



Experiment-1.2

Student Name: UID:

Section/Group: Branch: BE CSE

Semester: 6th **Date of Performance:**

Subject Code: 20CSP-376 Subject Name: DM Lab

1. Aim/Overview of the practical:

To perform the statistical analysis of data.

2. Apparatus / Simulator Used:

- Windows 7 or above
- R Studio

3. Objective:

- ➤ Represent the reading of file using R Studio.
- > Displaying the pattern on Weka Tool.
- Find mean, median and standard deviation of particular columns.

4. Script and Output:

Code:

library(Rweka)

N=read.arff("Student frame.arfr')

print(N)

cat("\n") print(head(N,2))

print(tail(N,3))

cat("\n")

dim(N)

names(N)N["Name")

#used to skip lines #used to print first 2 rows #used to print first 3 rows

#used for finding dimensions







cat("\n")
max(Math_Marks) #maximum from column
min(Science_Marks) #minimum from column

cat("\n")
mean(Eng_Marks) # mean
Median lath_Marks) # median
(cial_sci_Marks) # standard deviation

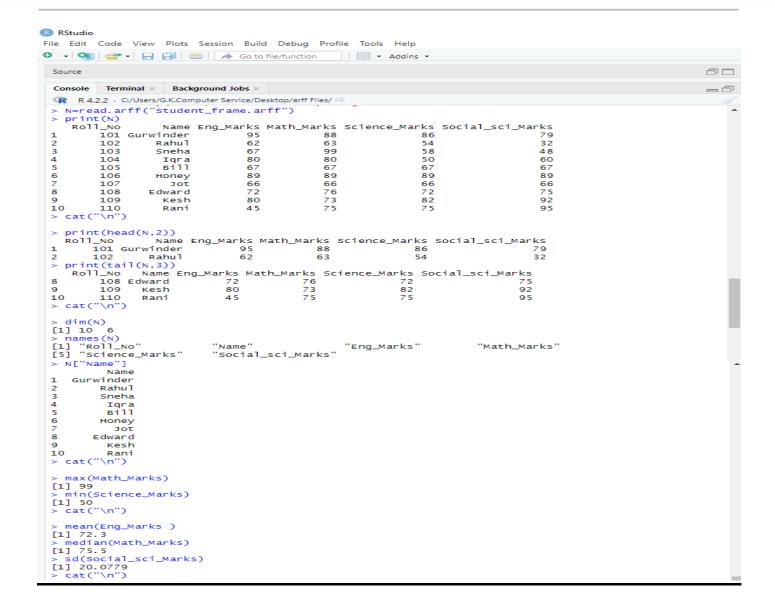
cat("\n")
summary(N)

Output:















```
> summary(N)
                                 Eng_Marks Math_Marks Science_Marks
  Roll_No
                 Name
ROII_NO NAME Eng_Marks Math_Marks Science_Marks
Min. :101.0 Length:10 Min. :45.00 Min. :63.0 Min. :50.00
1st Qu.:103.2 Class:character 1st Qu.:66.25 1st Qu.:68.5 1st Qu.:60.00
Median:105.5 Mode:character Median:69.50 Median:75.5 Median:69.50
Mean :105.5
                                Mean :72.30 Mean :77.6
                                                             Mean :69.90
3rd Qu.:107.8
                                 3rd Qu.:80.00 3rd Qu.:86.0 3rd Qu.:80.25
                                Max. :95.00 Max. :99.0 Max. :89.00
Max. :110.0
Social_sci_Marks
Min. :32.0
1st Qu.:61.5
Median:71.0
Mean :70.3
3rd Qu.:86.5
Max. :95.0
>
```

