Project 3 – Data Visualization

Life Expectancy by Country

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Topic:

Our group will be looking at the life expectancy by country. “Life expectancy, averaging a person's lifespan from birth to death, varies globally due to factors like genetics, lifestyle, and healthcare access.” We will be looking at the data and breaking it down by gender and year per country.

Data:

The data provided is from the United Nations (UN) and World Bank (WB). There is gendered data from both UN and WB. Our team will be using the data provided by the UN. There are 229 countries included in the dataset. The UN data also provides data over the years (1950-2101). Our team will need to decide what data we need, then ensure the data is cleaned and ready for import into a database, before creating our visualizations.

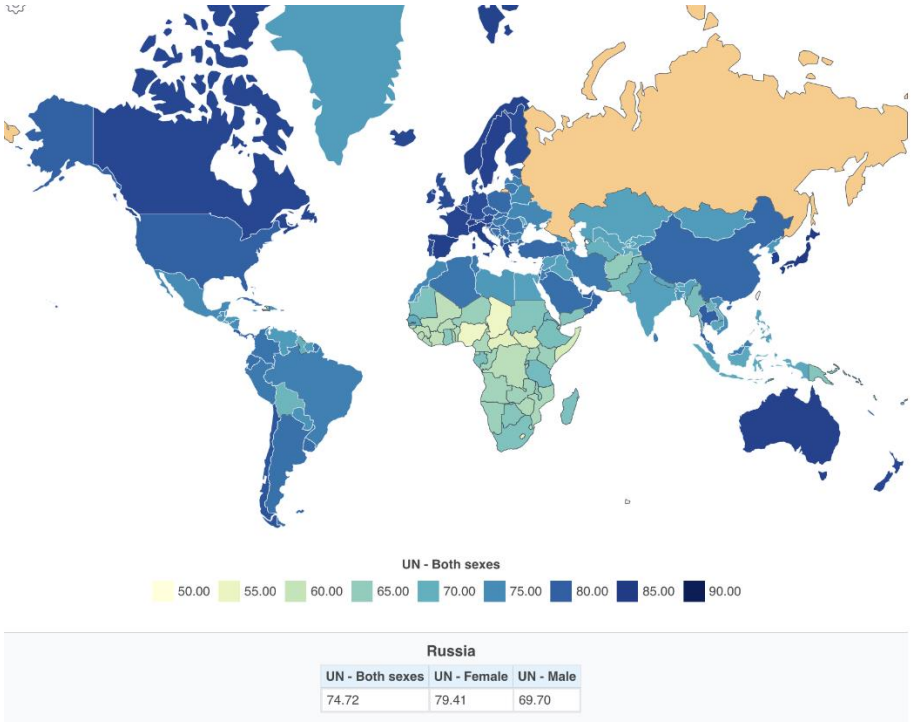
Country	UN - Both sexes	UN - Female	UN - Male	WB - Both sexes	WB
Search... (229)	Min Max	Min Max	Min Max	Min Max	Min
Monaco	87.14	89.11	85.29		
Hong Kong	85.96	88.79	83.13	85	88
Macau	85.65	88.24	83.02	85	88
Japan	85.08	88.10	82.05	84	88
Liechtenstein	84.92	86.38	83.31	84	86
Switzerland	84.52	86.18	82.78	84	86
Singapore	84.39	86.55	82.28	83	86
Italy	84.35	86.27	82.30	83	85
South Korea	84.26	87.36	80.96	84	87
Spain	84.19	86.81	81.50	83	86

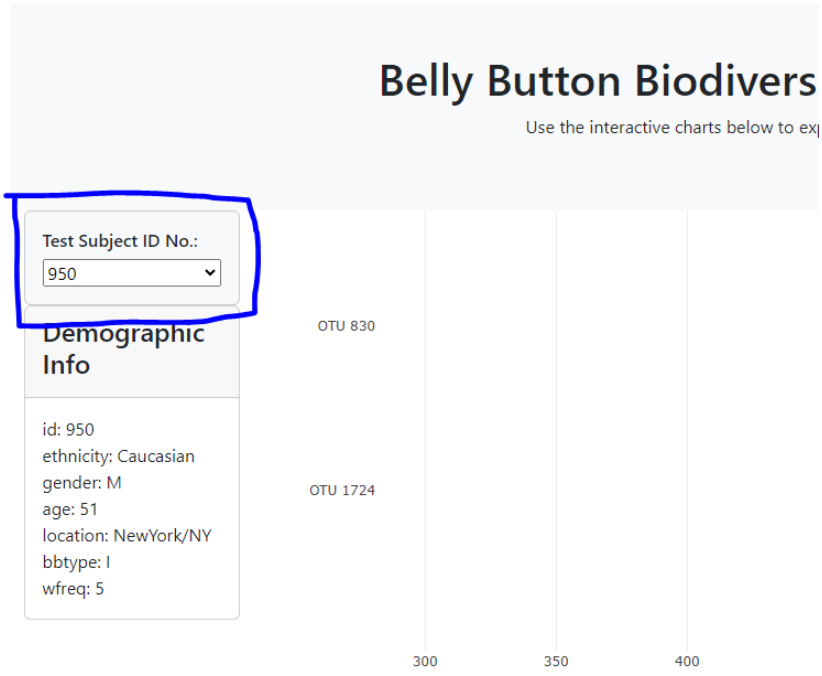
https://worldpopulationreview.com/country-rankings/life-expectancy-by-country

