18.650 Problem Set 7 Spring 2017
Statistics for Applications
Due Date: Fri 5/5/2017, 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. Problem 10.9.26, parts (a) through (g).

   For this problem and the next, see R script file

   "Problem_10_9_50_flowexample_corrected.r." in RProject 8.

2. Problem 10.9.26, parts (i), (j), (k).

3. Problem 10.9.50, parts (a) through (d).

   In RProject7, read in the data by executing the following command in R/Rstudio

```
#      Data from:  http://pems.eecs.berkeley.edu
#  For each of three lanes, the
#    flow (number of cars)
#    occupancy (percentage of time a car was over the loop)
#
#     1740  5-minute intervals
#     Lane 1 farthest left lane, lane 2 center, lane 3 farthest right


flowocc=read.table(file="Rice 3e Datasets/ASCII Comma/Chapter 10/flow-occ.txt",
  sep=",",stringsAsFactors = FALSE,
  header=TRUE)
```

4. Problem 10.9.50, parts (e), (f), (g).

5. Problem 10.9.50, parts (h),(i),(j),(k)