

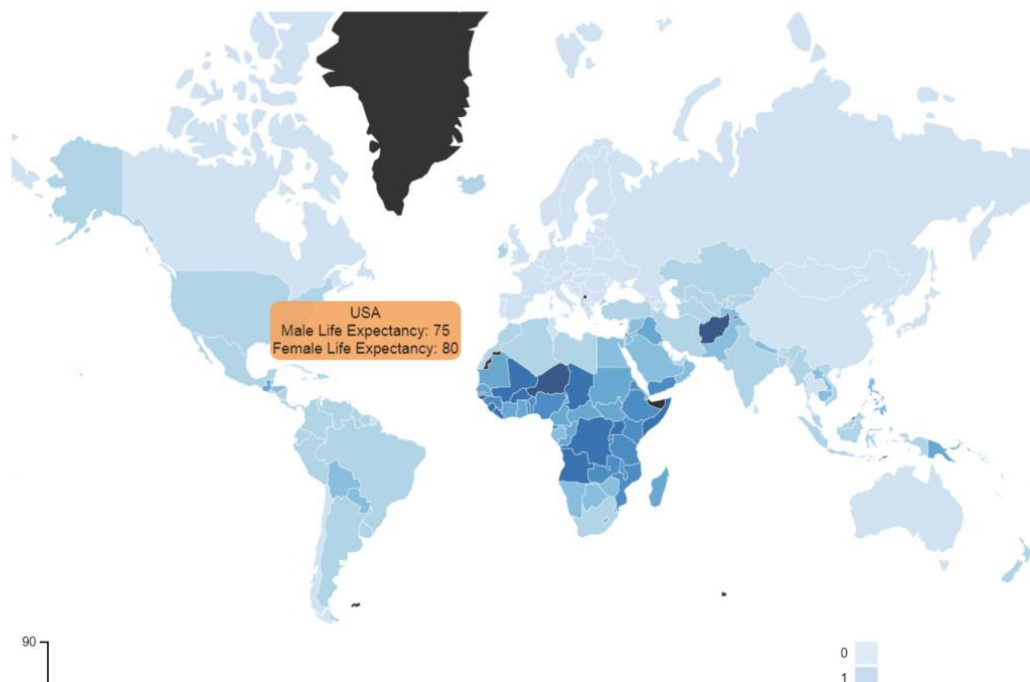
CPSC PROGRAMMING ASSIGNMENT

Simple Design

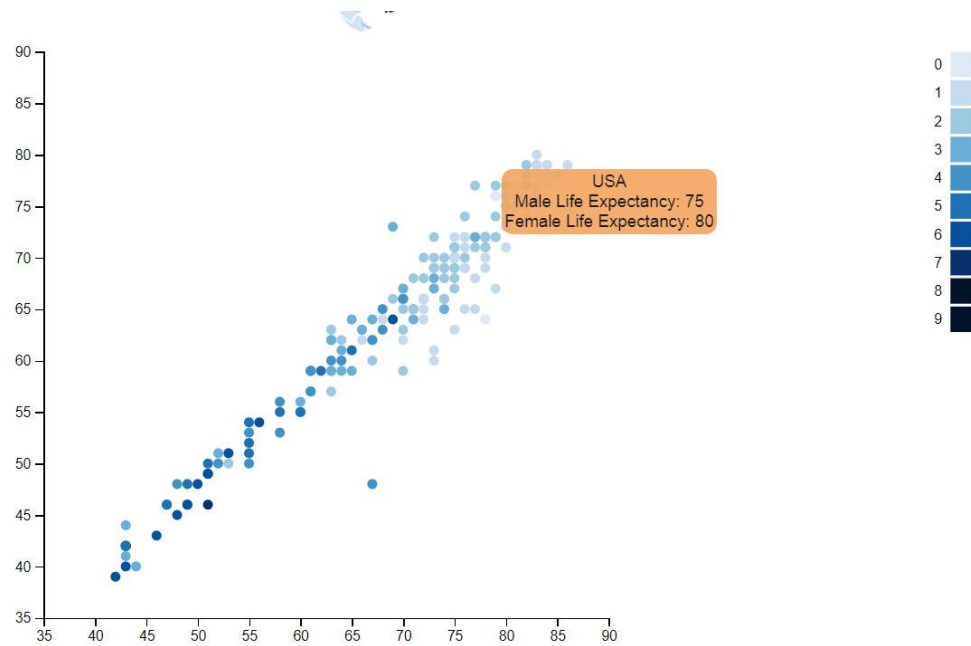
The design I implemented is such that when points in the scatterplot are clicked, their corresponding country regions in the map chart will be highlighted in orange with a black border outline to contrast the blue color scheme. This is for easy detection of selections in the map chart. Moreover, a thin line will also be generated connecting the scatterplot point and the center point of its matching country (map) region. Analogous to the high-contrast highlight, this is done so that the user will have a better view of what is currently selected in the scatterplot.

