

Data Analytics: Final Project

***Analysis of World Development Indicators in Relation
to Global Economy***

Presented by Marina Bishay

Introduction

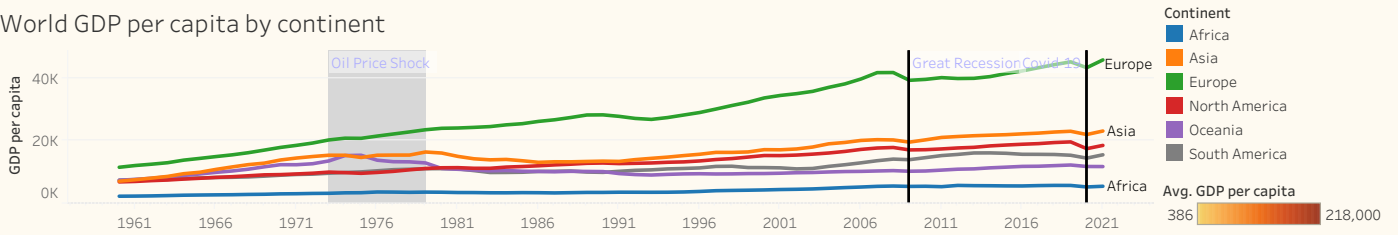
Purpose: To analyze the relationship between GDP and World Development Indicators

Dataset: World Development Indicators from The World Bank

Scope: 207 countries, grouped into six continents, 1900 to 2023

Tools Used: Jupyter Notebook and Tableau

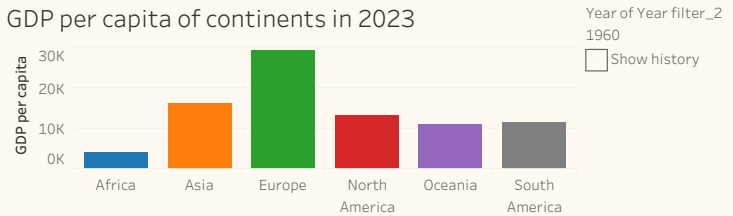
World GDP per capita by continent



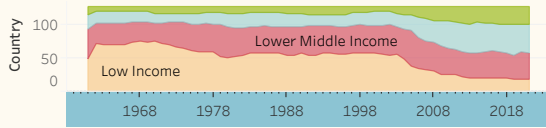
GDP per capita in the World Map - 1960



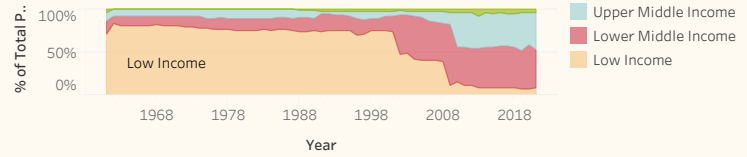
GDP per capita of continents in 2023



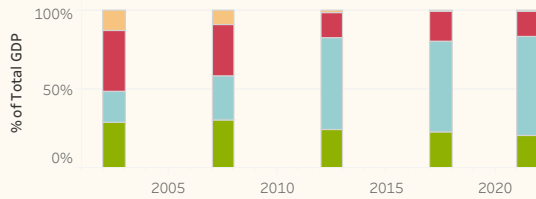
Number of countries in different income categories



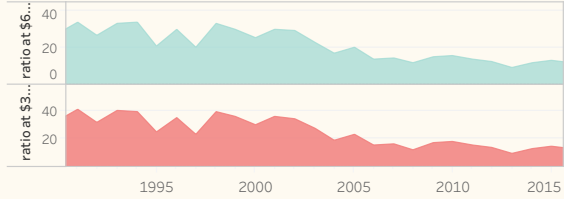
Population share in different income categories



