

# STA 732: Homework 9

March 22, 2026

## Instructions

Complete **4 out of 5** problems. You may choose which problem to omit. Clearly indicate which four you chose.

### Problem 1

Solve Exercise 6.3 OR 6.4 from the lecture notes.

### Problem 2

Solve Exercise 6.5 from the lecture notes. *If you want to take another route to solve this problem than to proceed through (a), (b), and (c), feel free to do so. Many more clever / fun solutions could exist.*

### Problem 3

Solve Exercise 6.7 OR 6.8 from the lecture notes.

### Problem 4

Solve Exercise 6.9 from the lecture notes.

### Problem 5

Solve Exercise 6.10 from the lecture notes.