Annotated Screenshots & Description for Selection & Deselection

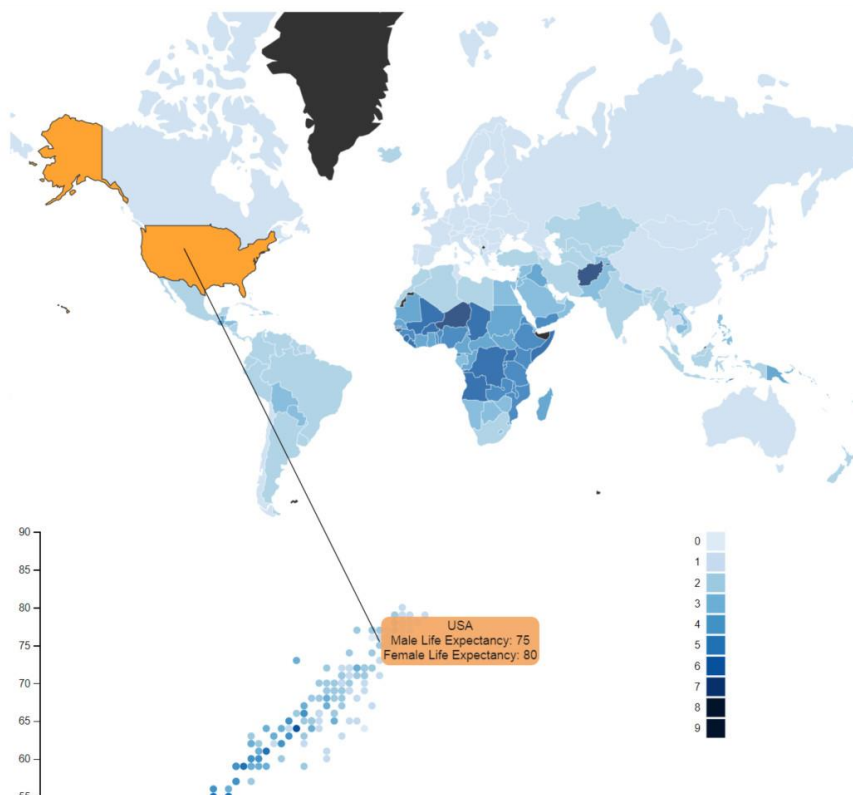
Hovering over a map region will pop up a tooltip that states the name of the country, and its male and female life expectancy values.



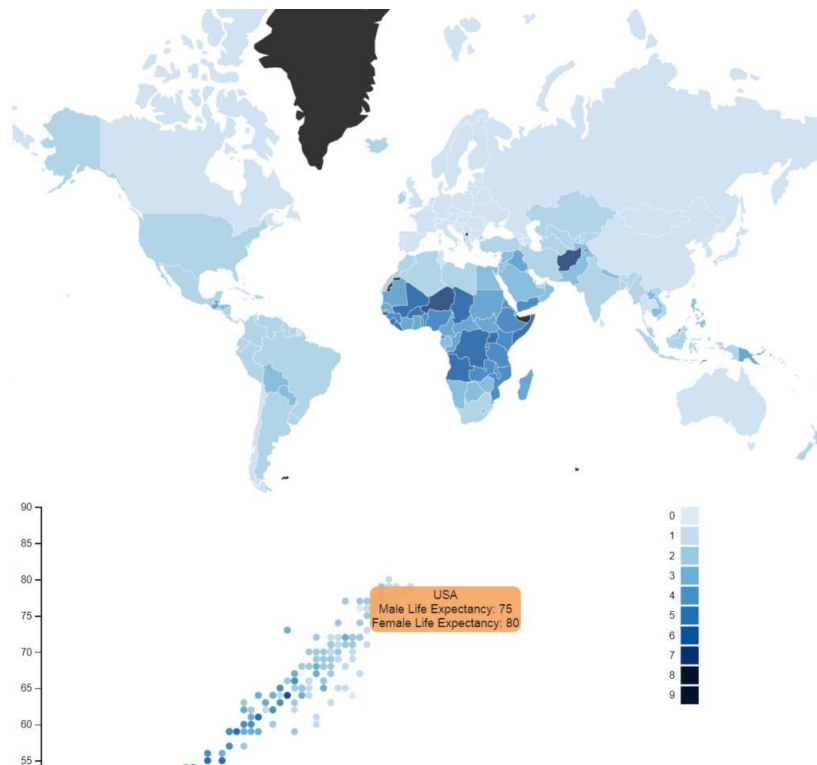
Hovering over a scatterplot point will pop up a tooltip that states the country it corresponds to, and the male and female life expectancy values for that country.



A selection is done by clicking on a scatterplot point which highlights its corresponding country's region in the map chart, and draws a line between the center point of this highlighted map region and the selected scatterplot point.



To deselect a currently selected country, click on its scatterplot point. This removes both the highlight in the map region and the line connecting the region to the scatterplot point.



Multiple selections are permitted.

