8.1

Use the package RcmdrPlugin.IPSUR.

data(Rcmdr TestDrive)

and perform the below operations:

a. Calculate the average salary by gender and smoking status.

b. Which gender has the highest mean salary?

c. Report the highest mean salary.

d. Compare the spreads for the genders by calculating the standard deviation of salary by gender.

Ans: Not covered in class

8.2

library(RcmdrPlugin.IPSUR)

data(RcmdrTestDrive)

Perform the below operations:

1. Compute the measures of central tendency for salary and reduction which variable has highest center?

2. Which measure of center is more appropriate for before and after?

Ans: Not covered in class

8.3

1. A recent national study showed that approximately 44.7% of college students have used Wikipedia as a source in at least one of their term papers. Let X equal the number of students in a random sample of size n = 31 who have used Wikipedia as a source.

Perform the below functions

a. Find the probability that X is equal to 17

b. Find the probability that X is at most 13

c. Find the probability that X is bigger than 11.

d. Find the probability that X is at least 15.

e. Find the probability that X is between 16 and 19, inclusive