



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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## Experiment1.1

**Student Name: Anshuman Singh**

**Branch: BE-CSE**

**Semester: 6<sup>th</sup>**

**Subject Name: Data Mining Lab**

**UID: 20BCS2665**

**Section/Group: 902/A**

**Date of Performance: 20/02/2023**

**Subject Code: 20CSP-376**

### Aim:

Demonstration of preprocessing on .arff file using R Programming.

### Objective:

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

### Code and Output:

#### PROGRAM :-

```
library (RWeka)
setwd("/Users/anshumansingh/Desktop")
getwd()

sno<-1:4
student_name<- c('Anshuman','Rajdeep','Xyz','abc')
uid<-c('20BCS2665','20BCS2761','20BCS9186','20BCS9356')
student_data = data.frame(sno,student_name,uid)
print(student_data)
write.arff(student_data,file("student_data.arff"))
```



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```
Go to file/function | Addins
Untitled1* x
Source on Save | Run | Source
1 library (RWeka)
2 setwd("/Users/anshumansingh/Desktop")
3 getwd()
4
5 sno<-1:4
6 student_name<- c('Anshuman','Rajdeep','Xyz','abc')
7 uid<-c('20BCS2665','20BCS2761','20BCS9186','20BCS9356')
8 student_data = data.frame(sno,student_name,uid)
9 print(student_data)
10 write.arff(student_data,file("student_data.arff"))
11
3:8 (Top Level) R Script
Console Terminal Background Jobs
```

Environment History Connections Tutorial | 175 MiB | List

R Global Environment

Data

student_data	4 obs. of 3 variables
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Values

sno	int [1:4] 1 2 3 4
student_name	chr [1:4] "Anshuman" "Rajdeep" "Xyz" "abc"
uid	chr [1:4] "20BCS2665" "20BCS2761" "20BCS9186" "20BCS9356"



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```
Console Terminal × Background Jobs ×
R 4.2.2 · ~/Desktop/

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> library (RWeka)
> setwd("/Users/anshumansingh/Desktop")
> getwd()
[1] "/Users/anshumansingh/Desktop"
>
> sno<-1:4
> student_name<- c('Anshuman', 'Rajdeep', 'Xyz', 'abc')
> uid<-c('20BCS2665', '20BCS2761', '20BCS9186', '20BCS9356')
> student_data = data.frame(sno,student_name,uid)
> print(student_data)
  sno student_name      uid
1   1     Anshuman 20BCS2665
2   2      Rajdeep 20BCS2761
3   3         Xyz 20BCS9186
4   4         abc 20BCS9356
> save(student_data, file("student_data.arff"))
> |
```