DEPARTMENT OF
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UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name: Data Mining

Subject Code: 20CSP-351

Submitted to:

Submitted by:

Name: Nabha Varshney

UID: 20BCS4995

Section: 20BCS_DM-704

Group: A

INDEX

Ex. No	List of Experiments	Date	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Remarks/ Signature
1.1							
1.2							
1.3							
2.1							
2.2							
2.3							
2.4							
3.1							
3.2							
3.3							

Experiment1.1

Student Name: Nabha Varshney **UID: 20BCS4995**

Branch: CSE **Section/Group: 20BCS-DM-704 (A)**

Semester: 6th **Date of Performance: 10th Feb 2023**

Subject Name: Data Mining **Subject Code: 20CSP- 351**

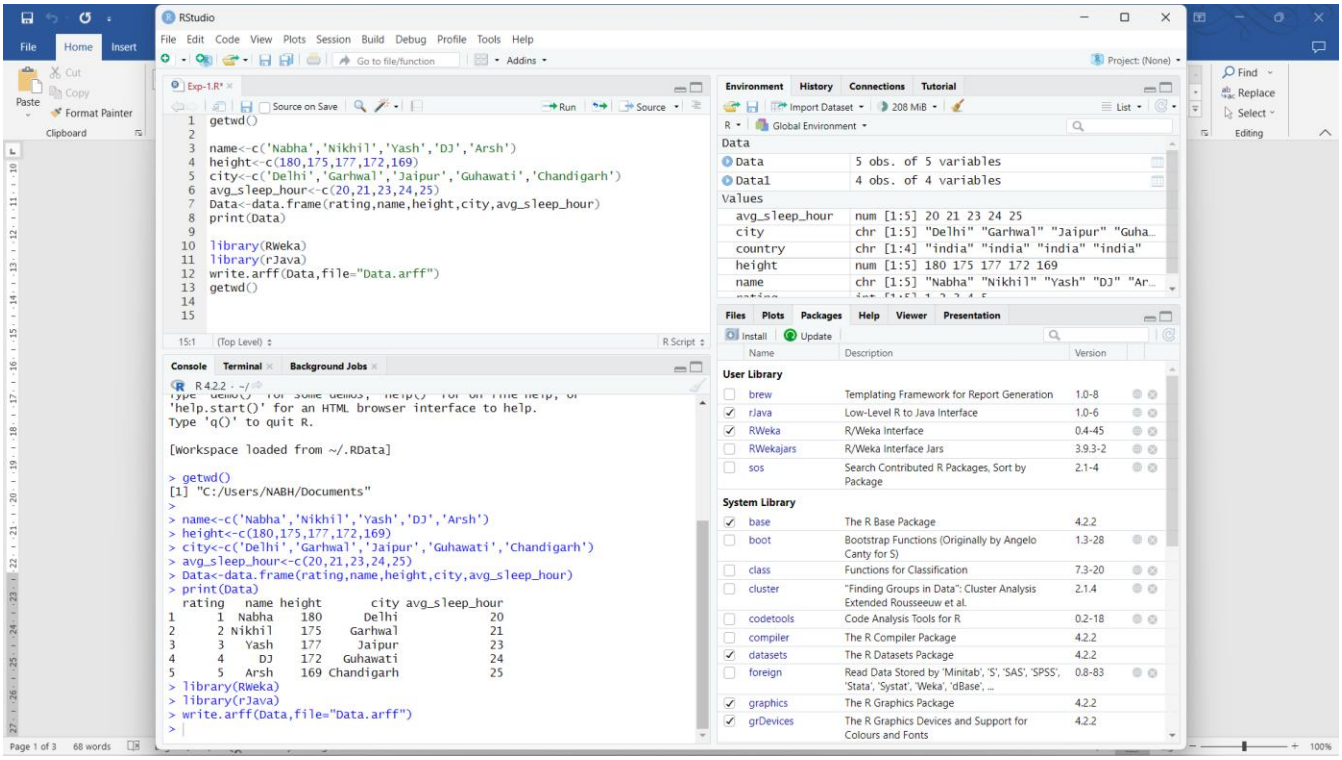
Aim - To demonstrate the concept of preprocessing on .arff file

