18.443 Problem Set 7 Spring 2015
Statistics for Applications
Due Date: 4/17/2015
prior to 3:00pm

Problems from John A. Rice, Third Edition. [*Chapter.Section.Problem*]
For full credit, explain your reasoning and detail any calculations.

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 dis-
played 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 in RProject7)

18.443 Statistics for Applications
Spring 2015