Design Process
Marieke van Maanen (10888640)

1. Selected my dataset first. I copy pasted the table and converted it to a JSON file on the internet. The JSON file was chosen because the data could be used in my visualization immediately.

2. Loaded my datafiles (using d3.queue) into JavaScript file linked to an HTML file.

3. Loaded a map of the world onto my page to making a basis for an interactive visualization. Africa was centred because my data only includes only African countries.

4. Created a barchart to show slave exports per country later on. I chose a barchart because it gives a clear overview between different the locations slaves were transported. I first selected overall slaved trades to make sure the graph would visualize data correctly.

5. Created a tooltip for map and barchart. When hovering over a country (map) or a bar (barchart), corresponding slave exports were shown to give user information.

6. Coloured the countries in the map by different categories. It enables to see differences in number of slave exports between different countries. It gives a quick overview in which countries many slaves were exported. Created a legend for the colours to inform user which colour correspond with number of slave exports

7. Then, I created an update function for the map. When clicked on a country, the barchart updates and shows data from selected country which makes the page interactive.

8. The last part of the interactive visualization was to create a button (using bootstrap) to show the total slave exports in Africa. I thought it was important the user can go back to the overall information.

9. Now, I wanted to style the page. Therefore, I used bootstrap. I made a button for the story telling, this design file and data source. Divided the page in two columns to show map and barchart next to each other so visualizations are visible at one glance.

10. The orange/brown colours for Africa were chosen because this matches African nature colours like steppe and savannah. The dark blue colour was chosen because it's a complementary colour of orange (color.adobe.com)