

Design – Mares Verbrugge

I've focused mainly on the scope of this assignment. I searched for an interesting dataset that would have multiple variables, as required for a linked view and extra interactive (bootstrap) element. Now that I'm looking for a city to move to, outside the Netherlands, I'm interested in living conditions across countries in the world. Therefore, the Quality of Life Index seemed interesting. I have always wondered how one assigns a living score to a country. This dataset was perfect because it showed the scores on different indices, giving an explanation for creation of the overall Quality of Life Index.

I wanted to make it easy to compare between:

- countries → initial barchart;
- years → bootstrap radio button barchart;
- and scores on different indices → grouped barchart

Barchart are the perfect visualisation for comparisons.

I split my dataset into two datasets to practice the use of queue. (Later, I found out that I needed datasets for another year so this wasn't necessary). I learnt that the `queue()` function can only contain one function in the `await()` function. So I decided on making a `MainFunction` and put that in the `await()`. In this main function, I wanted to limit (the duplication of) code. Therefore, I first set up everything for my charts, then added extra functions inside this main function for the preparation of data, the remembrance of the highest/lowest scoring countries in each dataset, the drawing of the initial barchart and grouped barchart, and an update function for the grouped barchart when the user would select a country to view.

I used green bars for the barchart because this chart shows the quality of life, which gives the spirit of positivity, as does the color green. I used different colors for the grouped barchart to make clear that the indices showed in the grouped barchart are different units than the quality of life index.