

STAT 491: HW 2

Name:

Using the dataset for your project, complete the following tasks. Note this mirrors the second question on the takehome exam.

- A. (4 points)** Write a concise statement detailing your research question. This should be no more than two or three sentences.
- B. (4 points)** Create a data visualization that helps inform your research question.
- C. (4 points)** Write out a statistical model to explore your research question.
- D. (4 points)** Identify the parameters from the model in 2B and justify prior distributions.
- E. (4 points)** Write JAGS code to fit this model
- F. (4 points)** Summarize your parameters in the model.