

The third assignment includes a couple problems about ANOVA and several problems in simple linear regression. Some of problems are best done with statistical software. A forthcoming handout will provide guidance.

1. Chapter 5, problem 17 (page 142). This problem asks you to complete a partial ANOVA table.
2. Chapter 5, problem 18 (page 142). This is an ANOVA problem with other related questions.
3. Chapter 6, problem 21 (page 171). This open-ended question asks you to make several comparisons.
4. Chapter 7, problem 15 (page 197). This problem asks you to analyze the planet distance from the sun data.
5. Chapter 7, problem 23 (pages 198–199). A classic data set about Old Faithful.
6. Chapter 7, problem 29 (pages 203–204). An open-ended regression problem about birds.
7. Read the Chapters 7–8 of the textbook. Write out brief answers to the Conceptual Exercises at the end of each chapter. Compare your responses with those given by the authors a few pages later. You do not need to turn in anything for this question.