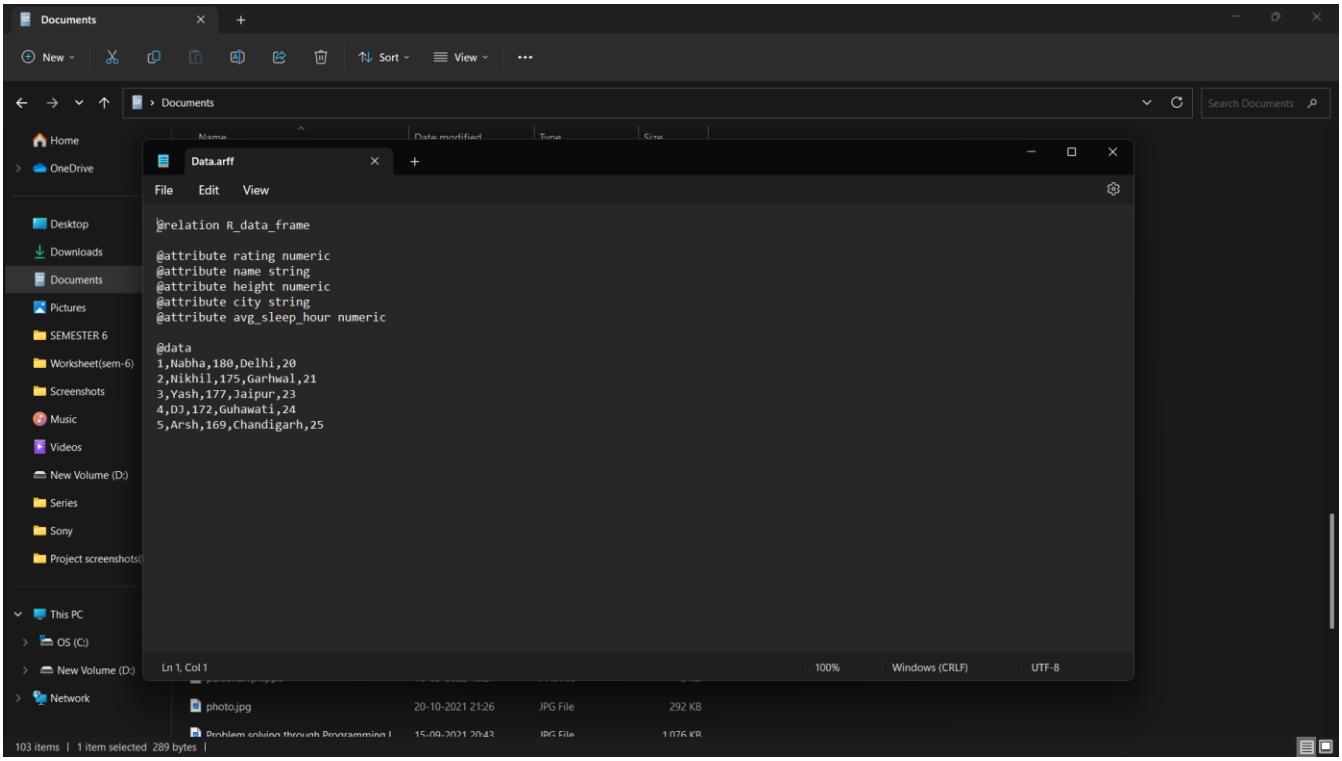
Objective-

- To get familiarize with R studio and it's components.

Script and Output-

```
getwd()

name<-c('Nabha','Nikhil','Yash','DJ','Arsh')

height<-c(180,175,177,172,169)

city<-c('Delhi','Garhwal','Jaipur','Guhawati','Chandigarh')

avg_sleep_hour<-c(20,21,23,24,25)

Data<-data.frame(rating,name,height,city,avg_sleep_hour)

print(Data)

library(RWeka)

library(rJava)

write.arff(Data,file="Data.arff")

getwd()
```


RStudio
Exp-1.R*
getwd()
name<-c('Nabha','Nikhil','Yash','DJ','Arsh')
height<-c(180,175,177,172,169)
city<-c('Delhi','Garhwal','Jaipur','Guhawati','Chandigarh')
avg_sleep_hour<-c(20,21,23,24,25)
Data<-data.frame(rating,name,height,city,avg_sleep_hour)
print(Data)
library(RWeka)
library(rJava)
write.arff(Data,file="Data.arff")
getwd()
Console
Terminal
Background Jobs
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
[Workspace loaded from ~/.RData]
> getwd()
[1] "C:/Users/NABH/Documents"
> name<-c('Nabha','Nikhil','Yash','DJ','Arsh')
> height<-c(180,175,177,172,169)
> city<-c('Delhi','Garhwal','Jaipur','Guhawati','Chandigarh')
> avg_sleep_hour<-c(20,21,23,24,25)
> Data<-data.frame(rating,name,height,city,avg_sleep_hour)
> print(Data)
rating name height city avg_sleep_hour
1 1 Nabha 180 Delhi 20
2 2 Nikhil 175 Garhwal 21
3 3 Yash 177 Jaipur 23
4 4 DJ 172 Guhawati 24
5 5 Arsh 169 Chandigarh 25
> library(RWeka)
> library(rJava)
> write.arff(Data,file="Data.arff")
Environment
History
Connections
Tutorial
Data
Data 5 obs. of 5 variables
Data1 4 obs. of 4 variables
Values
avg_sleep_hour num [1:5] 20 21 23 24 25
city chr [1:5] "Delhi" "Garhwal" "Jaipur" "Guha...
country chr [1:4] "india" "india" "india" "india"
height num [1:5] 180 175 177 172 169
name chr [1:5] "Nabha" "Nikhil" "Yash" "DJ" "Ar...
Files
Plots
Packages
Help
Viewer
Presentation
User Library
System Library


Documents
Data.arff
File Edit View
@relation R_data_frame
@attribute rating numeric
@attribute name string
@attribute height numeric
@attribute city string
@attribute avg_sleep_hour numeric
@data
1,Nabha,180,Delhi,20
2,Nikhil,175,Garhwal,21
3,Yash,177,Jaipur,23
4,DJ,172,Guhawati,24
5,Arsh,169,Chandigarh,25
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8
103 items | 1 item selected 289 bytes