18.650 Problem Set 6 Spring 2017
Statistics for Applications
Due Date: Wed 4/26/2017, prior to 4:00pm
Where: Problem Set Box (outside 4-174) (preferred)
or Electronically to Stellar website

Problems from John A. Rice, Third Edition. [*Chapter.Section.Problem*]

1. 10.9.6 (See script in RProject7)

2. 10.9.7 (See script in Rproject7)

3. 10.9.8

4. 10.9.35

5. 10.9.39 Read in the data and generate the boxplot by executing the following code snippet in Rproject7

   ```
   windspeed=read.table(file="Rice 3e Datasets/ASCII Comma/Chapter 10/windspeed.txt",
     sep=",",stringsAsFactors = FALSE)
   windspeed.0=t(windspeed[,-1])
   dimnames(windspeed.0)<-list(c(1:nrow(windspeed.0)), windspeed[,1])
   dim(windspeed.0)
   head(windspeed.0); tail(windspeed.0)
   boxplot(windspeed.0)
   ```

   Also, using your answer to 10.9.35, comment on the data points displayed as asterisks in the boxplots. is their frequency consistent with a normal distribution? Would you expect these data to be consistent with a normal distribution?

6. 10.9.43 (See script RProject7_3_kevlar.r)