Data Visualisation Assignment 2 - 30%

Visualisations in R

Specification

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
2. Decide on a story (user story)
3. Using R, create three visualisations
4. Show previous iterations or alternatives

Marking Rubric

Select, Wrangle and Clean a dataset – 4%

Dataset	
One dataset	1%
Two or more datasets	2%

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

Wrangling	
No wrangling	0%
Basic filtering	0.5%
Extended wrangling, filters, calculated fields, groupings,...	1%

Decide on a story (user story) – 2%

Story	
Basic description of the context	1%
Good description of the context	1.5%
Excellent story with clear questions	2%

Using R, create three visualisations - 21%

Visualisations	
Basic visualisation without special features	1%
Good visualisation with a clear message and framing of the question	4%

Excellent visualisation with extra features, clear message, framing of the question and correct focus	7%

Show previous iterations or alternatives - 3%

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	3%

What do you need to submit?

You will need to write a short report containing the following:

1. Cover Sheet
2. Data Visualisation Assignment 2, Name, ID, class code, part time full time, date
3. Title of your report
4. Introduction
5. Problem, Audience, datasets
6. Pre-processing
7. Cleaning and wrangling
8. Visualisations
9. Include a paragraph per visualisation
10. Previous Iterations or alternatives with rationale
11. Appendices including your code with comments. Make sure your submission is self-contained, i.e. no external files or filename changes are required to run the code.

When is it due?

Your report is due at midnight on **6 Dec 2022**