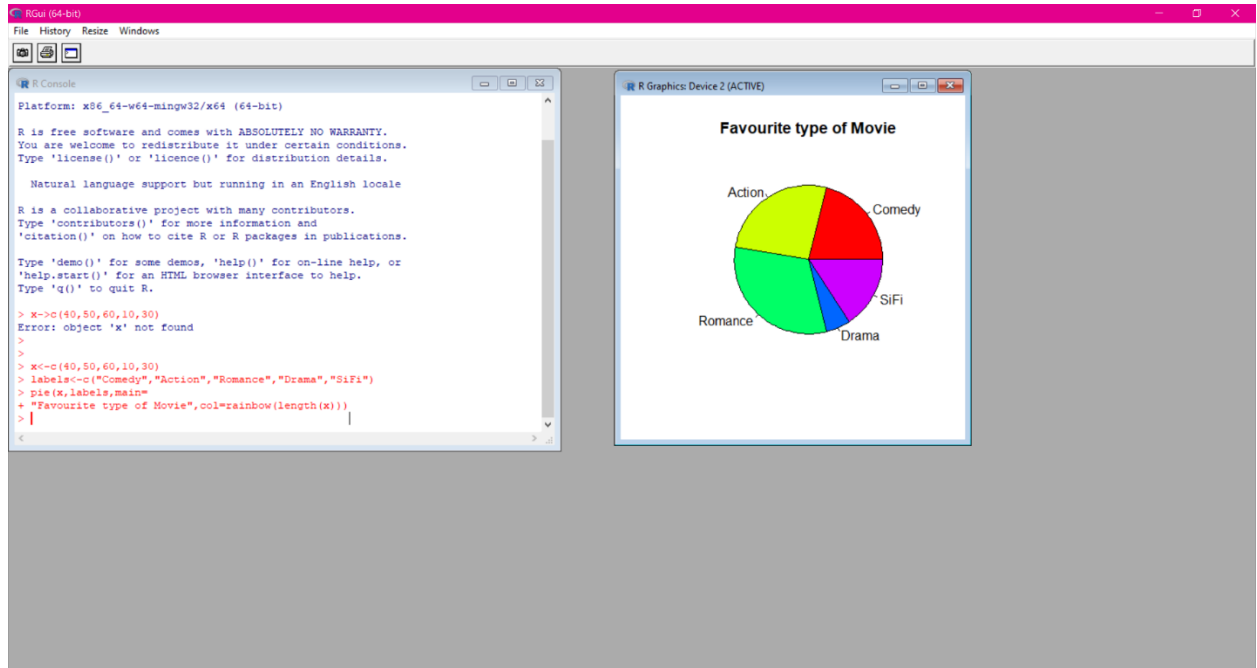
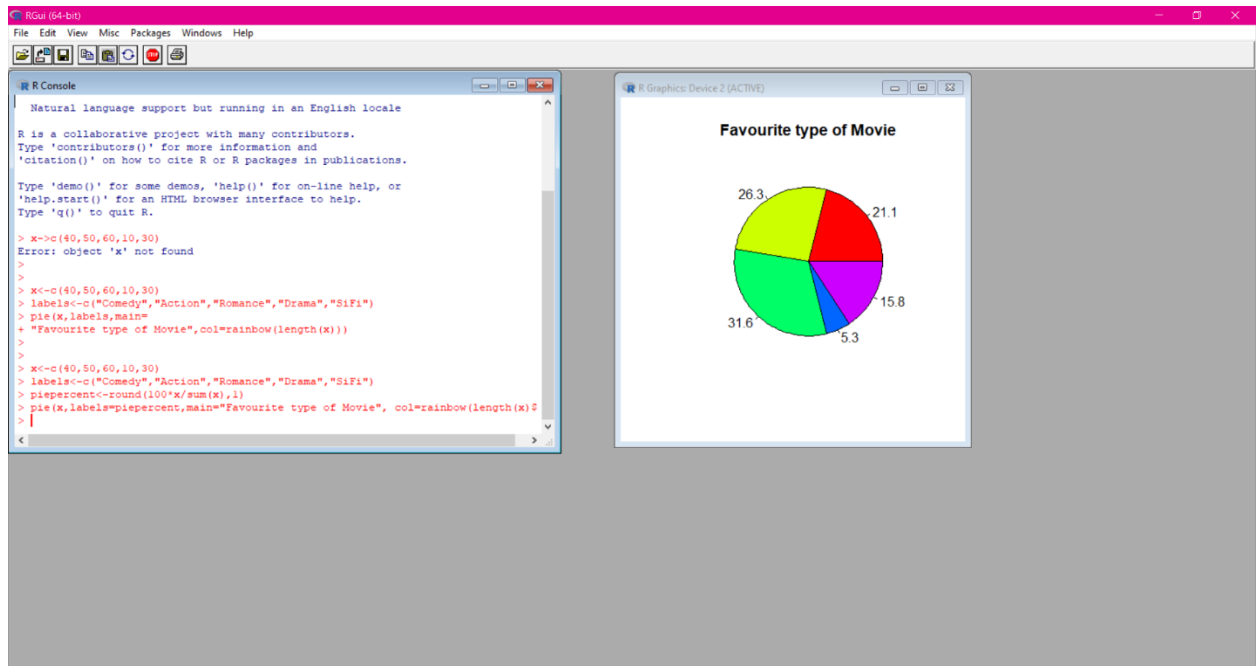


