MA50259 Coursework 1 Instructions

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29 February 2024

Set: 16:00 Monday 04 March

Due: 16:00 Monday 18 March

Estimated Time: This assignment should take roughly 10–12 hours for students familiar with R and types of designs viz. CRD and Factorial designs.

Submission: Submission is via the unit's page on Moodle only.

All your answers and supporting R code have to be submitted via Moodle as follows:

1. Provide a PDF which includes your answers, the R code and any relevant plots and tables.
2. Provide your RMarkdown file which you used to generate the PDF. All plots presented in the report should be produced by the R code in this file.

Please remember to provide your candidate number at the beginning of the R markdown document.

The tasks can be found in the RMarkdown file "CW1_2023_24.Rmd" and please use it for this coursework. You are not allowed to make any formatting changes in the R markdown file "CW1_2023_24.Rmd".

When answering a task, place any relevant text, R code and R output directly after the task, and not at the end of the document. For each of the tasks, you have to state your approach, clearly outline any models used, provide the R code and conclude with a discussion of your results.

Conditions: *This is an individual assignment, and you should not discuss any elements of the coursework with anyone other than your lecturer for MA50259.*

Marks: The coursework will be marked out of 50 and count 50% towards your final grade for MA50259.

Out of these 50 marks, 25 marks are distributed for Part 1 as follows:

Task	1	2	3	4	5	6	7	8	9	10
Marks	2	2	2	1	2	5	4	1	4	2

and the remaining 25 marks are split across Part 2 as follows:

Task	1	2	3	4
Marks	5	8	8	4

Length: There is no minimum or maximum page limit for this assignment; while marking emphasis will be placed upon clear argument and precision. I anticipate that one would need approximately 12 pages for the pdf report.

Support and advice: *Questions can be posted on Moodle or emailed to the lecturer of the unit. Please try to formulate your questions such that you don't give away your approach.*

Feedback: You will receive feedback within a maximum of three semester weeks following the submission deadline. The feedback will consist of an individual feedback on your marked work and an overall feedback document commenting on the assessment across the cohort.

Late submission of coursework: If there are valid circumstances preventing you from meeting the deadline, your Director of Studies (Dr. Ben Adams) may grant you an extension to the specified submission date, if it is requested before the deadline. Forms to request an extension are available on SAMIS.

- If you submit a piece of work after the submission date, and no extension has been granted, the maximum mark possible will be the pass mark.
- If you submit work more than five working days after the submission date, you will normally receive a mark of 0 (zero), unless you have been granted an extension.

Academic integrity statement: Academic misconduct is defined by the University as "the use of unfair means in any examination or assessment procedure". This includes (but is not limited to) cheating, collusion, plagiarism, fabrication, or falsification. The University's Quality Assurance Code of Practice, QA53 Examination and Assessment Offences, sets out the consequences of committing an offence and the penalties that might be applied.

Generative AI

GenAI tools may be used while doing the analysis or writing. Under the University's Academic Integrity Statement, you 'must not present content created by generative AI tools as though it were your own'. Any text or code produced by genAI must be checked for correctness and cited. In addition, you must include a short statement (max 250 words) at the beginning of your submission indicating: what tools you used and how you used them OR that you have not used genAI. You should be prepared to explain anything in your submission to an examiner if asked to do so.

The genAI statement may be included at the start of your solution i.e. before you begin answering questions in Part 1.

Contact details:

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