Kobe Nadji ID:34976981 LAB: Friday 12pm Tutor: : Mona Alzahrani

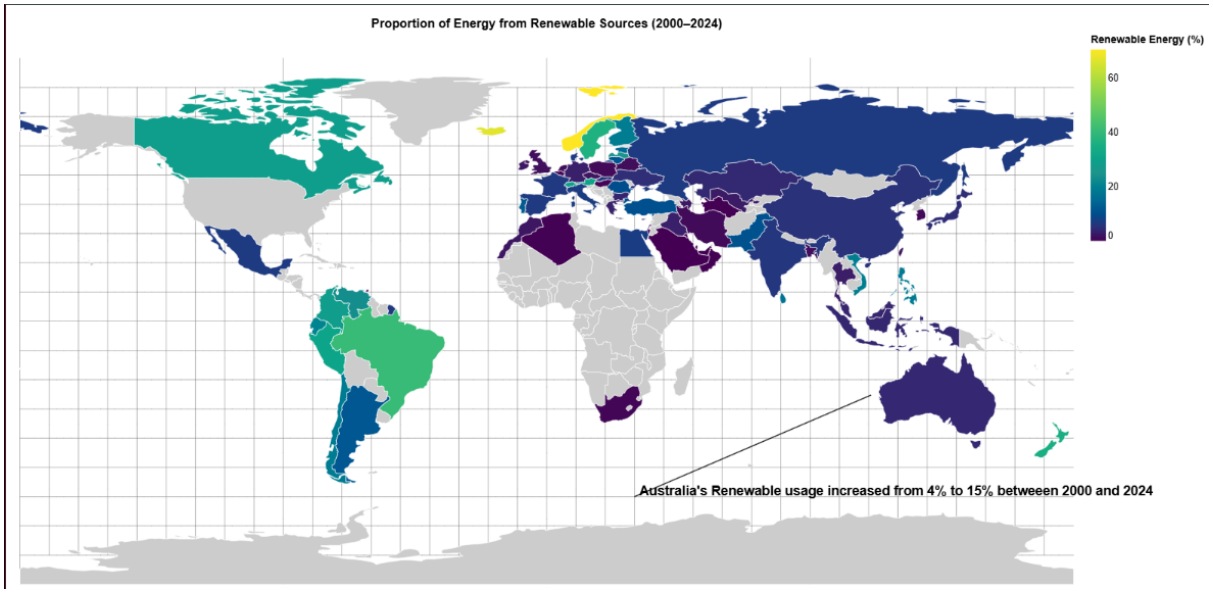
Domain: An exploration of renewable energy around the globe.

Link: https://koben86.github.io/W10HomeWork/

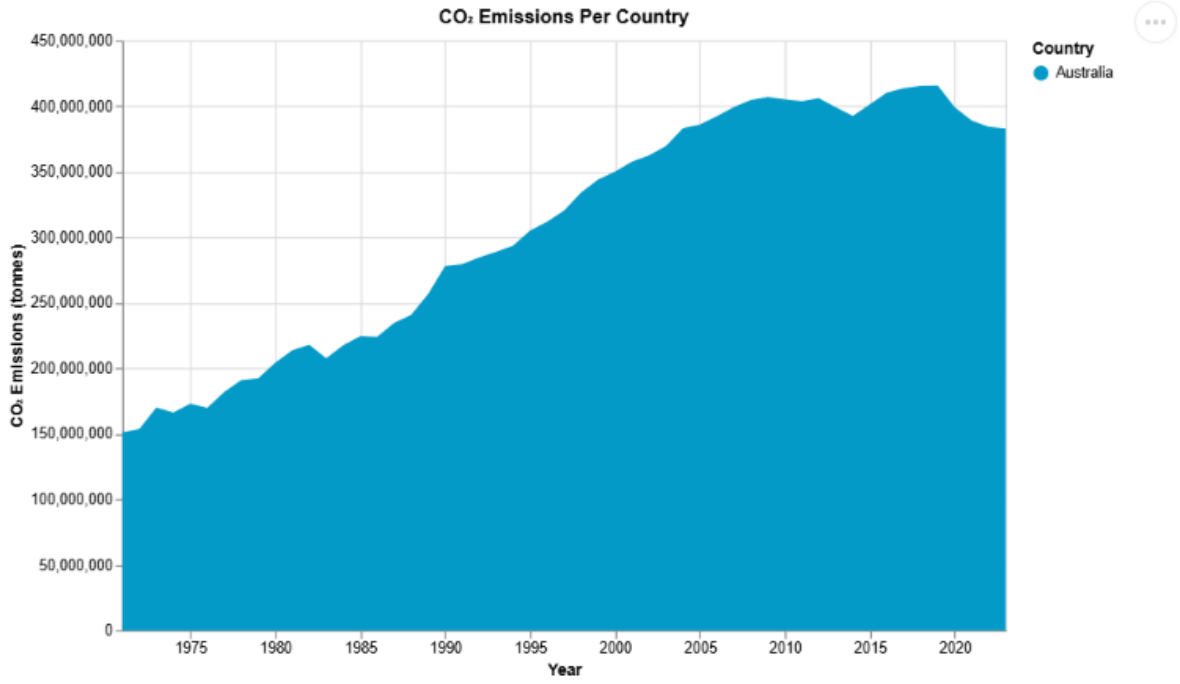
Data source: https://ourworldindata.org/renewable-energy

A choropleth map was used because this data is continuous, shows the entire area of a country, which fits because the data represents each country. Additionally, the colour difference allows effective comparison, compared to the area mark. Additionally, since this is a percentage it makes sense compared to an area mark like in proportional symbol, since small countries with high renewable usage may cover other countries.

The year filter was chosen for the choropleth map because it helps show the global growth over time. The second graph is an area graph with the country as the filter. The area was chosen as opposed to a bar chart is because the time data is continuous rather than discrete and area chart more effectively conveys this. This allows the user to see that net emissions have still gone up even though the renewable usage % has gone up. The country selection was chosen as it allows the user to focus on Australia first, then explore and compare to other countries afterwards. This forces a comparison between Australia and other countries of interest. For the map the tooltip allows the user to see the exact value and name of the country, this helps complement the colour channel to compensate for the less effective communication of colour. A similar reasoning can be applied for the area chart.



Select Year: 2000



Select Country: Australia