



Experiment 1.2

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Subject Name: Data Mining Lab

Subject Code: 20CSP-376

1. Aim/Overview of the practical:

To perform statistical analysis of data

2. Objective:

- To perform statistical analysis of data using RWeka.
- To learn how to calculate mean, median and standard deviation in R.
- To learn the utilization of RWeka.

3. Code:

```
library("RWeka")
```

```
N = read.arff("D:\\DataMining")
```

```
print(N)
```

```
cat("\n\n\n")
```

```
print(head(N,2))
```

`dim(N)`

`names(N)`

`N["animal"]`

`N["avg_sleep_hours"]`

`max(N["avg_sleep_hours"])`

`min(avg_sleep_hours)`

`sum(avg_sleep_hours)`

`mean(avg_sleep_hours)`

`median(sort(avg_sleep_hours))`

`sd(avg_sleep_hours)`

`summary(N)`

4. Output:



```
Console Terminal Background Jobs
R 4.2.2 · D:/DataMining/
> N["avg_sleep_hours"]
Error: object 'N' not found
> max(N["avg_sleep_hours"])
Error: object 'N' not found
> min(avg_sleep_hours)
[1] 10
> sum(avg_sleep_hours)
[1] 66
> mean(avg_sleep_hours)
[1] 16.5
> median(sort(avg_sleep_hours))
[1] 17.5
> sd(avg_sleep_hours)
[1] 4.654747
> summary(N)
```