FIT3179 Week 10 Homework
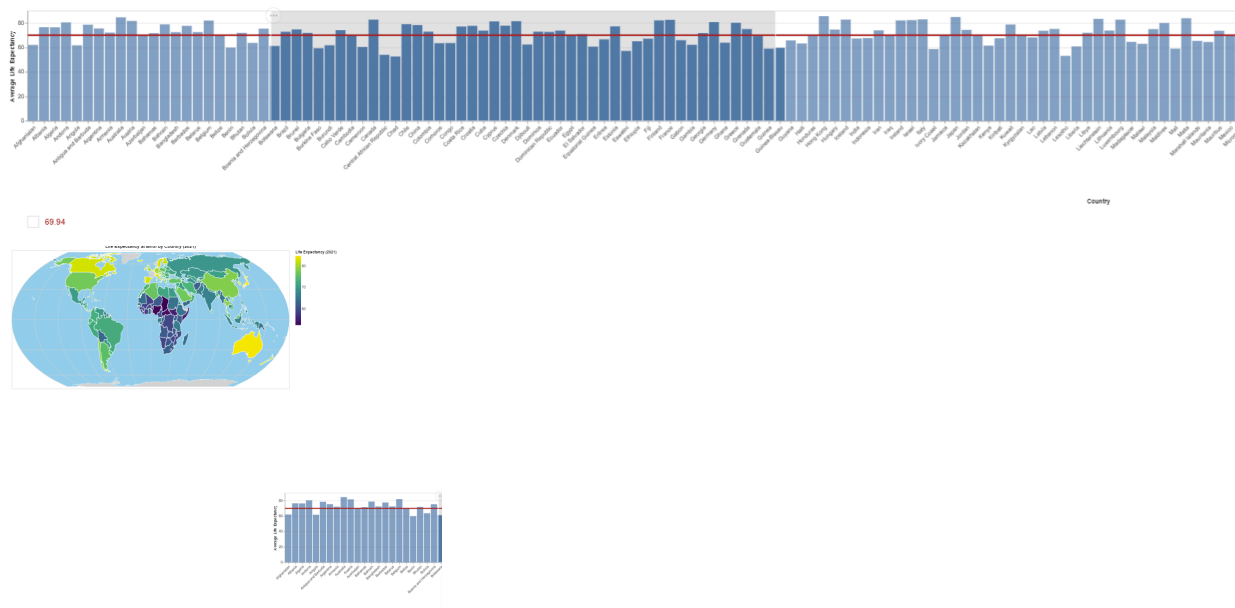
Author: Albino Leirum

ID: 32524293

Studio: 21

Tutor: Gavin Mooney

ScreenShot:

URL:

Domain: Life Expectancy at Birth Across the Globe
Author: Sourav Banerjee
Source:
https://www.kaggle.com/datasets/iamsouravbanerjee/life-expectancy-at-birth-across-the-globe

Data type: The dataset contains structured quantitative data in CSV format, providing life expectancy values for different countries and using life expectancy in 2021 and other countries.

Data Transformation: Country names were kept intact for easy identification on the x-axis. I ensured the country names matched the life expectancy dataset to prevent misalignments in the graph and ensure correct data representation.

The brush interaction allows users to select a group of countries, and the dataset transformation ensures that life expectancy values for these countries are accurately aggregated and displayed.

Justification for Using a Bar Chart: A bar chart was chosen for this data because it is an effective way to compare life expectancy across countries. The brush selection allows for a dynamic comparison of a subset of countries. This chart type offers a clear and concise way to visualise the average life expectancy of selected countries, which would be harder to do with a map format in this specific scenario.