**TASK 4 Summary 10 points Report time required for homework, difficulties encountered, and collaborators.**

**Report time required for homework: The whole time taken for this project including the time spent on understanding the concepts and executing them along with the different variations possible was 10 days.**

**Difficulties Encountered: Working on R studio with R code has been relatively easy now given we have already done some projects on it.**

**However, the main challenge was to understand the project and the various aspects of it.**

**Also, it is very important to understand the execution and the syntax of R to understand it for various ways different parts of a code could be altered and modified to get desired results.**

**Collaborators: Not required as the explanation in book is self sufficient.**