

Assignment 05

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Code Cell

Data Loading

Exploratory Data Analysis

Below we analyse three indicators: GDP per Capita, GDP Growth Rate, and Life Expectancy. See Figure 1 and Figure 2 for the figures and Table 1 for the summary table.

Summary Statistics

	gdp_per_capita	gdp_growth_rate	life_expectancy
count	203.000000	202.000000	209.000000
mean	20345.707649	4.368901	72.416519
std	31308.942225	6.626811	7.713322
min	259.025031	-28.758591	52.997000
25%	2570.563284	2.438593	66.782000
50%	7587.588173	4.204431	73.514634
75%	25982.630050	6.200000	78.475000
max	240862.182448	63.439864	85.377000

Bar Chart: GDP per Capita (Top 10 Countries)

Figure Figure 1: Bar chart of GDP per Capita (Top 10 Countries).

Scatter Plot: GDP Growth Rate vs Life Expectancy

Figure Figure 2: Scatter plot comparing GDP Growth Rate and Life Expectancy.

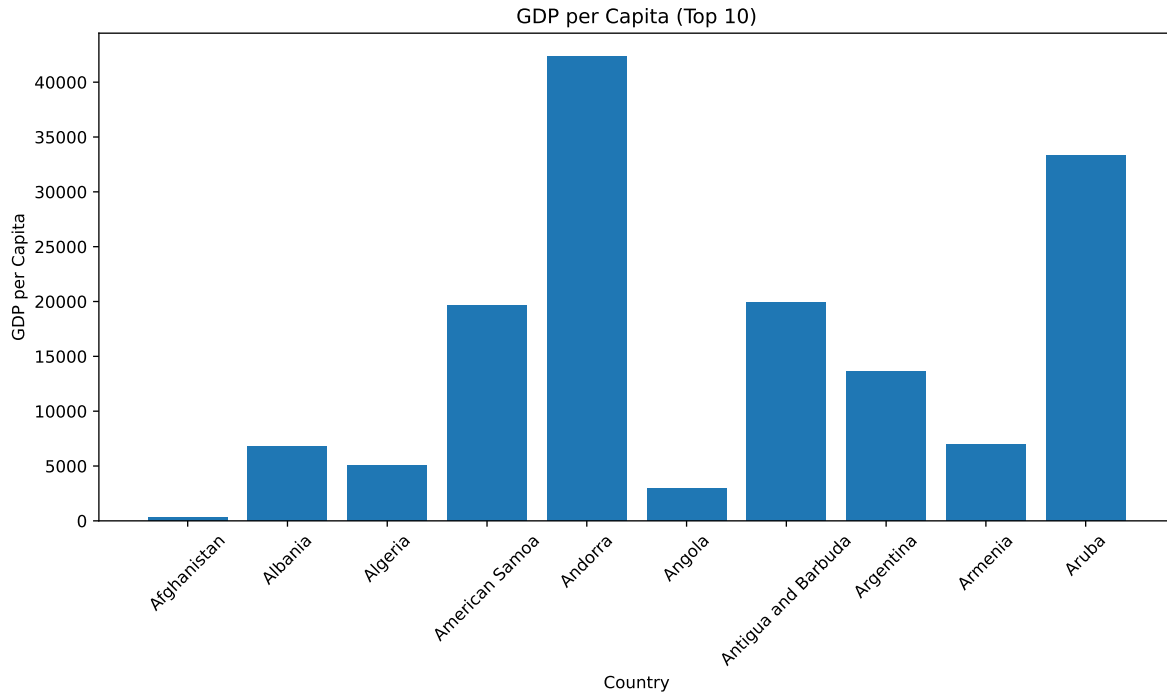


Figure 1: Bar chart of GDP per Capita (Top 10 Countries)

Table 1: Key statistics for selected indicators

	<code>gdp_per_capita</code>	<code>gdp_growth_rate</code>	<code>life_expectancy</code>
mean	20345.707649	4.368901	72.416519
median	7587.588173	4.204431	73.514634
std	31308.942225	6.626811	7.713322

Key Statistics Table

Table [Table 1](#): Key statistics for selected indicators.

References

For more details on the data and methods, see (World Bank 2022) and (RStudio 2023).

RStudio. 2023. *Quarto: Open-Source Scientific & Technical Publishing*. RStudio. <https://quarto.org>.

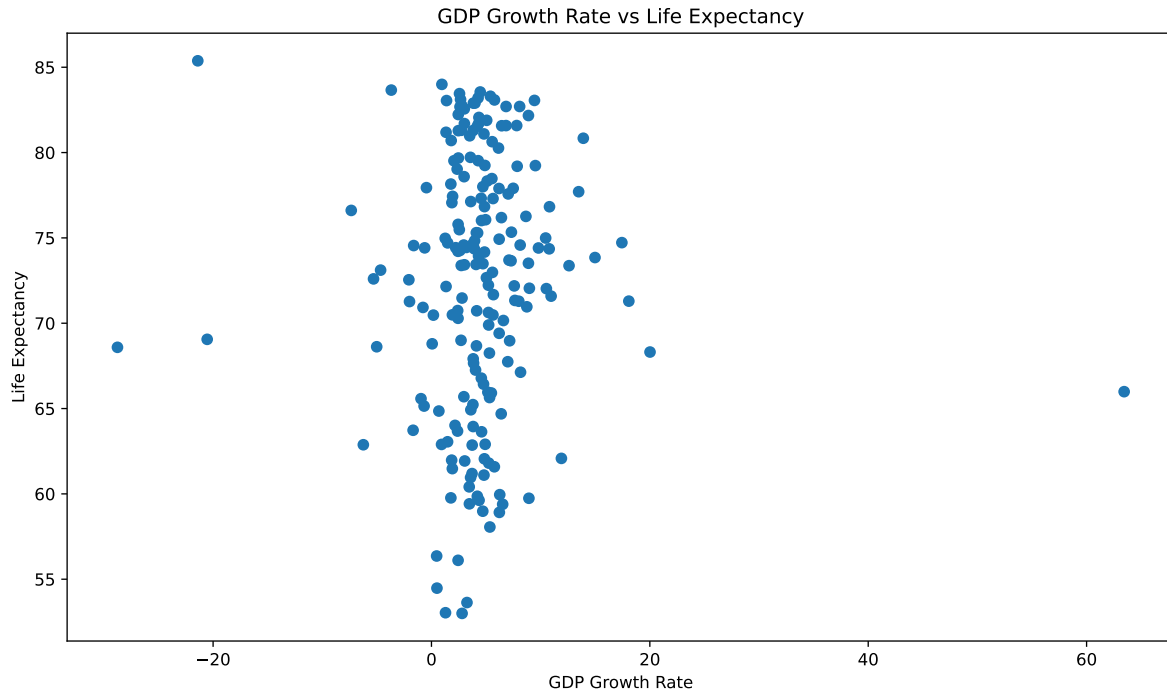


Figure 2: Scatter plot comparing GDP Growth Rate and Life Expectancy

World Bank. 2022. "World Development Indicators." World Bank. <https://databank.worldbank.org/source/world-development-indicators>.