

BIOS 6611
Biostatistical Methods I
Fall Semester 2018

Homework #1

Due: *Tuesday, September 4, 2018* by noon to Canvas Assignment Basket

1. Work through R Lab 1:
 - a. Provide R code and answers for Exercises 1-3.
 - b. Extra Credit: Provide R code and answers for Exercise 4.
 - c. Exercise 5 is for practice.
 - d. Provide R code and answers Exercise 6a (Read and Plot), and 6b.
2. Read Goodman (1999) – Toward Evidence-Based Medical Statistics. 1: The p-value Fallacy. Write a half-page summary (2-3 paragraphs) that touches on:
 - a. The meaning of inductive vs. deductive reasoning as presented in the paper
 - b. What the author means by the “p-value fallacy”
 - c. Confidence intervals vs. p-values as presented in the paper

Note 1 - Later we'll take a look at the companion paper: Goodman (1999) – Toward Evidence-Based Medical Statistics. 2. The Bayes Factor.