Experiment1.1

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Branch: CSE   **Section**: 905/A

Semester: 6   **Date of Performance**: 15/02/2023

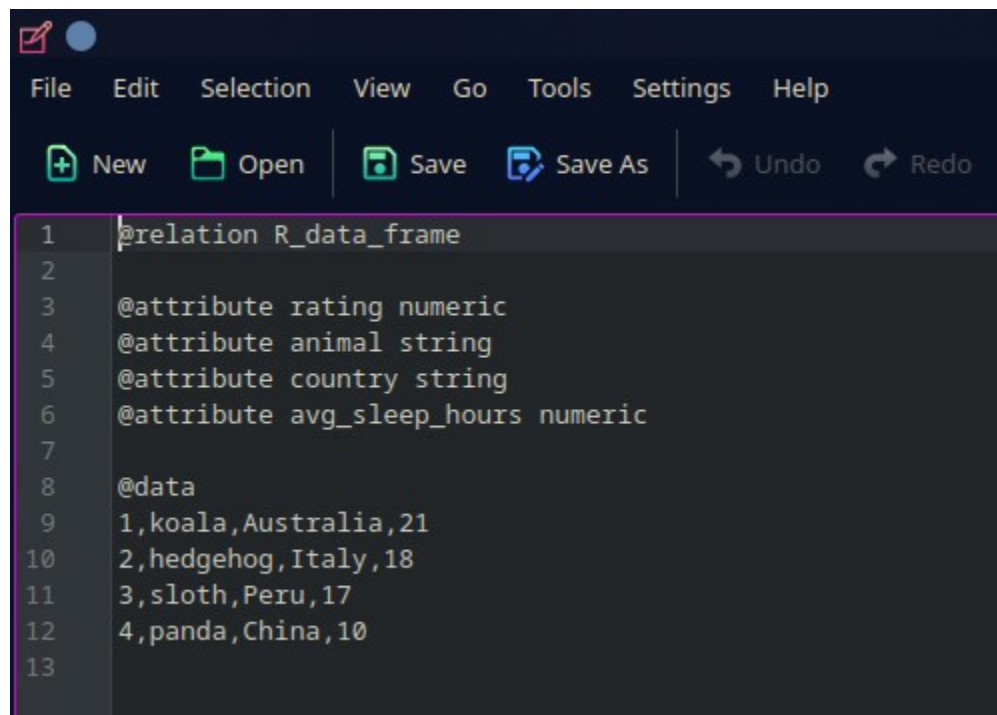**Subject Name**: Data Mining Lab   **Subject Code**: 20CSP-376

1)   Aim:

Demonstration of preprocessing on .arff file using R Programming.

2)   Objective:

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

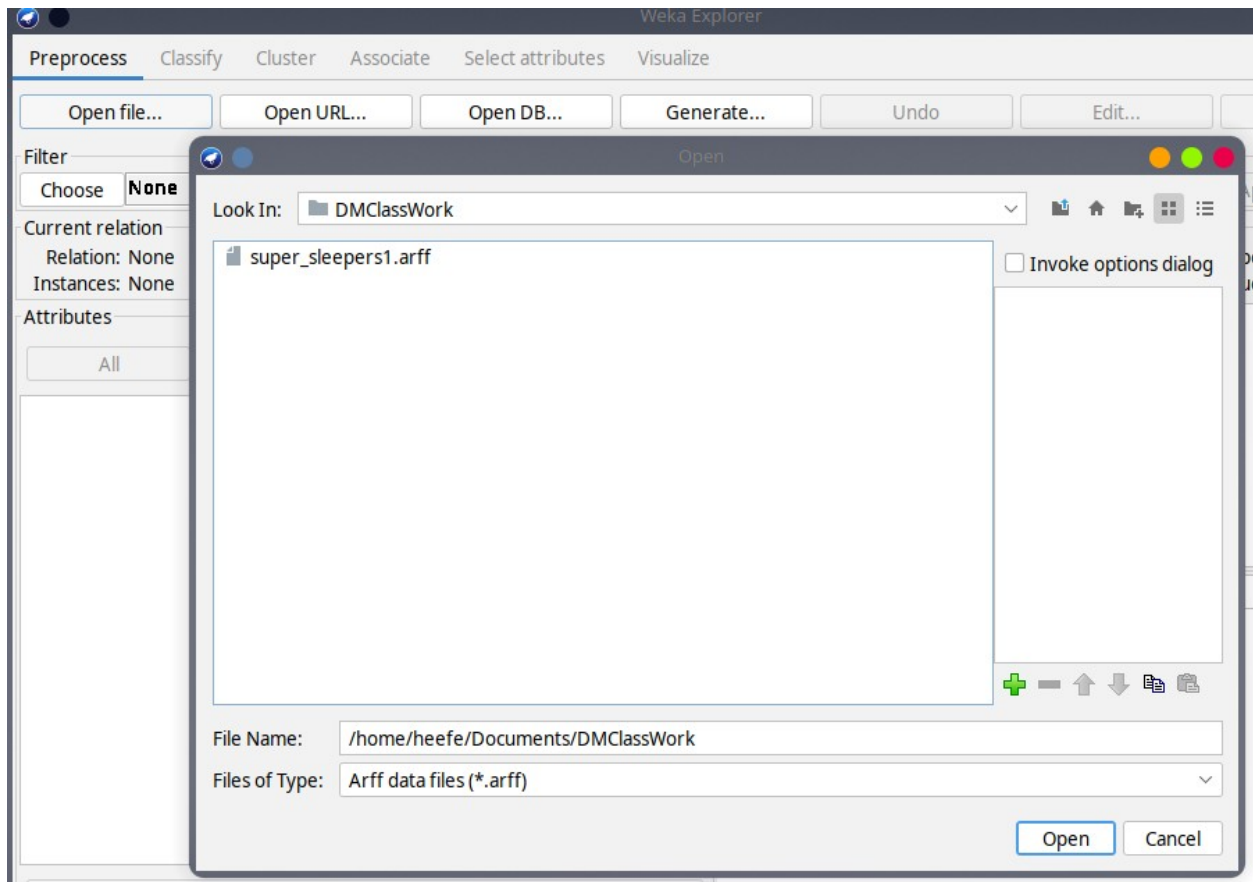## 3)   Code and Output:

