INFS 5116 – DATA VISUALISATION

Visualisation Project Report (SP2 2022)

Due 2 July by 11pm

General instructions:

- This assignment is worth 50% of your final grade and it is due no later than **11pm on Sunday 2 July**.

- You will need to submit your assignment via learn**online**.

- The submitted assignment needs to be a **single file** in pdf file format.

- This assignment will be marked out of 50.

Assessment task

General guidelines:

- Your final submission should be in a report format. You should focus on storytelling with graphics. There is no word limit but you should aim for no more than 15 pages (absolute max) excluding any appendices.

- You should present a range of visualisations of different types that show features of your data from multiple perspectives as well as address a range of questions of interest.

- You can use different tools to produce your visualisations. However, some of the graphics in your final report must be produced using R. If you choose to use different tools, ensure that your graphics have a unified look, e.g. colour palette, fonts and chart apparatus.

- Your submission will be assessed not only on the quality and the design of your visualisations but also on your discussion of insights and conclusions that can be drawn from your visualisations, and the extent to which your visuals and text work together to produce a compelling narrative.

The structure of your Visualisation Project Report should be as follows:

Title page

Dashboard (6 marks)

Design and include here a 'dashboard' that provides a visual summary of your key findings. Ensure your dashboard follows the guidelines discussed in this course! **Note:** You do not need to use specialised dashboard software.

1. *Introduction (6 marks)*

   Describe is some detail the context for the project and the key question(s) you aim to address using visualisations.

   One paragraph (up to 1/2 page) is sufficient.

2. *Visualisation Results (30 marks)*

   Present and discuss your visualisations here. You can rename this section if you wish and divide it into subsections as you see fit.

   Aim to tell a story with your graphics (8 to 10 of different types and levels of complexity) and focus on the context of the data you are using for this project.

   This is the main part of your final report, where you showcase the skills you have developed for communicating with graphics. Your graphics plus commentary should work together to produce a coherent narrative. In other words, this is where you present your data story.

3. *Conclusions (6 marks)*

   Include your overall conclusions here.

   One short paragraph (up to 1/2 page) is sufficient.

4. *References (2 marks)*

   Provide a list of all references that you have cited in the project.

Appendix

Describe your data sources here.

You can also provide variable definitions, as well as code, examples of story boards or any other technical and non-technical information you think is useful to include in support of the work presented in the main body of the report.