2.Cluster:-

@relation employee

@attribute employeid numeric

@attribute gender{male,female}

@attribute age numeric

@attribute salary numeric

@attribute credit numeric

@data

1111,male,28,150000,39

2222,male,25,150000,27

3333,female,26,160000,42

4444,female,25,160000,40

5555,female,30,170000,64

6666,male,29,200000,72

Incorrect:-

@relation employee

@attribute employeid numeric

@attribute gender{male,female}

@attribute age numeric

@attribute salary numeric

@attribute credit numeric

@data

1111,female,28,150000,39

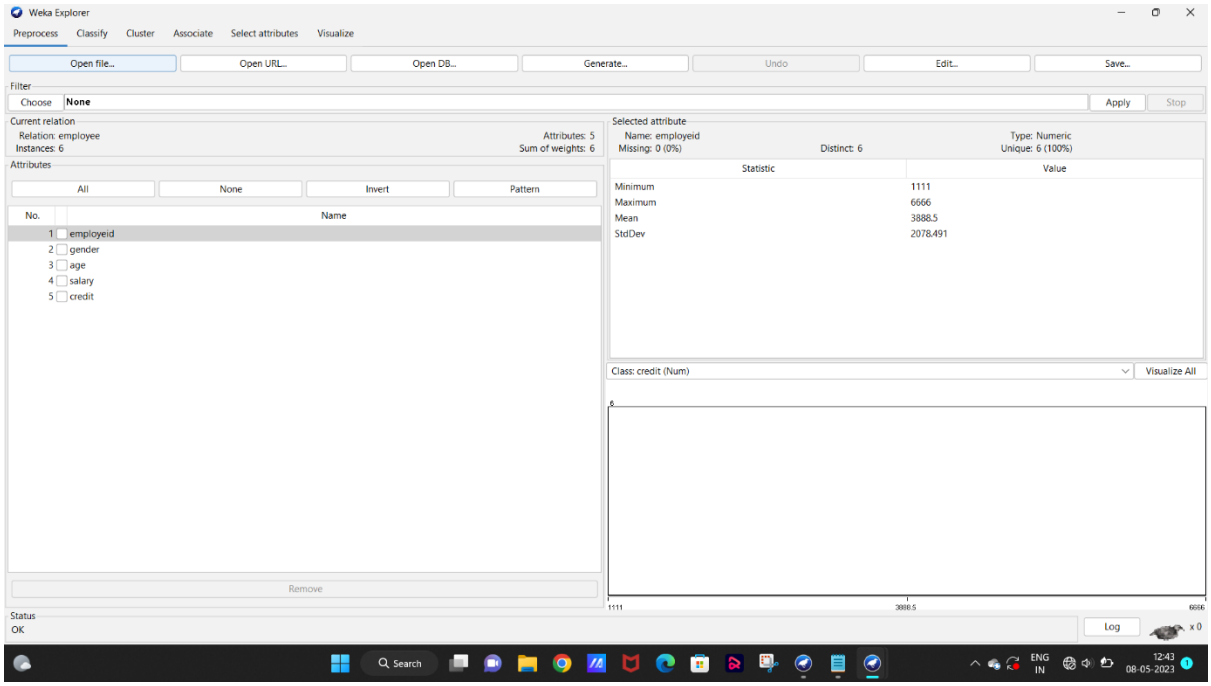
2222,male,25,150000,67

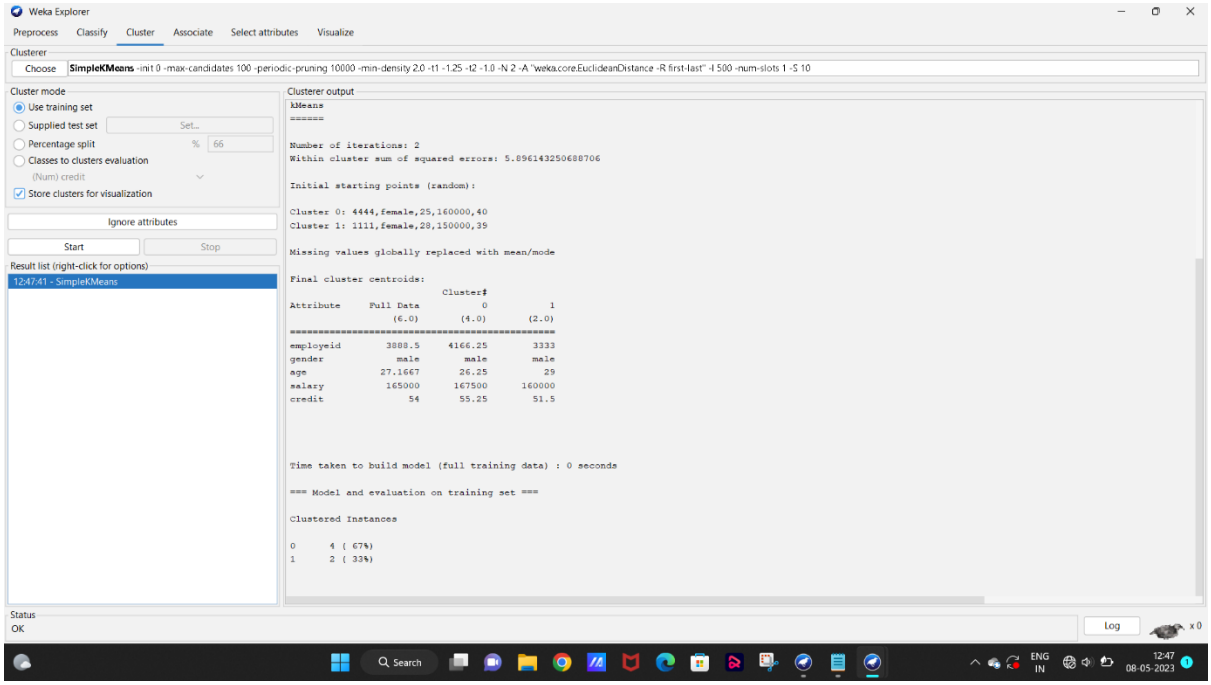
3333,female,26,160000,42

4444,female,25,160000,40

5555,male,30,170000,64

6666,male,29,200000,72





3. decision tree:-

@relation dataset

@attribute height numeric

@attribute weight numeric

@attribute gender{male,female}

@data

180,60,male

120,81,male

125,55,female

Incorrect:-

@relation dataset

@attribute height numeric

