

Assignment 5

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Invalid Date

	country	inflation_rate	exports_gdp_share	gdp_growth_rate	gdp_per_capita	adu
0	Afghanistan	NaN	18.380042	-6.240172	352.603733	Na
1	Albania	6.725203	37.395422	4.856402	6810.114041	98.
2	Algeria	9.265516	31.446856	3.600000	5023.252932	Na
3	American Samoa	NaN	46.957520	1.735016	19673.390102	Na
4	Andorra	NaN	NaN	9.563798	42350.697069	Na
...
212	Virgin Islands (U.S.)	NaN	NaN	NaN	NaN	Na
213	West Bank and Gaza	3.741224	18.436253	4.082760	3799.955270	97.
214	Yemen, Rep.	NaN	NaN	NaN	698.850350	Na
215	Zambia	10.993204	40.193998	5.249622	1456.901570	Na
216	Zimbabwe	104.705171	27.955246	6.522375	1676.821489	89.

First thing that I found out from the analysis of the data that was given, which was from 2022 as shown in Figure 1, Monaco has the highest gdp per capita, followed by Liechtenstein, Luxembourg, Bermuda, and Norway as top 5 GDP per capita. Comparing this data to the one from 2001, we learn that the countries with top 5 gdp per capita are Luxembourg, Switzerland, Norway, United States, and Denmark (Fund 2001). This data shows that Luxembourg and Norway stayed as countries with top 5 gdp per capita, indicating that people from those two have been maintaining high level of economic output for a long time

Also in the chart that shows life expectancy vs unemployment rate, it suggests that the country with the lowest unemployment rate (Qatar) has life expectancy that is higher than other countries and the country with the highest unemployment rate (Eswatini) has life expectancy that is lower compare to other countries. See Figure 2 Furthermore, the correlation of the unemployment rate and life expectancy is generally negative (Assari 2017).

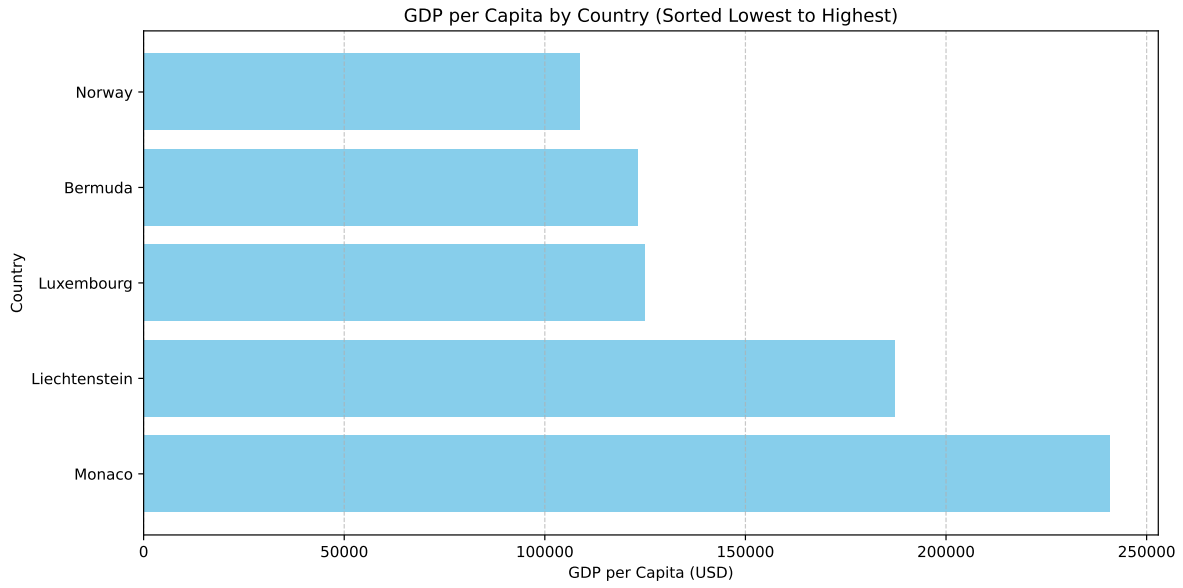


Figure 1: GDP per Capita by Country (Sorted Lowest to Highest). Source: Mock Data.

