





# UNIVERSITY INSTITUTE OF ENGINEERING Department of Computer Science & Engineering

**Subject Name:** 

Subject Code: 20CSP376

**Submitted to:** 

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**Submitted by:** 

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UID:20BCS6029 Section:DM607

Group: A



## **Experiment 1.2**

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Semester:6<sup>th</sup> Date of Performance:15/02/2023

Subject Name: Data Mining Lab Subject Code: 20CSP-376

#### 1. Aim:

⇒ To perform the statistical analysis of data.

### 2. Objective:

⇒ To represent the creation of file using R Studio and displaying the pattern on Weka Tool for futher extraction and analysis of knowledge.

### 3. Code And Output:

#### **Program**

```
#Library library
library("RWeka")

setwd("D:\\Amar Doc\\6th sem\\DM lab") getwd()

#Creation Of Data Frame
rating<-1:4
animal<-c('Dog','Lion','Hen','Panda') country<-
c('India','Australia','USA','Singapore') avg_sleep_hours<-c(4,5,6,7)
name<-c("Amarjeet","Manas","Kushagra")

#make sure to set dtring as factors to false.
#son that string values are stored as characters and not vectors.

super_sleepers <- data.frame(rating,animal,country,avg_sleep_hours,stringsAsFactors = FALSE)
print(super_sleepers) print(class(super_sleepers))
print(str(super_sleepers, file="super_sleepers.arff")
```

#print data print(N)
cat("\n\n\n")

#printing first two rows from
print(head(N,2))

dim(N)

names(N) #show all the animals N["animal"]

#show average sleep hours
N["avg\_sleep\_hours"] #show max
of average sleep hours
max(N["avg\_sleep\_hours"])

#show min of average sleep hours min(avg\_sleep\_hours)

#sum of average sleep hours
sum(avg\_sleep\_hours)

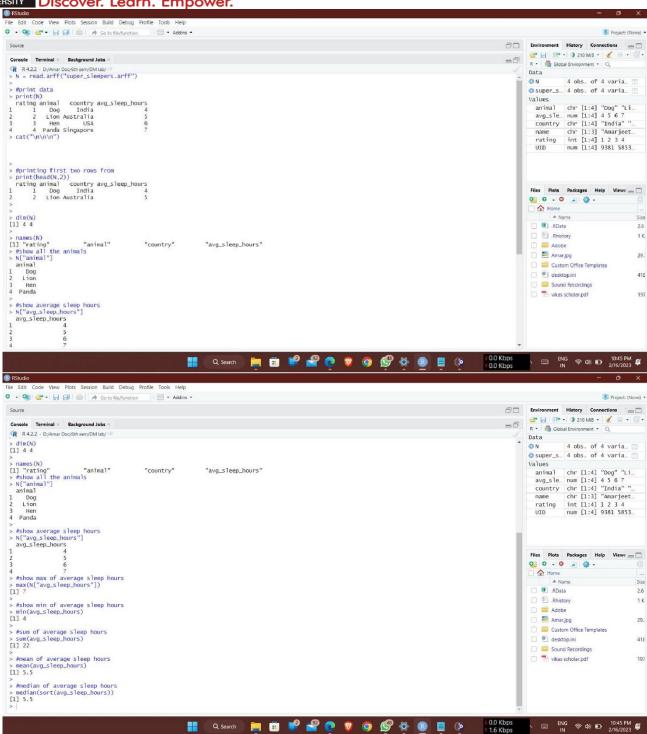
#mean of average sleep hours mean(avg\_sleep\_hours)

#median of average sleep hours median(sort(avg\_sleep\_hours))

**OUTPUT=** 



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