FIT3179 HOMEWORK REPORT

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Tutorial 02
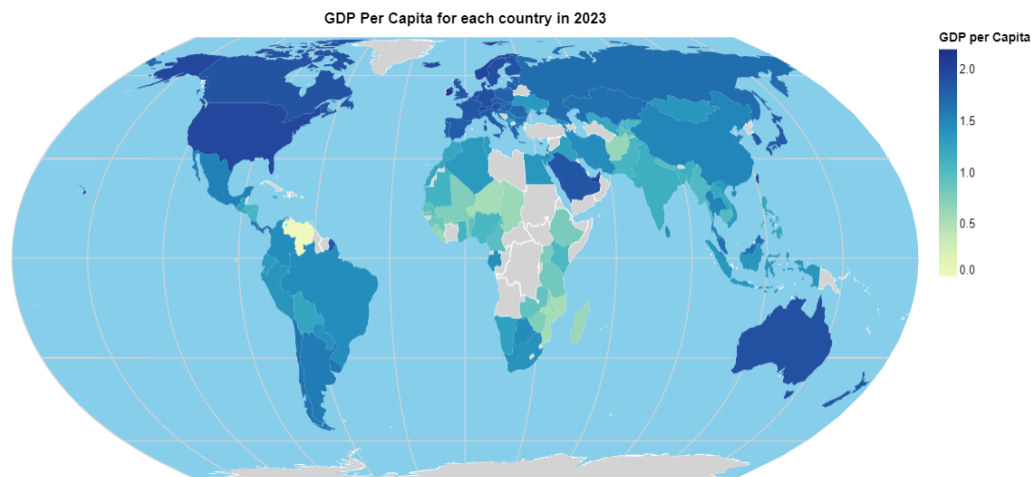
Figure 1: Choropleth Map

Webpage link: https://tongjetkit.github.io/FIT3179-HomeworkAssessment/

Domain:

The dataset is a comprehensive evaluation of happiness index score and the factor influencing it including GDP per capita, healthy life expectancy and freedom on each country for every year.

Visualized Dataset:

The source of the dataset from the World Happiness Dataset, which is published by the Sustainable Development Solutions Network, powered by the Gallup World Poll data. The data contains nominal and quantitative data which is supported by the table below.

Column	Attributes	Description
country	Nominal	The name of the country
gdp_per_capita	Quantitative	A measure of Gross Domestic Product per capita relative to other countries

Data Transformation:

No data transformation is needed as the data is normalized already.

Map Idiom:

The map idiom I chose to do is a Choropleth Map. This is because it is a powerful way to represent data across different geographic regions. With the usage of colour luminance, we can show the changes in the quantitative dataset or even do data comparison easy between 2 regions. Therefore, regional disparities are clearer and more accented through the usage of colour luminance.

I decided to use a Choropleth Map instead of a proportional map or a dot map as the data given is normalized so a Choropleth Map idiom would be a suitable idiom instead to visualize the data. Moreover, our dataset contains area-specific data rather than point specific data, so by using a

Choropleth map, we can visualize the spread of data on an area rather than on a point which allows us to make insightful observations on the economic structure of each country.