SCS2211 - Laboratory II Practical 4 - Descriptive Statistics

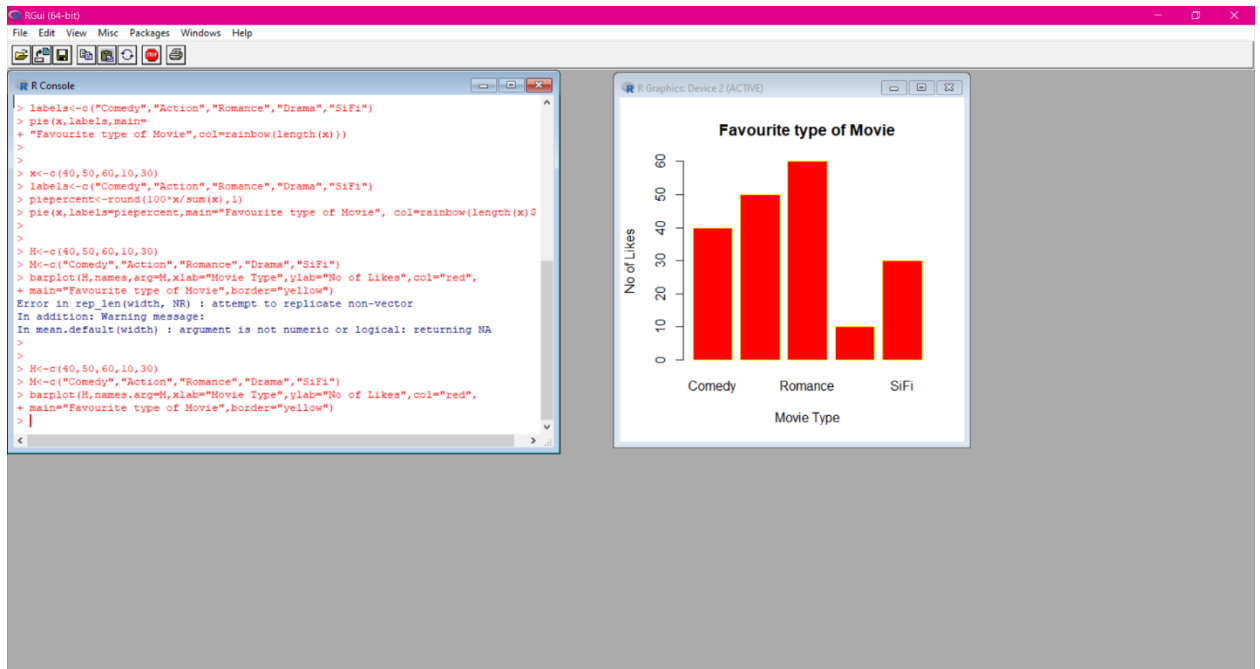
1.



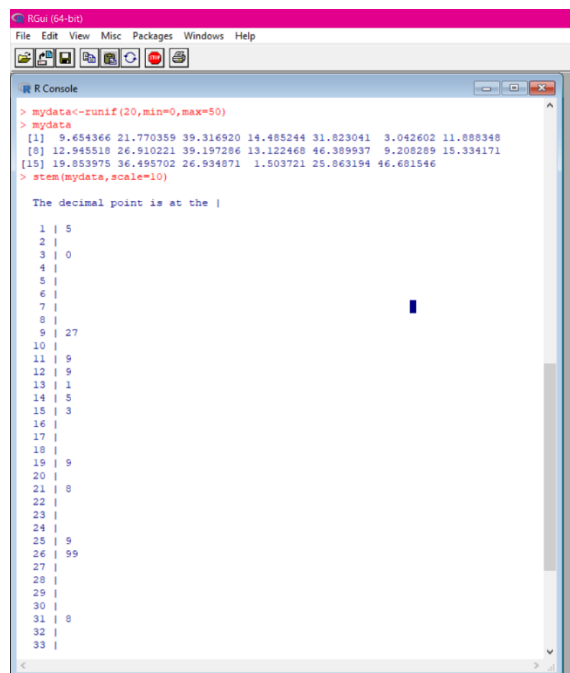
2.



