

Advanced Data Visualization Techniques – DA

Interactive visualization

Step 1: Choose a dataset – Do not use inbuilt datasets. Datasets can be easily be found on kaggle, UCI and lots of other websites.

Step 2: Produce an interactive visualization of the dataset

- 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 it's 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
- In the final document that you prepare for submission, provide the link that you downloaded the dataset from. Explain it.

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