Visualization Lab 4 Part 2

Project Group 14's Reflection

Barchart: Pretty simple graph but is effective when it fits the usage of the data. The simplicity helps the clarity compared to other models and provides simple information to interpret. Very easy to setup.

Stack Barchart: Pretty similar clarity and effectiveness to the bar chart but really helpful when you have a subcategory of an axis (Think gold, silver, bronze medals). Very easy to setup.

Line Chart: Better used with continuous data such as time or dates over a long period. Can only use one statistic though for an axis. Very easy to setup.

Multi-Line Chart: The same as the line chart except you can use multiple statistics for the y-axis. Useful for analyzing how statistics correlate or visualizing multiple continuous statistics at once. Very easy to setup.

Bubble Chart: Clarity is a little rough when trying to determine the smaller cases of the statistics. We don't think we would ever really use this unless it was organized better (Think coronavirus dashboards displaying bubbles on states, it is better used geographically). A little more complex setup than the four previous graphs but once you get a better understanding of how the axes work in the bubble chart itself.

Heatmap: We think Heatmap is a better alternative to visual graphs like the bubble chart. Cases like temperature are really easy to visualize and interpret with this graph. This was difficult for us to set up, perhaps with a little fiddling to obtain a better understanding of the underlying functions of plotly we could set up this type of graph easier.