

DATE :10/09/2022

COURSE NAME:DATA WAREHOUSING AND DATA MINING FOR
MEDICAL APPLICATIONS

COURSE CODE: CSA1654

NAME OF THE STUDENT: M.OOHA

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DEPARTMENT :CSE

EXPERIMENT:1

@relation playing

@attribute condition {sunny,cloudy,raining}

@attribute temperature numeric

@attribute class{yes,no}

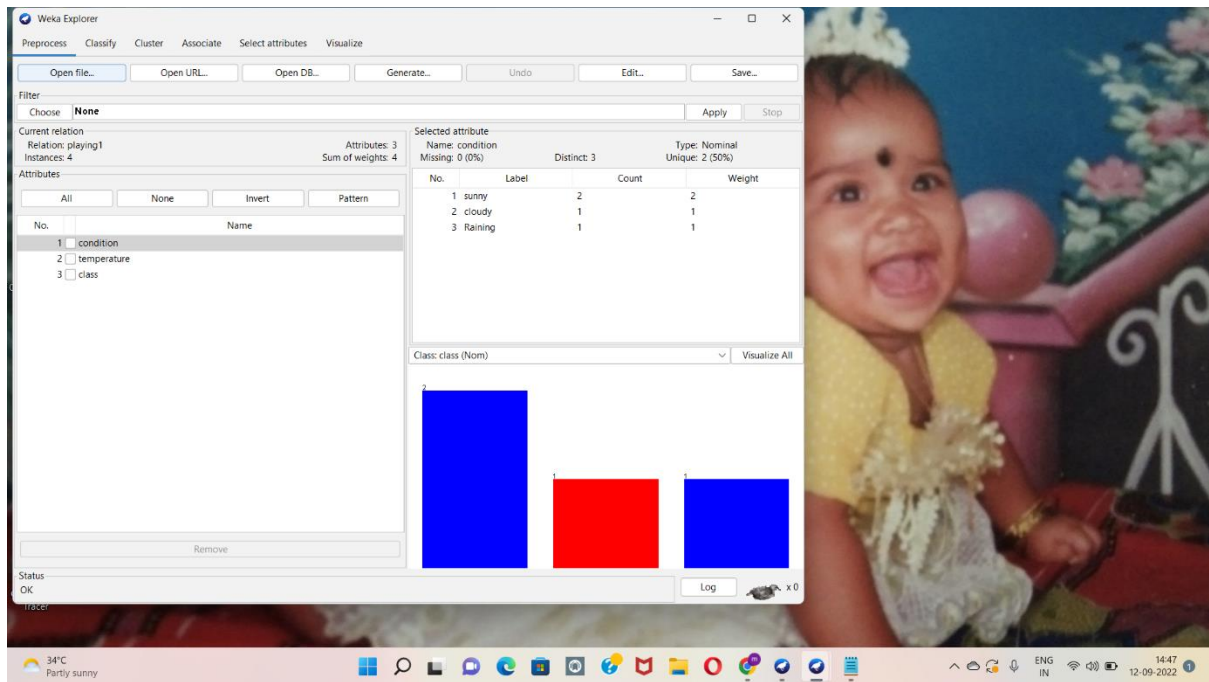
@data

sunny 85 yes

sunny 76 yes

cloudy 95 no

raining 87 yes



EXPERIMENT:2

```
MODE
R
1 getmode <- function(v) {
2   univ <- unique(v)
3   univ[which.max(tabulate(match(v, univ)))]
4 }
5
6 # Create the vector with numbers.
7 v <- c(2,1,2,3,1,2,3,4,1,5,5,3,2,3)
8
9 # Calculate the mode using the user function.
10 result <- getmode(v)
11 print(result)
12
13 # Create the vector with characters.
14 charv <- c("o","it","the","it","it")
15
16 # Calculate the mode using the user function.
17 result <- getmode(charv)
18 print(result)
```

Program Input

Output

```
[1] 2
[1] "it"

[Execution complete with exit code 0]
```

```
MEDIAN
R
1 x <- c(12,7,3,4,2,18,2,54,-21,8,-5)
2
3 # Find the median.
4 median.result <- median(x)
5 print(median.result)
```



Program Input


Output



```
[1] 5.6

[Execution complete with exit code 0]
```

MEAN

 R 



 Run  Save

```
1 x <- c(12,7,3,4.2,18,2,54,-21,8,-5)
2
3 # Find Mean.
4 result.mean <- mean(x)
5 print(result.mean)
6
```

Program input

Output

[1] 8.22

[Execution complete with exit code 0]