

Data Visualisation Assignment 2

You are a Data Scientist. You are tasked with conducting some exploratory analysis. **Your goal is to find “insights” in the data** and present those findings to your colleagues.

1. Select, Clean and Wrangle a Dataset (or more)
2. Decide on a story (user story)
3. Using R, create three visualisations
4. Show previous iterations or alternatives

Report to include

Cover Sheet (1 page)

Data Visualisation Assignment 2, Name, ID, class code, part time full time, date

Title of your report

Introduction (1 page)

Problem, Audience, datasets

Pre-processing (1 to 2 pages)

Cleaning and wrangling

Visualisations (1 to 3 pages)

Include a paragraph per visualisation and previous iterations or alternatives with rationale for changes

Appendices including your code with comments.

R file(s). Make sure your submission is self-contained, i.e. no external files or filename changes are required to run the code. All files required should be attached and installation of libraries included if needed, for example:

```
if(!require(somepackage)){  
  install.packages("somepackage")  
  library(somepackage)  
}
```

Marking Rubric

1. Select, Clean and Wrangle a Dataset – 5%

Dataset	
One dataset	1%
Two or more datasets	2%

Cleaning of values (missing values, capitalization, standardize names,...)	
No cleaning performed	0%
Some level of cleaning	0.5%
Extensive level of cleaning	1%

Wrangling	
No wrangling	0%
Basic filtering	1%
Extensive wrangling, filters, calculated fields, groupings,...	2%

2. Decide on a story (user story) – 2%

Story	
Basic description of the context	0.5%
Good description of the context	1%
Excellent story with clear questions	2%

3. Using R, create **three** visualisations 21%

Visualisations 1	
Basic visualisation without special features	1%
Good visualisation with a clear message and framing of the question	5%
Excellent visualisation with extra features, clear message, framing of the question and correct focus	7%

4. Show previous iterations or alternatives 2 %

Previous Iterations	
No previous iterations	0%
Small changes from previous iterations based on simple chart change	1%
Evidence of exploratory work as well as refinement of selected charts	2%