

# STAT 3115D – Homework 6

Due April 3

## **Instructions:**

Please include the following information on the first page of your completed homework.

- Name
- STAT 3115D
- Homework 6

Please remember to show your work and explain answers as necessary. Answers that are not supported by good reasoning will not receive full credit. Homework should be stapled if it is longer than one page.

---

**Section 4.4:** 61, 63

**Section 5.1:** 1—Also compute the probability that the number of losses being used at both islands is the same, 2, 8, 18

**Section 5.2:** 22, 30—Also comment on the direction (negative/positive) and strength (weak/moderate/strong) of the linear relationship between  $X$  and  $Y$ .