

## Data Visualization – DA 1

### **Interactive visualization**

Step 1: Choose a dataset (not same as the one you are using for project)

Step 2: Produce an interactive visualization of the dataset

In order to produce an interactive visualization, you will need to utilize an additional external library which we have *not* discussed in class. This will require you to practice "learning on your own" to figure out how to make a simple interactive chart. Libraries you might look at include:

- `ggvis` (<http://ggvis.rstudio.com/>) which resembles `ggplot2`, but allows you to add "sliders" and other effects.
- `plotly` which provides its own API for creating interactive plots, but also supports making `ggplot2` plots interactive (<https://plot.ly/ggplot2/>)
- `rCharts` which enables including JavaScript charting libraries (JavaScript knowledge may be useful). (<http://rdatascience.io/rCharts/>)
- You can instead utilize interactive effects provided by `knitr`, such as its ability to turn multiple plots into animations. (<https://yihui.name/knitr/options/#animation>)
- Other options can be acceptable as well, though I recommend you check before you do your assignment

Make sure you introduce and explain your plot with text (explaining how to interact with it is good!), and give it appropriate labels and aesthetics