

# DS 5110 - Spring 2020 Exam 1

Name: \_\_\_\_\_ Year/Program: \_\_\_\_\_

## Instructions

Answer each problem to the best of your ability. Fully read instructions for all sections. Justify or explain your answers when appropriate. Partial credit will be given for answers that are partially correct. Points will be deducted for incorrect statements even if all other parts of your answer are correct.

All data tables can be found at the end of the exam. You may remove that page from the exam for your convenience when referencing them.

No notes are permitted for this exam. Use of computers, smartphones, or other unauthorized aides while taking the exam is strictly prohibited.

You may ask the instructor or a TA to display the help/documentation page of any function from base R or tidyverse packages.

## Honor statement

I promise I will not cheat on this exam. I will neither give nor receive any unauthorized assistance. I will not share information about the exam with anyone who may be taking it at a different time. I have not been told anything about the exam by someone who has taken it earlier.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Project group members (4 pts)

Give the names of 3 to 5 people in this class (including yourself) who will be your project group members.

Group member 1: \_\_\_\_\_

Group member 2: \_\_\_\_\_

Group member 3: \_\_\_\_\_

Group member 4: \_\_\_\_\_

Group member 5: \_\_\_\_\_