

STAT 757 Assignment 2

DUE 2/18/2018 11:59PM

AG Schissler

2/1/2018

Instructions [30 points]

Modify this file to provide responses to the Ch.2 Exercises (Section 2.8 in Sheather (2009)). You can find some helpful code here: <http://www.stat.tamu.edu/~sheather/book/docs/rcode/Chapter2.R>.

Exercise 2.8.1 [10 points]

```
## change the line below to your path!
playbill <- read.csv("~/OneDrive - University of Nevada, Reno/Teaching/STAT_757/Sheather_data/playbill.csv")

#Figure 2.6 on page 38
par(mfrow=c(1,1))
plot(playbill$LastWeek,playbill$CurrentWeek,xlab="Gross box office results previous week",
ylab="Gross box office results current week")
```

Exercise 2.8.2 [10 points]

Exercise 2.8.3 [10 points]

Exercise 2.8.4 [10 points]

Exercise 2.8.5 [10 points]

Exercise 2.8.6 [10 points]

Exercise 2.8.7 [10 points]

References

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