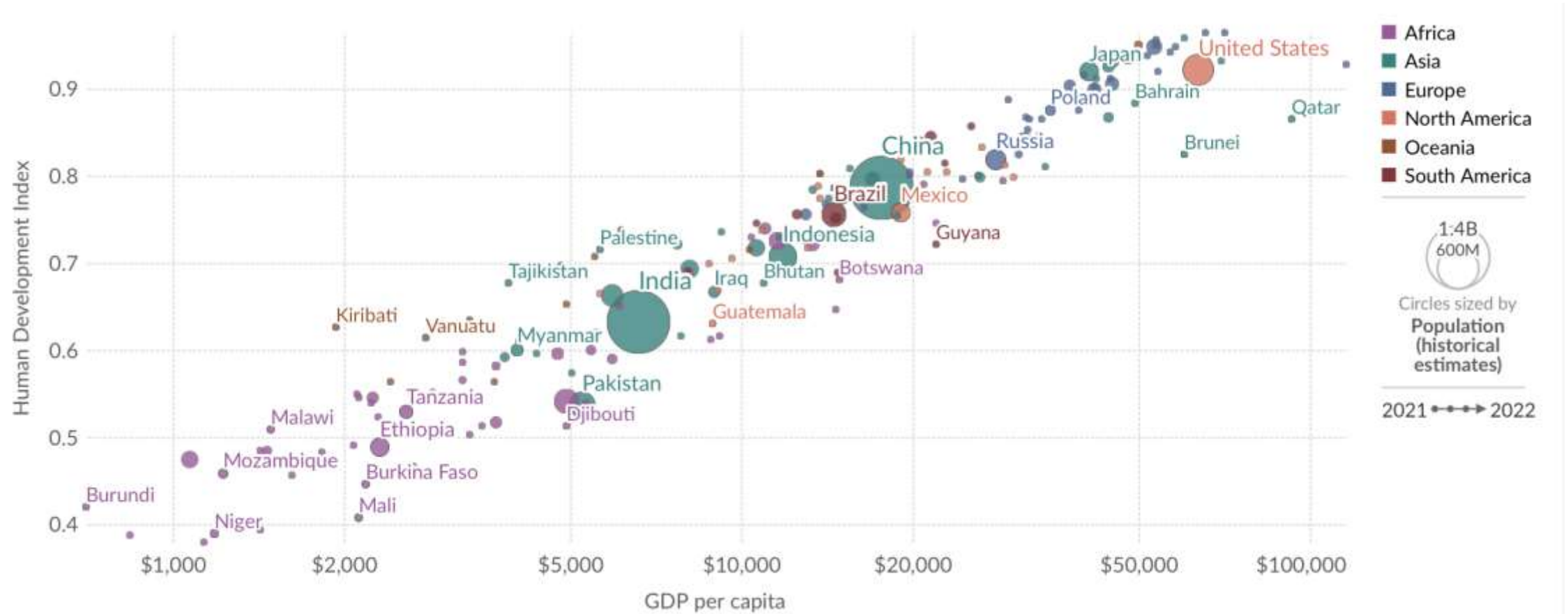GDP by Population Ratio for Top 10 Countries

Average Life expectancy

Human Development Index

THANK YOU