

# Data Science Toolbox Example Coursework

No Deadline

## Group Project description

This project is an example designed to give you some calibrated exposure as to what might be expected from the assessed coursework.

The task is to perform exploratory data analysis on the **conn\_sample.log** data, the dataset presented in Week 1 Lectures. You should attempt to visualise this data in as many ways as possible, leading up to a single **captioned figure**, a “data visualisation” that could be used in a paper describing these data. Where you use methods from other sources, you should cite these.

It may be natural to use multiple programming languages. It is recommended that your group members handle graphics in a language they are comfortable with. Remember that **all group members** are expected to understand the project as handed in. You are assessing the utility and methods behind making the plots; therefore it is acceptable and potentially informative to repeat analyses in different languages.

You may assume no familiarity with the content, i.e. you are free to use the contents from the lectures and cite them as a source.

## Individual reflection description

- Discuss why you chose the representations that were included.
- Discuss the limitations of your literature search for methods.
- Reflect on what your chosen figure does well, and what it leaves out.
- Reflect on benefits and limitations of the various programming languages you have worked with.