INFS 5116 – DATA VISUALISATION

Assessable Exercise 2 (SP5 2023)

Due 3 September by 11pm

General instructions:

- This exercise is worth 8% of your final mark and it is due no later than **11pm on Sunday 3 September**.

- The exercise will be marked out of 20.

- You will need to submit your work via learn**online** in pdf format, prepared using the **template** provided.

Assessment task: Create your own graphics

Read the following paper:

Chiera , BA & Korolkiewicz, MW 2017, 'Visualizing Big Data: Everything Old is New Again', in FPG Marquez & B Lev (eds), *Big Data Management*, Springer, Netherlands, Ch. 1, pp. 1-27.

Create six graphics of interest in R using ggplot2 and the Dominick's Finer Food Database. Ensure you:

- Design each graphic first before you produce it in R. Design it either using Bertin's schemata or a variant thereof.
- Cover each reading level of a graphic (*elementary*, *intermediate*, *overall*).
- Design at least two graphics that are *multi-component* (here 'multi component' means more than one component).
- Include a brief outline of design principles you have used to create each graphic.
- Give examples of questions that can be answered using your graphics.

Once you have your graphics ready, use the **template** provided to finalise your submission.