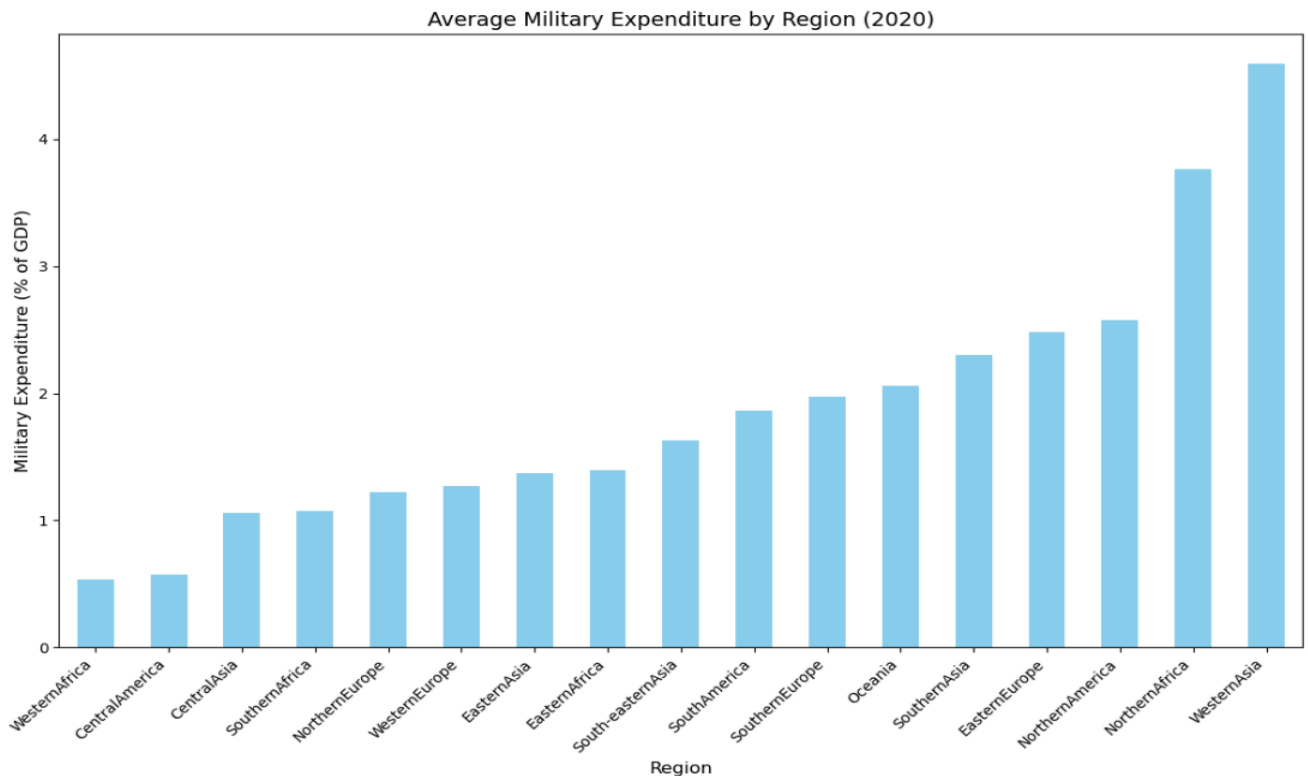


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**Assignment:** Statistics and Trends

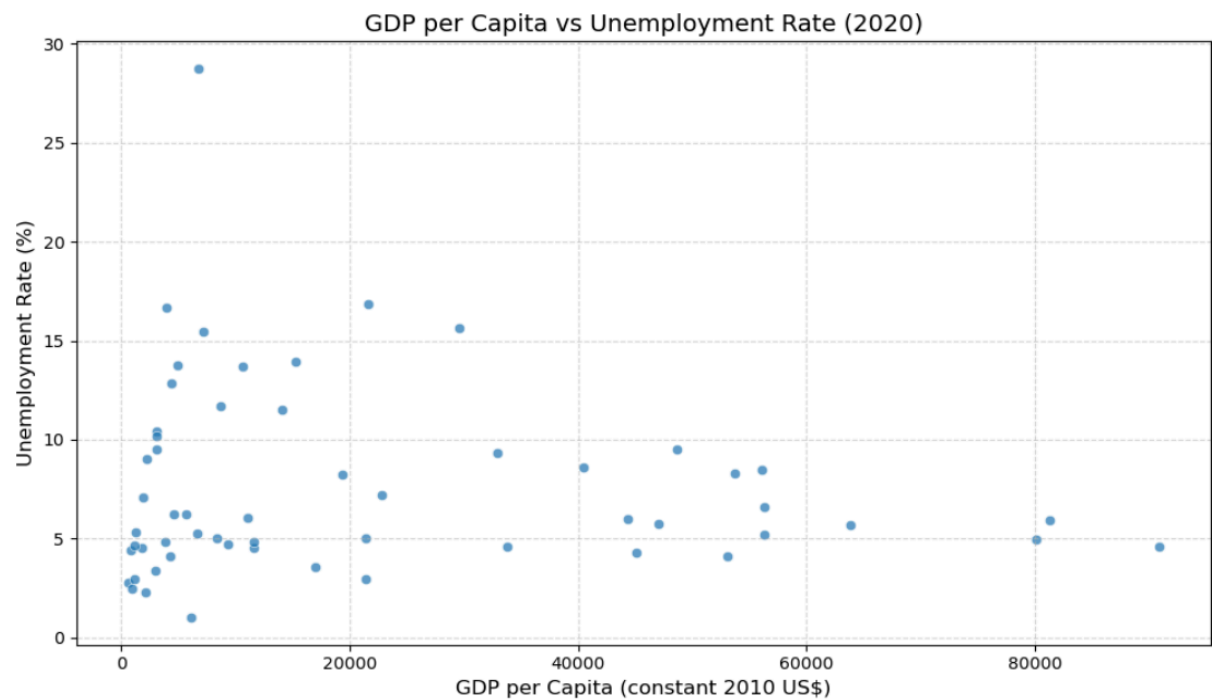
I chose the World Bank Economics/Demographics Dataset from [Kaggle](#) to learn key insights of economic, demographic, and social indicators for different regions and countries around the world, specifically for the year 2020. My code and report can be found on [Github](#). In my notebook, first I have analyzed the dataset and then after preprocessing I have plotted a heat map to understand the correlation between the columns.

The 1st graph is a categorical plot which shows the relation between the region and military expectation GDP. Reason of choosing these columns is because of visualizing and analyzing which regions allocate a lower versus a higher portion of their GDP to military spending. This comparison shows how much military is allocated in their region which directly impacts the economy.



The 2nd graph is a relational graph plot which shows the relation between the GDP per Capita and Unemployment Rate. This plot will help to see if there's a trend or correlation between the wealth of a country and its unemployment rate. This also shows how different regions prioritize

defense spending relative to their economies.



The 3rd graph is a statistical graph plot which shows distribution of the age dependency ratio across different regions or income levels. The box plot will demonstrate a clear comparison of how dependency ratios vary, highlighting regions with younger or older populations.