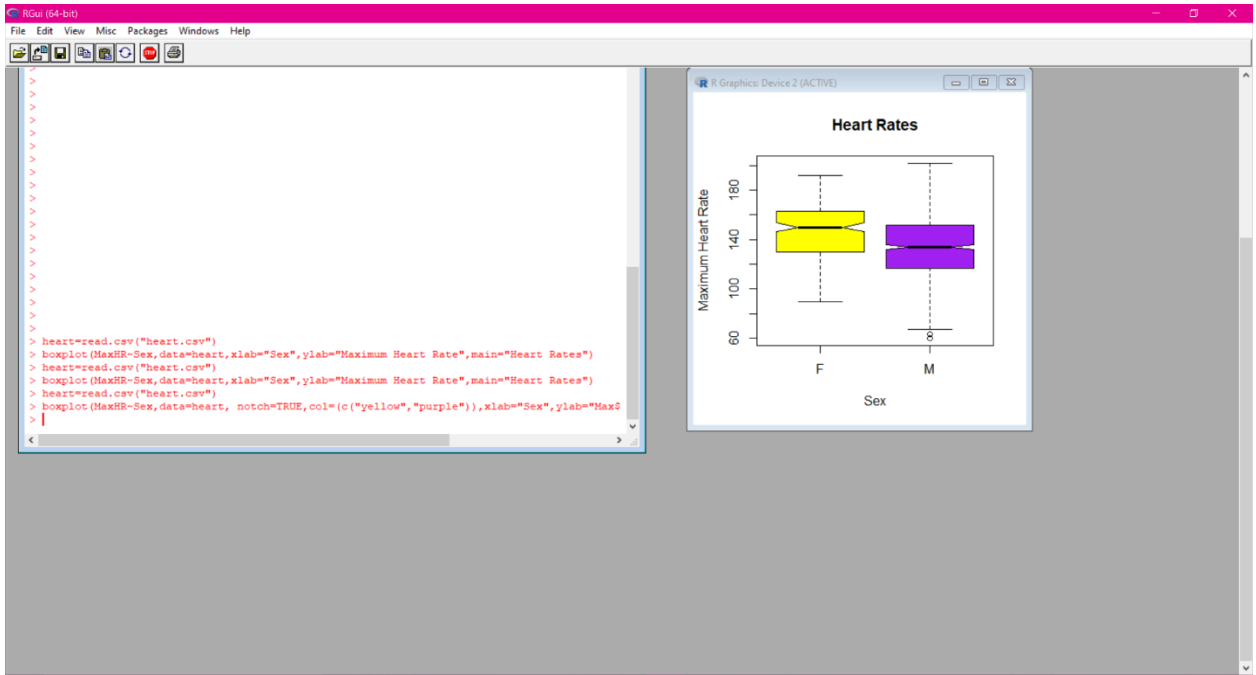
3.



4.

