
INFS 5116 – DATA VISUALISATION

Workshop Week 5

Graph semiotics

Mini-lecture to review key ideas

Working with data

Question – What would you do?

The file called *penguins.csv* contains data on three species of penguins, collected from three islands in the Palmer Archipelago, Antarctica. Data were collected and made available by Dr. Kristen Gorman and the Palmer Station, Antarctica LTER, a member of the Long Term Ecological Research Network.

For the dataset:

Examine the properties (type, size, condition) of the data.

Use a tool of your choice to visually explore the dataset in order to deepen your understanding of its physical properties, discoverable qualities (insights) and hence its value.

Design three graphics using Bertin's schemata or a variant thereof:

- Cover each reading level of a graphic (elementary, intermediate, overall).
- Design at least one graphic that is multi-component (here 'multi component' means more than one component).
- Give examples of questions that can be answered using your graphics.

Data file: *penguins.csv*