

STAT 532 Assignment 5 -2015

Due: Friday, Oct.9th (by 4:00 pm)

I expect you to *not* refer to any solutions you might find or homework's from previous students who have taken the class.

1. (20 pts) Suppose a researcher comes to you and says she wants to implement a Bayesian data analysis similar to one someone else has done. She tracked down code to do the analysis, but really doesn't understand what's happening in the code, what model is being fit, or how to look at results. The code is in the file `LogisticBetaOverdispersion.R`. Using your favorite "dynamic report generation" software (e.g. knitr, Rmarkdown, etc.) create a document for the researcher explaining the model and the steps that are given in the code. If you don't understand something include a ****NOTE:** with your questions/concerns/thoughts.
2. (4 pts) Go through the code in `BioassayExperimentAnalysis.R`. Provide a few comments about what you learned and/or questions you have about the concepts or R-code. See Section 3.7 in the text.