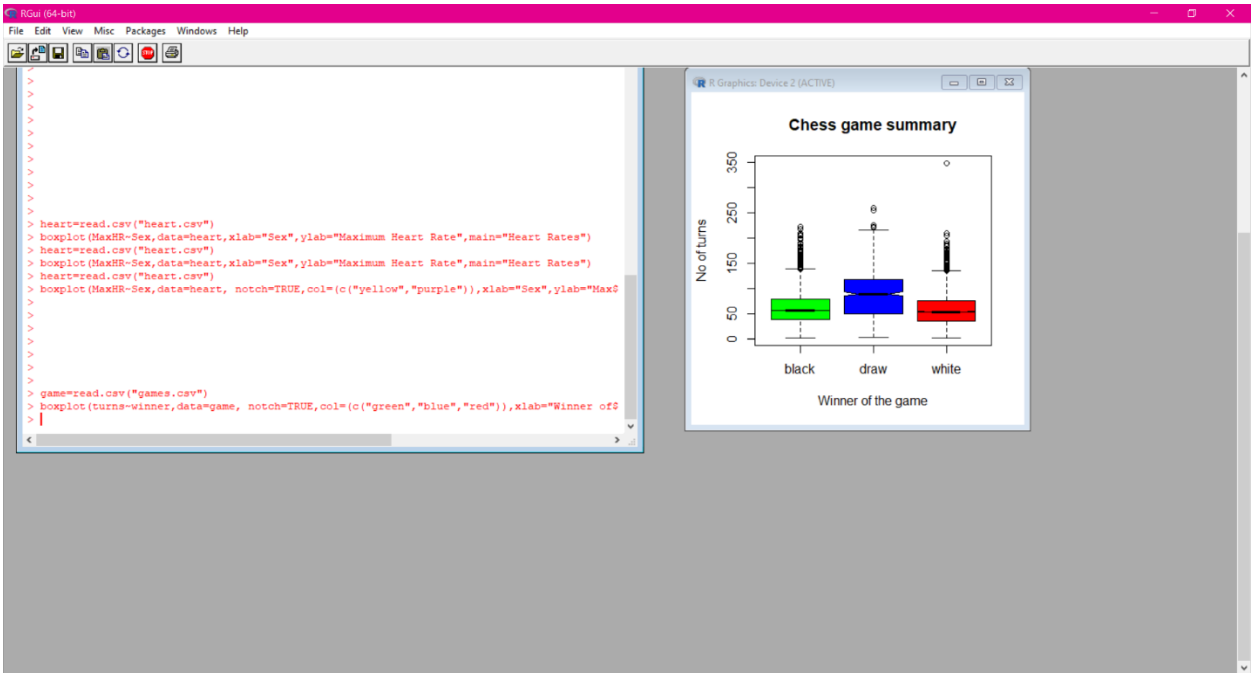


5.

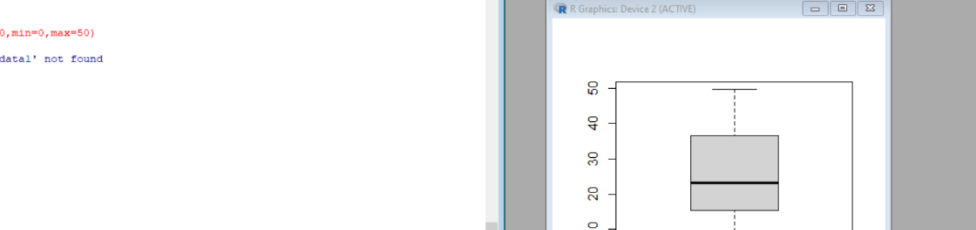


- a) Consider each boxplot, Are there any outliers in the plot, If present then in which boxplot?
 - a. Yellow box plot
- b) Consider each boxplot, is there any skewness, If then How the plot is skewed.
 - a. Purple box plot – It's skewed to the left.

6.



- a) Consider each boxplot, Are there any outliers in the plot, If present then in which boxplot.
 - a. Outliers are presented in three box plot.
- b) Consider each boxplot, Is there any skewness, If then How the plot is skewed.
 - a. Each box plot has a skewness.



```

RGui (64-bit)
File Edit View Misc Packages Windows Help
[Icons]
> boxplot<-function(xmin,xmax,data=game, notch=TRUE,col=c("green","blue","red"),xlab="Number of
>
> mydata<-runif(20,min=0,max=50)
> mydata1
Error: object 'mydata1' not found
>
>
>
>
>
>
>
> mydata1<-runif(20,min=0,max=50)
> mydata1
[1] 40.48716573 24.83637683 19.72321545 16.52696969 17.30824161 49.82819647 5.63526448
[8] 4.27678945 22.66914299 34.62280692 6.03704995 13.92954690 47.49945621 0.08810239
[15] 22.85345931 41.05477036 25.82514810 37.87497570 35.22986096 23.76359680
> boxplot(mydata1)
>

```

- A. Find the five number summary (Minimum, Maximum, First Quartile, Third Quartile, and median), Range, Skewness.**
- a. Minimum – 0.2**
 - b. Maximum – 41.9**
 - c. First Quartile – 6.2**
 - d. Second Quartile – 20.1**
 - e. Third Quartile – 38.6**
 - f. Median – 20.1**
 - g. Range – $(41.9 - 0.2) = 41.7$**
 - h. Skewness – right skewness**
- B. Are there any outliers in the plot?**
- a. No**