

STA 3032 Homework 3
Due on September 22, 2022 at 11:59 p.m.

Instructions:

- Submit the following file to the relevant dropbox on course website.
 1. **One single pdf file** of your report showing your steps, answers, and R output if necessary. This file should be named $HWx_Last.pdf$, where x is the homework number and $Last$ is your last name (e.g., $HW1_Lee.pdf$).
- **No late homework will be accepted.** Make use of the dropping policy stated in the syllabus if you are unable to meet the deadline.
- In the following, WMMY refers to our textbook by Walpole, Myers, Myers, and Ye.

Assignment:

1. WMMY Exercise 4.14.
2. WMMY Exercise 4.38.
3. WMMY Exercise 4.40.
4. WMMY Exercise 4.62.
5. WMMY Exercise 4.63.
In addition, find the correlation coefficient between X and Y .
6. WMMY Exercise 4.83.
In addition, find the correlation coefficient between X and Y (recall Exercise 3.41 solved in class).
7. WMMY Exercise 4.84.