

Homework 07

Math 315, Fall 2018

Due: Oct. 30 by 4 p.m.

Instructions:

Think of the question as a “mini-project.” This means that everything must be typed, labeled, and referenced, as appropriate. Your answers for this question should discuss

- the problem,
- the data,
- the final model you chose (Include each component here: prior, likelihood, and posterior. If you are using some approximation to the posterior, outline what that is here.),
- posterior inference (i.e. results), and
- conclusions.

Code is not required as part of your solution, but you may include it as an appendix. You may complete this assignment with a partner.

Problem:

7H4. Use the data presented in 7H4 to evaluate the hypotheses outlined. Do not simply write separate answers to each part, your report should integrate the three parts into a cohesive narrative.