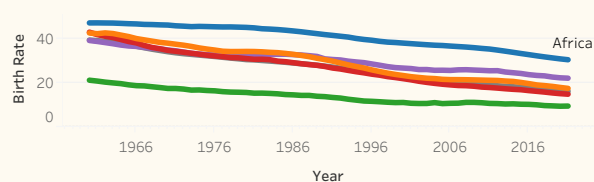
Middle income countries share of GDP



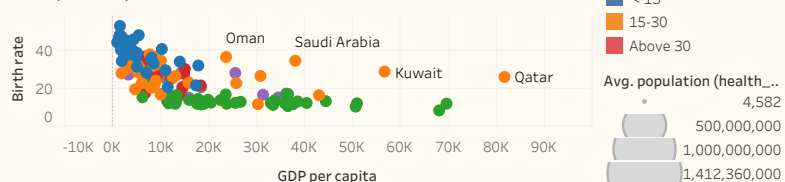
Poverty rate ratio



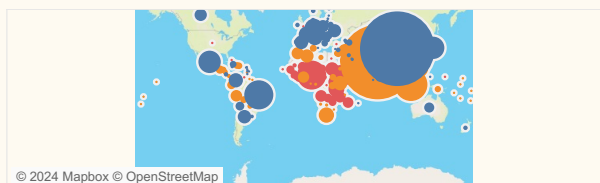
Birth Rate



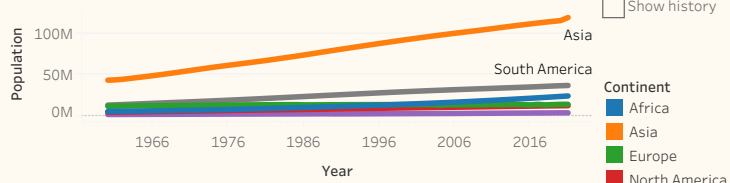
GDP per capita rises, birth rates fall



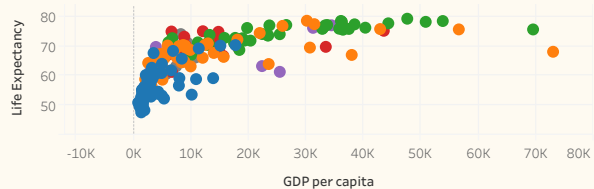
Population and Birth rate Map - 2021



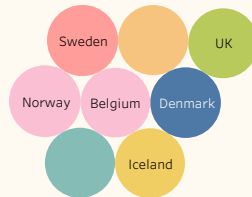
Population



Life Expectancy and GDP per capita

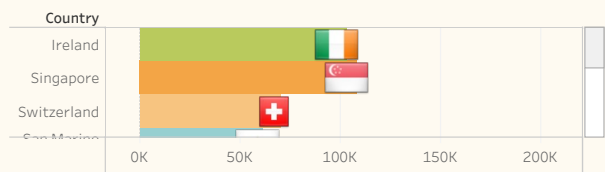


Top 10 countries by average life expectancy in Asia and Europe

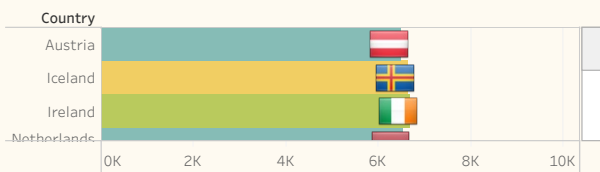


- Country
- Austria
 - Denmark
 - Iceland
 - Ireland
 - Luxembourg
 - ...

Top 10 countries by GDP in Asia and Europe

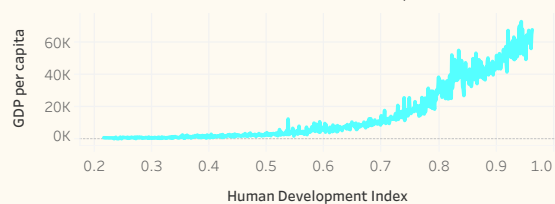


Top 10 countries by Health Expenditure in Asia and Europe

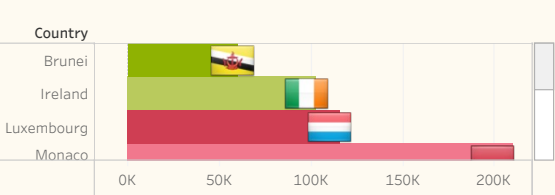


- Country
- Austria
 - Denmark
 - Iceland
 - Ireland
 - Luxembourg
 - ...
- Year of Year filter
2021
- ☐ Show history

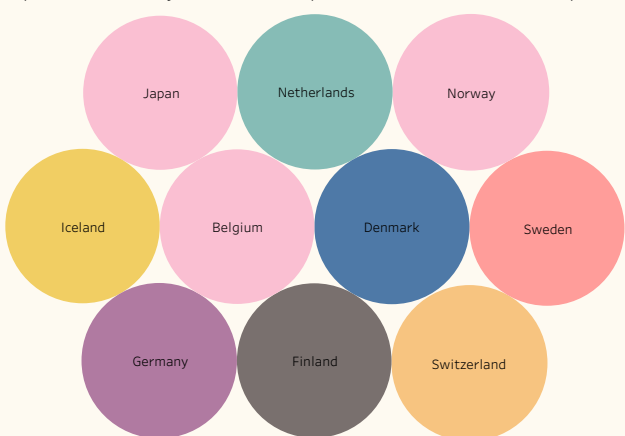
Correlation between GDP and Human Development Index



Top 10 Countries by GDP in Asia and Europe



Top 10 countries by Human Development Index in Asia and Europe



Country

- Belgium
- Denmark
- Finland
- Germany
- Iceland
- Japan
- Netherlands
- Norway
- Sweden
- Switzerland

Country

- Brunei
- Ireland
- Luxembourg
- Monaco
- Qatar
- Saudi Arabia

Year of Year filter
2021

☐ Show history

Key Takeaways

- Global GDP has steadily risen, with Europe leading among continents
- Income classification shows a shift towards Middle and High-Income countries
- Poverty rates have decreased significantly since the 1990s
- Birth rates tend to decrease as GDP increases globally
- Europe's higher health expenditure contributes to higher life expectancy compared to Asia...