

Problem set 6

S520

Upload your answers through the Assignments tab on Canvas by 11:59 pm, Thursday 17th October. Draw graphs in R and include code.

Note: Most of the data from the book is available on Prof. Trosset's webpage: <http://mypage.iu.edu/~mtrosset/StatInfer.html>

1. (10 points.) Fill in the file `fly-wings.Rmd`, replacing the ?????s with appropriate content. Knit the file to HTML or PDF, and upload this file as part of your submission.
2. (10 points.) Trosset chapter 7.7 exercise 1. Data: <http://mypage.iu.edu/~mtrosset/StatInfer/Data/sample771.dat> (N.B.: For estimates of the variance in this and the following questions, you may use either the plug-in variance $\hat{\sigma}^2$ or the sample variance s^2 . Label your graphs.)
3. (5 points.) Trosset chapter 7.7 exercise 4. Data: <http://mypage.iu.edu/~mtrosset/StatInfer/Data/sample774.dat>
4. (5 points.) Trosset chapter 7.7 exercise 7.