7PAM2000 Applied Data Science 1
Assignment 1

In this Assessment it is your turn to do some research! You are expected to generate a *1 pager* report that presents a basic analysis and visualisation of a data set of your choosing (if you need some inspiration, some links are included in this assignment tab). The goal is to tell a story using data. You are expected to identify an open access (i.e. public) data set and provide the reader with an easily digestible summary of its main properties, interesting features, trends, etc. The report should contain explanatory text, tables and figures. Pick the tools which best transport the information.

You will be expected to use the visualisation methods covered in the lectures, but also feel free to explore other techniques if you wish. You will be assessed on

- The clarity of your report including spelling and grammar, use of captions and explanatory text.

- Appropriate use of visualisation techniques and statistical summaries Quality of figures (e.g. legibility, proper labelling). Use of references where appropriate (e.g. data sources, any unusual techniques employed).

The exact format and layout of the report is up to you, but you should follow these guidelines:

- It should be no more than one A4 page (PDF format please) with 1.5 cm margins all around.

- The minimum font size should be 11 pt, with the exception of figure labels, footnotes and references.

- The report should have a clear title and short abstract or introductory paragraph explaining the topic.

An overall coding quality mark will be awarded combined from your three submissions. Marks and advice for improvement will be part of your Assignment 1 feedback. Criteria

- Adherence to the PEP-8 guidelines.

- Well structured and commented program, good use of functions. No spaghetti code please.

- Good use of your repository with an appropriate level of commitments.