**General instructions**

* All necessary files for completing this test are included in the attached folder. Please note, we do recommend the use of R or R markdown for this test
* The analysis script should be replicable: For better evaluation of your work, we should be able to run your analyses scripts and produce the exact same results from our computers.
* The specific functions and packages used to solve each problem are up to the test-taker's discretion as long as the result is correct.

Make sure to comment your code to explain your thought process. All the best.