
INFS 5116 – DATA VISUALISATION

Assessable Exercise 4 (SP5 2023)

5 November by 11pm

General instructions:

- This exercise is worth 4% of your final mark and it is due no later than **11pm on Sunday 5 November**.
- The exercise will be marked out of 20.
- You will need to submit your work via learnonline.

Assessment task: Create your own D3 Visualisation

Use the [D3 documentation](#) or another example source such as [blocks.org](#) as a guide to creating your own data visualization that makes use of HTML5 scalar vector graphics.

To do this you will need:

- Create your own summarised data set and present it in a JSON format. Alternatively, you could read the data from a [CSV file](#) but you will need to research how to do this using D3. If you haven't already a dataset to use then you may find examples in the above formats at [DataSA](#).
- Plot your data on a suitable graph (this could be a bar/column graph, scatter plot or even a line graph or something a bit more advanced). If you use an existing example as a template from online then you should reference this.
- Research how to and implement a [transition](#) (animation) on the graph.

You may need to consult the appropriate sections of the [D3 reference](#) and you may find the various [working examples](#) useful.

Note: You should use the latest version of D3 and go beyond the essentials outlined in the D3 practical. Also, your D3 visualisation should reflect the principles of producing good graphics discussed elsewhere in the course.

What to submit:

In addition to your D3 visualisation, briefly describe the data source you have used and comment on any conclusions that can be drawn from your visualisation. You can do this in a separate text file or embed comments in your HTML file. Once you have your visualisation complete, zip together your comments, HTML file, any external data source (eg your CSV file if you used one) and upload your final working version to the course website.