- Created a .arff file as -

```
File    Edit    Selection    View    Go    Tools    Settings    Help

  New      Open       Save      Save As        Undo       Redo

1    @relation R_data_frame
2
3    @attribute rating numeric
4    @attribute animal string
5    @attribute country string
6    @attribute avg_sleep_hours numeric
7
8    @data
9    1,koala,Australia,21
10   2,hedgehog,Italy,18
11   3,sloth,Peru,17
12   4,panda,China,10
13
```
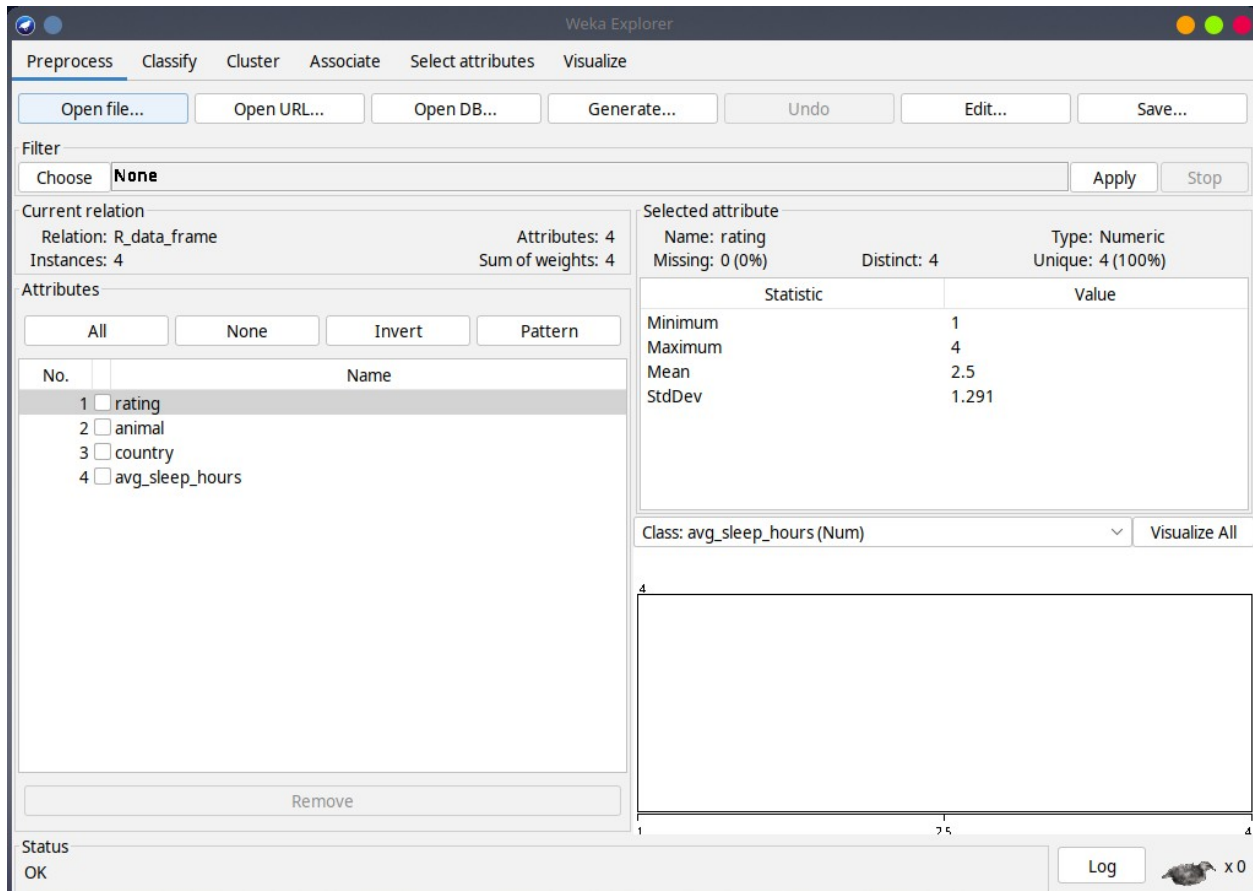
- Opened the file using Rweka -


```
6
7   #checking working directory
8   getwd()
9
0   #Creating Data frame
1   rating <- 1:4
2   animal <- c('koala','hedgehog','sloth','panda')
3   country <- c('Australia','Italy','Peru','China')
4   avg sleep hours <- c(21,18,17,10)
```

Extracted information -