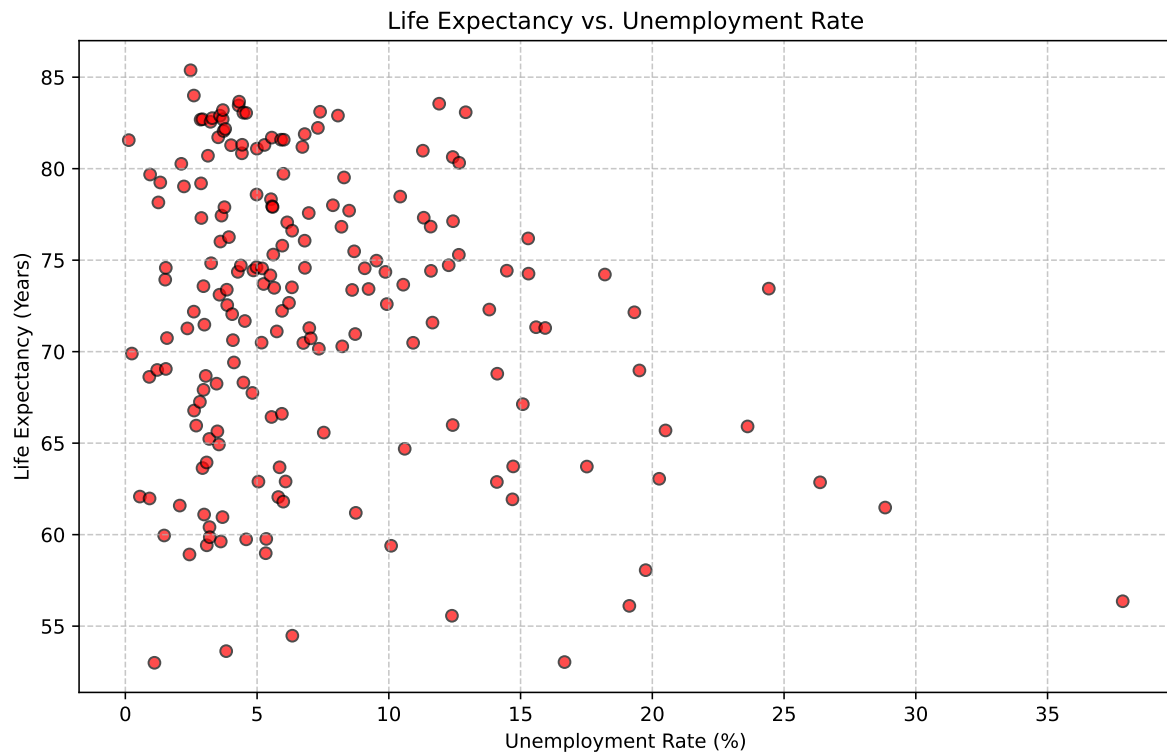


Figure 2: Life Expectancy vs. Unemployment Rate. Source: Mock Data.

Metric	Value
Mean GDP Growth Rate (%)	41208.20
Mean Unemployment Rate (%)	7.74
Mean GDP Per Capita (USD)	41208.20
Mean Life Expectancy (Years)	73.01

Assari, Shervin. 2017. “Life Expectancy Gain Due to Employment Status Depends on Race, Gender, Education, and Their Intersections.” <https://pmc.ncbi.nlm.nih.gov/articles/PMC6392452/#:~:text=Employment%20may%20increase%20life%20expectancy,net%20of%20covariates%20%5B23%5D>.

Fund, International Monetary. 2001. “World Economic Outlook Database.” <https://www.imf.org/en/Publications/WEO/weo-database/2001/October?>.