

MSE 253 Statistics and Probability II — Project 2

Instructions

Deadline for submission is August 5th, 11 : 59 PM You submission must adhere to the following:

- Each team must have a maximum of 2 members.
- You should submit **only 1 R Markdown** file (.Rmd) in your group's Project 1 Dropbox folder, **PR2 Submission**.
- Do **not** submit the knitted PDF, only the .Rmd file.
- Change the file name to be the following **MSE253_PRJ2_GRP [number]** Where number is your group's number.
- If you have not yet enrolled in a group, you will be assigned a group randomly (1 week before the due date).
- Using Generative AI and Large Language Models is allowed as long as you properly cite it. Refer to the course outline to see the proper citation. In short, you need to copy/paste your exact prompt and the exact response you got, start and end of the code generated by AI indicated by comments.
- Do not change function names that are given in the instruction file where applicable. These functions will be used to test your code. If you change the name of the functions, we will get an error and you will lose marks.
- If you use a library to do any particular task, add this to you file:

```
1 # source: https://stackoverflow.com/a/19871106
2 if(!require(nameOfPackage)){
3   install.packages("nameOfPackage") # installs it
4   library(nameOfPackage) # loads it
5 }
6
```

Grading Scheme

You submission will be graded based on:

- The number of fatal errors we get when running your code
- The number of logical errors we get when running your code
- The quality of explanations in the markdown file and your comments
- Adhering to proper referencing of any material you used to answer questions
- Adhering to the deadline
- Correct final answer: you should use the markdown file to actually write the answers and explanations.
- A minimum point will be given to attempts, as long as your code does not crash. If you are getting errors you cannot solve, leave the question blank or do exception handling.
- The points for each question are depicted in brackets before the question number.

We do not care about the way you implement a code. Please allow the teaching team at least 3 weeks for grading.