

STAT 757 Assignment 4

DUE X/XX/2018 11:59PM

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2/14/2018

Instructions [20 points]

Modify this file to provide responses to the Ch.4 Exercises in Sheather (2009). You can find some helpful code here: <http://www.stat.tamu.edu/~sheather/book/docs/rcode/Chapter4.R>. Also address the project milestones indicated below. Please email **both** your .Rmd (or roxygen .R) and one of the following either .HTML, .PDF, or .DOCX using the format SURNAME-FIRSTNAME-Assignment4.Rmd and SURNAME-FIRSTNAME-Assignment4.pdf.

Exercise 4.2.3 [60 points total]

Part a [20 points]

Part b [20 points]

Part c [20 points]

Project milestones [20 points]

1. Review the relevant literature.
2. Identify a gap in knowledge that may be able to be address with your dataset.
3. Update your research question and hypothesis.
4. Draft a preliminary introduction for your written report.

References

Sheather, Simon. 2009. *A Modern Approach to Regression with R*. Springer Science & Business Media.