@attribute weight numeric

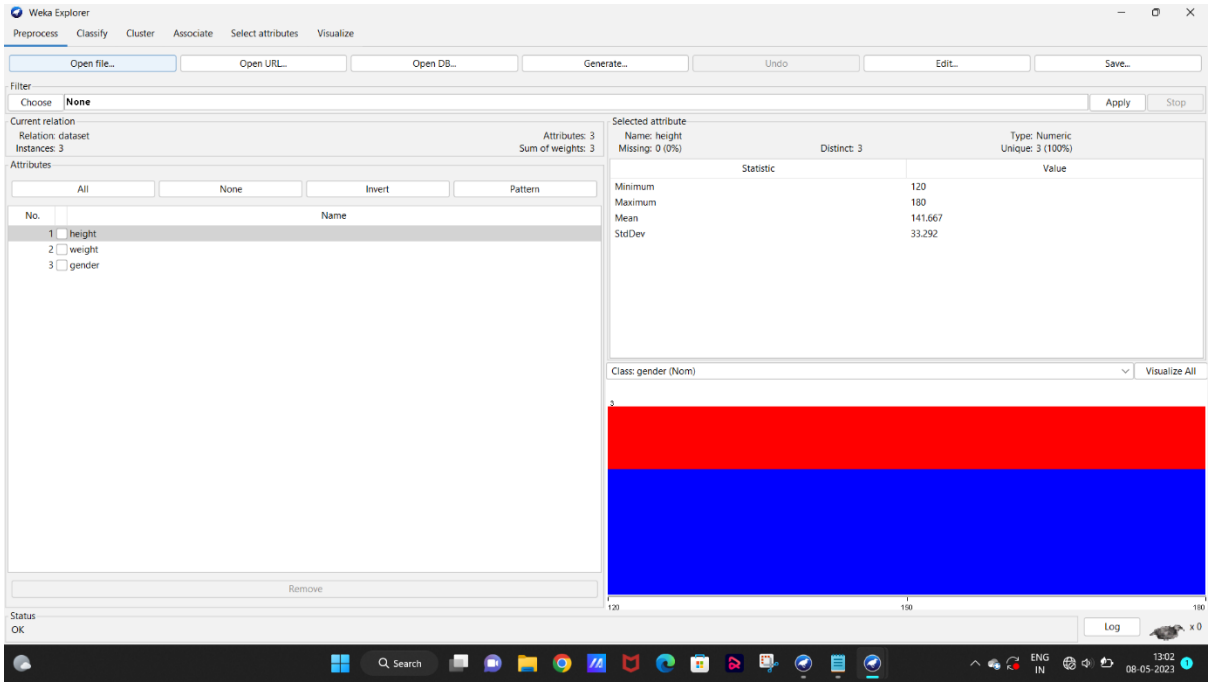
@attribute gender{male,female}

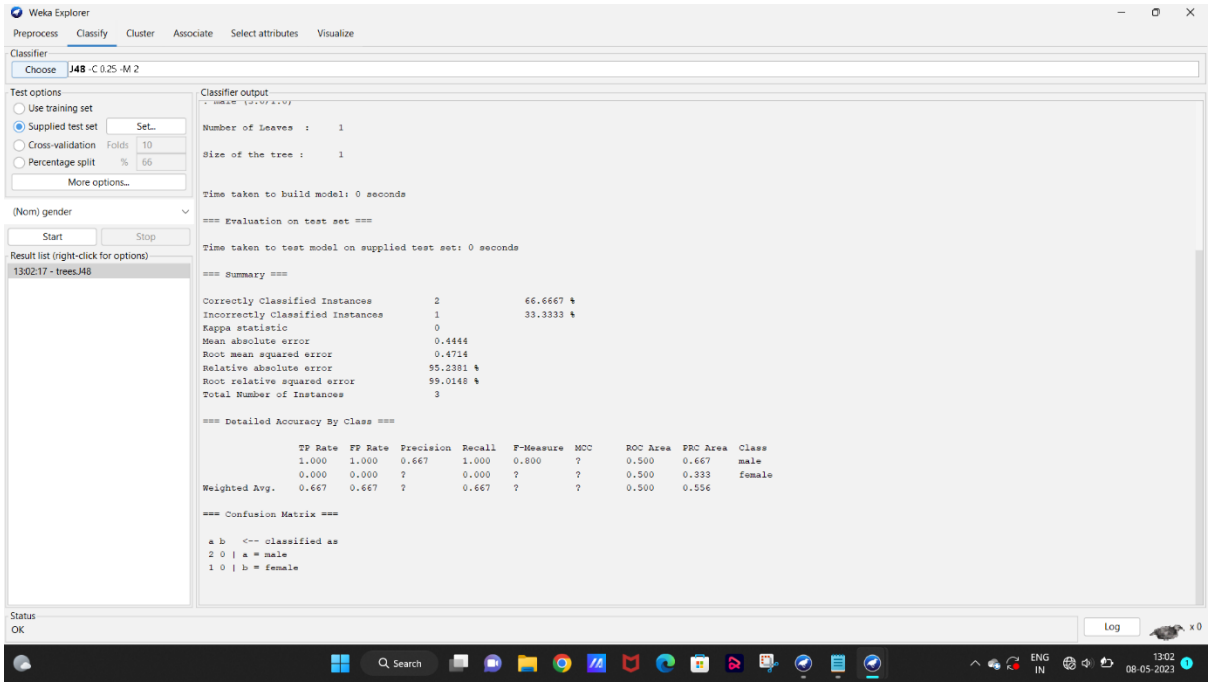
@data

180,60,female

120,81,male

125,55,male





4.fp-growth:-

@relation t_id

@attribute sony{yes,no}

@attribute bpl{yes,no}

@attribute lg{yes,no}

@attribute samsung{yes,no}

@attribute onida{yes,no}

@data

yes,yes,yes,no,no

no,yes,no,yes,no

no,yes,no,no,yes

yes,yes,no,yes,no

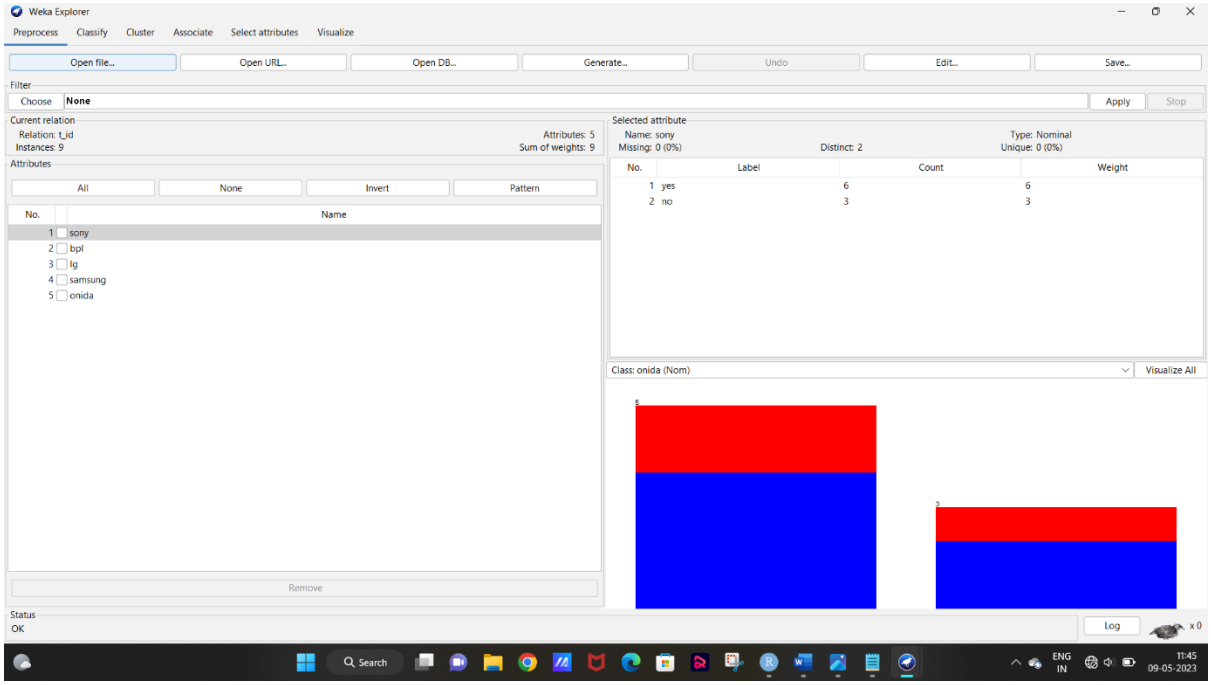
yes,no,no,no,yes

