MA20277 Coursework 1 2022

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Set: 15:30 on Friday October 28

Due: 17:00 on Tuesday November 8

Estimated Time: This assignment should take you roughly twice the time it takes you to complete the homework questions on a problem sheet.

Submission: Submission is via the unit's Moodle page only. You must provide your R Markdown file and a PDF generated from it. Submissions up to five working days late (without a DoS-approved extension) will receive a maximum mark of 40% and after that will be 0%.

Instructions

1. **This is an individual assignment, and you should not discuss any elements of the coursework with anyone other than the lecturer or your tutor.**

2. You must use the provided RMarkdown file for this coursework and knit it to PDF.

3. There is a page limit of 12 pages for the PDF. Your PDF should include all the R code, graphics and text. The font size, line spacing and margins should not be changed. For each question part, your answer may include up to 2 data graphics - any further plots are ignored and you won't receive marks for them. The general rule is that each call of ggplot() counts as one data graphic (the same applies to plot()); plots generated by facet_wrap() count as one data graphic.

4. You are not allowed to load any packages other than the ones already specified in the provided RMarkdown file. Should you load any additional packages, you will receive a mark of 0 for the question parts they are used in.

5. Please do not remove the question text from the R Markdown file in order to facilitate the marking process.

Marking

This coursework will be marked out of 50 and will count 50% towards your mark for the unit. There are two questions: Question 1 is worth 19 marks and Question 2 is worth 27 marks. Questions are structured into parts and each part is worth between 4 and 7 marks.

The remaining 4 marks are set aside for presentation. Everyone will start with the full 4 marks for presentation, which will be reduced until 0 according to the following (not necessarily exhaustive) principles:

Issue	Penalty
Error messages when running the R code	-3
Excessive R output	-2
No axis label	-2
Missing R code (including R code running of the page)	-1 at least
Poor labels	-1

Getting help

The first 15 minutes in the LOIL session on Monday October 31 are set aside for Q&A regarding this coursework.

There further won't be a problem sheet set in the week October 31 - November 4. Instead you will have the opportunity to ask your tutor questions - there are however restrictions on the type of questions that will be answered.

Questions can also be send via email, or posted on the dedicated Padlet board. I will post any questions sent to me via email on the Padlet board. Please try to formulate your questions such that you don't give away your approach. **Questions that are deemed to break this instruction will not be answered and removed from the Padlet board.**