



Experiment 1.1

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Section/Group: 607-B

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Subject Name: Data Mining Lab

Subject Code: 20CSP-376

1. Aim/Overview of the practical:

Demonstration of preprocessing on .arff file using student data .arff.

2. Objective:

1. To learn how to create an .arff file.
2. To understand the process of file creation in R.
3. To learn the utilization of RWeka.

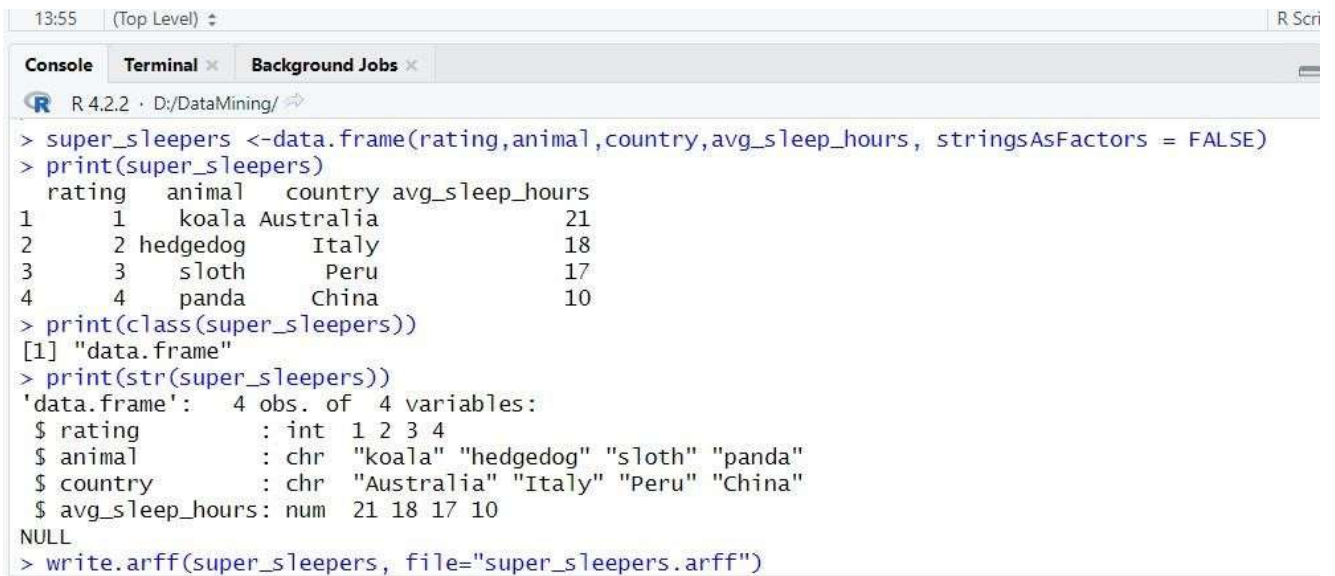
3. Code:

```
library(RWeka)
setwd("D:\\DataMining")
getwd()
rating <- 1:4
animal <- c('koala','hedgedog','sloth','panda')
country <- c('Australia','Italy','Peru','China')
avg_sleep_hours <- c(21,18,17,10)

super_sleepers <- data.frame(rating,animal,country,avg_sleep_hours,
stringsAsFactors = FALSE)
print(super_sleepers)
```

```
print(class(super_sleepers))  
print(str(super_sleepers))  
write.arff(super_sleepers, file="super_sleepers.arff")
```

4. Output:



13:55 (Top Level) R Scri

Console Terminal Background Jobs

R 4.2.2 · D:/DataMining/

```
> super_sleepers <- data.frame(rating, animal, country, avg_sleep_hours, stringsAsFactors = FALSE)  
> print(super_sleepers)  
  rating animal  country avg_sleep_hours  
1      1   koala Australia             21  
2      2 hedgedog    Italy             18  
3      3   sloth    Peru              17  
4      4   panda    China             10  
> print(class(super_sleepers))  
[1] "data.frame"  
> print(str(super_sleepers))  
'data.frame':  4 obs. of  4 variables:  
 $ rating      : int  1 2 3 4  
 $ animal      : chr  "koala" "hedgedog" "sloth" "panda"  
 $ country     : chr  "Australia" "Italy" "Peru" "China"  
 $ avg_sleep_hours: num  21 18 17 10  
NULL  
> write.arff(super_sleepers, file="super_sleepers.arff")
```