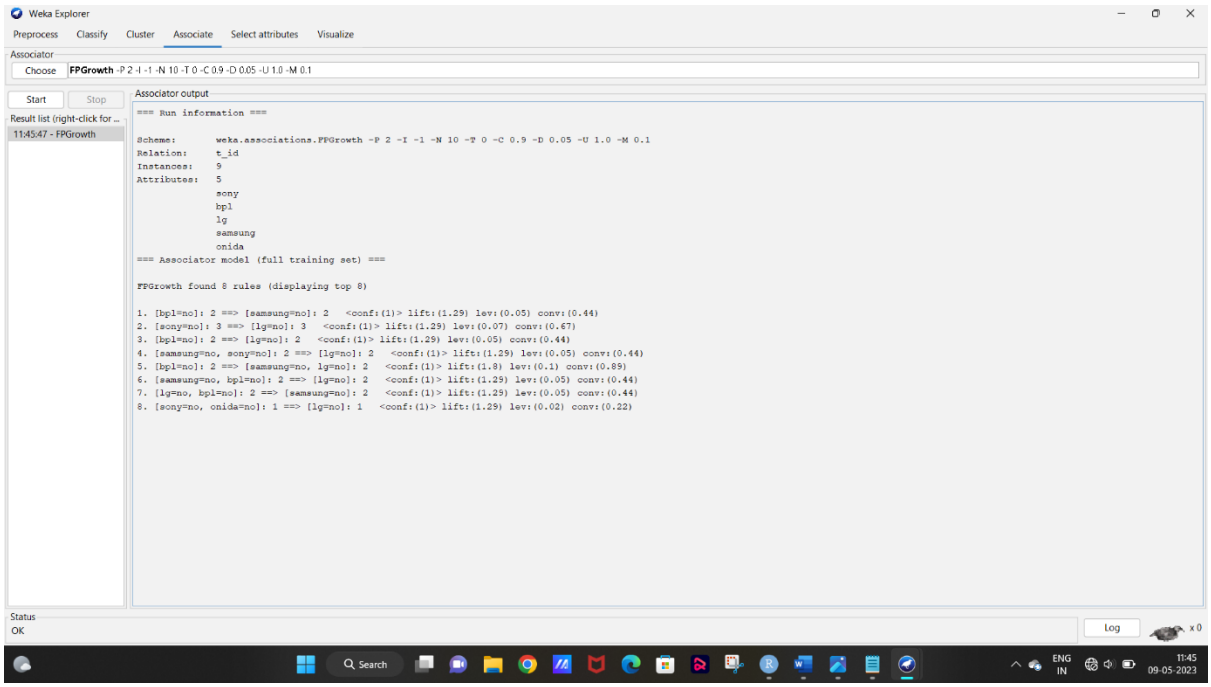
no,yes,no,no,yes

yes,no,no,no,yes

yes,yes,yes,no,yes

yes,yes,no,no,yes





5.min-max,z-score normalisation:-

F_min <- 50000

F_max <- 100000

v <- 80000

```
data <- c(200,300,400,600,1000)

min_max_norm <- function(x){(x-F_min)/(F_max-F_min)}

data_min_max_norm <- min_max_norm(data)

z_score_norm <- function(x){(x-mean(data))/sd(data)}

data_z_score_norm <- z_score_norm(data)

cat("Min-Max normalised data:",data_min_max_norm,"\n")
```