Assignment 8.1

1. Use the package -RcmdrPlugin.IPSUR.
data(RcmdrTestDrive)

and perform the below operations:

R file rcmdr_averages.R attached , Screenshot of boxplot for the salaries based on gender attached boxplot_salary.png

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

Average By Smoking Status

Non Smoker : 719

Smoker : 746

Average By Gender

Female : 698

Male: 743

b. Which gender has the highest mean salary?

Male has highest mean salary : 743

c. Report the highest mean salary.

Highest mean salary based on smoking status if 746 for Smokers and based on gender, it is for Male : 743

d. Compare the spreads for the genders by calculating the

standard deviation of salary by gender.

Standard deviation for Male : 159

Standard deviation for Female : 131

Spread of asaly is more for Male