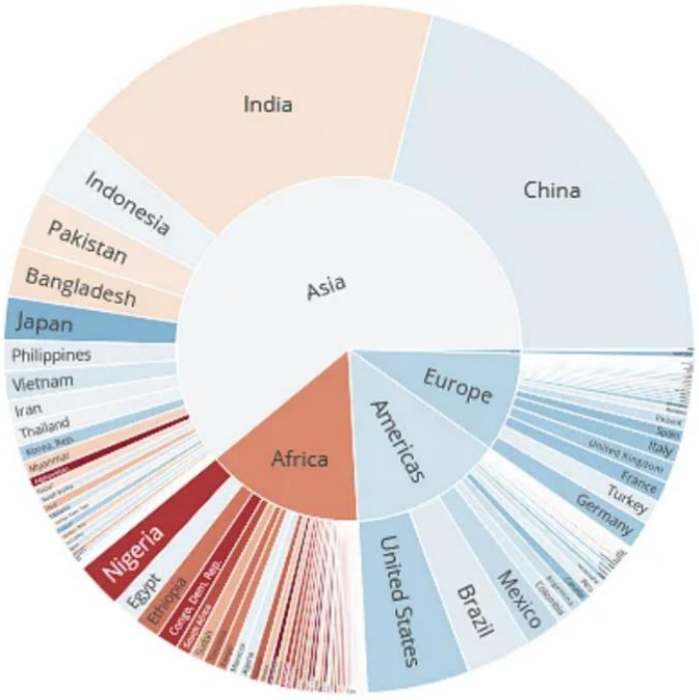
Links to the original UN data:

- Sexes combined: https://data.un.org/Data.aspx?q=life+expectancy&d=PopDiv&f=variableID%3a68
- Males: https://data.un.org/Data.aspx?q=life+expectancy&d=PopDiv&f=variableID%3a66
- Females: https://data.un.org/Data.aspx?q=life+expectancy&d=PopDiv&f=variableID%3a67

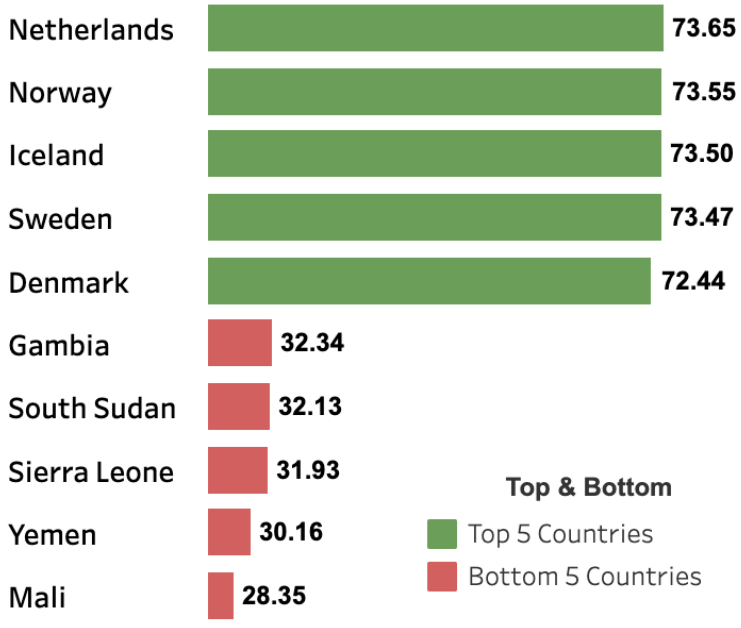
Sample Visualizations We Want to Create:



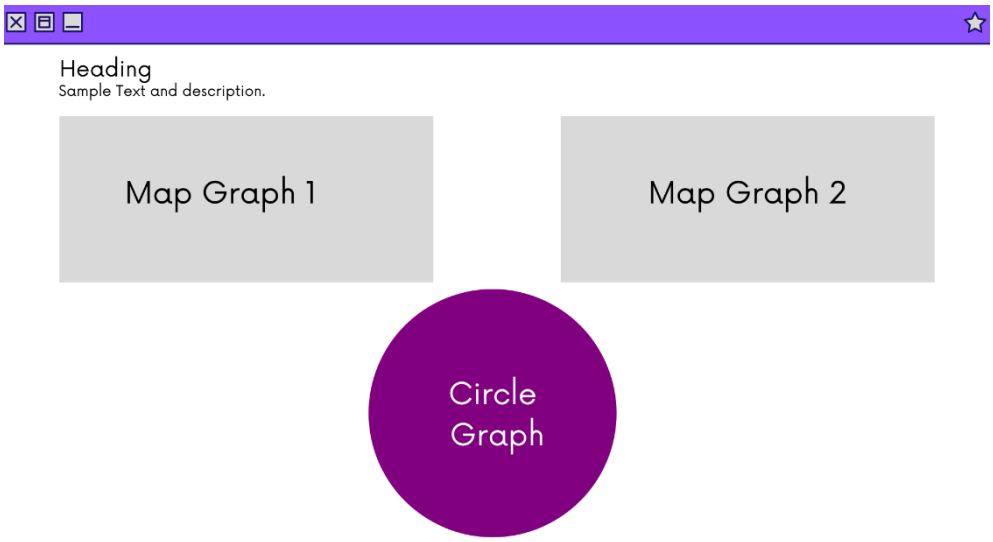




Top & Bottom 5 Countries (based on Year(s) Selected)



Sketch of the final design:



Project Assignments:

- Shelby: GitHub manager, load and clean D=data
- Zac: map and hover boxes
- Lori: drop down
- Demetria: pie chart, ReadMe
- Elcia: Bar chart

GitHub Link:

https://github.com/symcd2020/Data_Visualization_Project-LifeExpectancyByCountry.git

References: https://worldpopulationreview.com/country-rankings/life-expectancy-by-country