

STAT 757 Assignment 3

DUE X/XX/2018 11:59PM

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Instructions [20 points]

Modify this file to provide responses to the Ch.3 Exercises in Sheather (2009). You can find some helpful code here: <http://www.stat.tamu.edu/~sheather/book/docs/rcode/Chapter3NewMarch2011.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-Assignment3.Rmd and SURNAME-FIRSTNAME-Assignment3.pdf.

Exercise 3.4.1 [20 points]

Exercise 3.4.4 [20 points]

Exercise 3.4.5 [20 points]

Project milestones [20 points]

1. Announce your project team of 1 to 3 members.
2. Submit or describe the dataset you will analyze.
 - Include a data dictionary: What (and what type of data) are your variables? What are the observational units? How many observations and variables? Which variable will likely be your response (Y) and which variables will be your predictors, X ?
3. Pose a preliminary research question(s) and a research hypothesis(es).

References

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