

EX.NO 3A: VISUALIZING DATASET USING WEKA TOOL

AIM:

To visualize dataset using WEKA tool.

PROCEDURE:

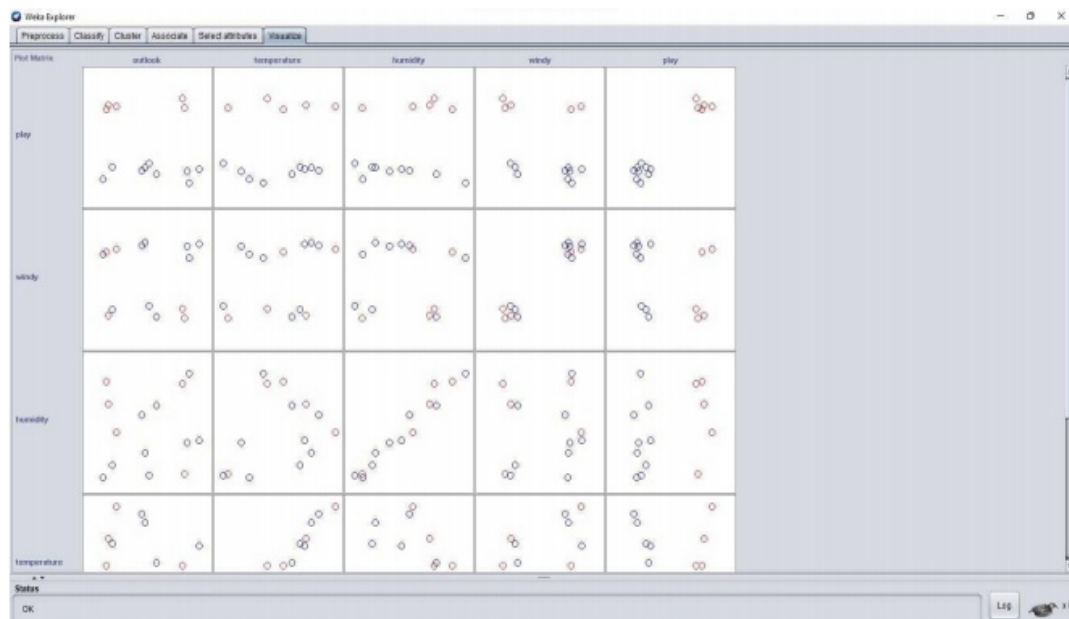
1. Open Start -> Programs -> Accessories -> Notepad
2. Type the following training data set with the help of Notepad for Weather Table.

```
@relation weather
```

```
@attribute outlook {sunny, overcast, rainy}  
@attribute temperature real  
@attribute humidity real @attribute  
windy {TRUE, FALSE} @attribute play  
{yes, no}
```

```
@data sunny,85,85,FALSE,no  
sunny,80,90,TRUE,no  
overcast,83,86,FALSE,yes  
rainy,70,96,FALSE,yes  
rainy,68,80,FALSE,yes  
rainy,65,70,TRUE,no  
overcast,64,65,TRUE,yes  
sunny,72,95,FALSE,no  
sunny,69,70,FALSE,yes  
rainy,75,80,FALSE,yes  
sunny,75,70,TRUE,yes  
overcast,72,90,TRUE,yes  
overcast,81,75,FALSE,yes  
rainy,71,91,TRUE,no
```

3. After that the file is saved with .arff file format.
4. Minimize the arff file & then open Start -> Programs -> weka .
5. Click on weka-3-4, then Weka dialog box is displayed on the screen.
6. In that dialog box there are four modes, click on explorer.
7. Explorer shows many options. In that click on 'open file' and select the arff file.
8. Click on edit button which shows weather table on weka.



RESULT:

Thus the visualization of dataset using WEKA tool has been executed successfully.

EX.NO:3B

PRE-PROCESSING DATASET USING WEKA TOOL

AIM:

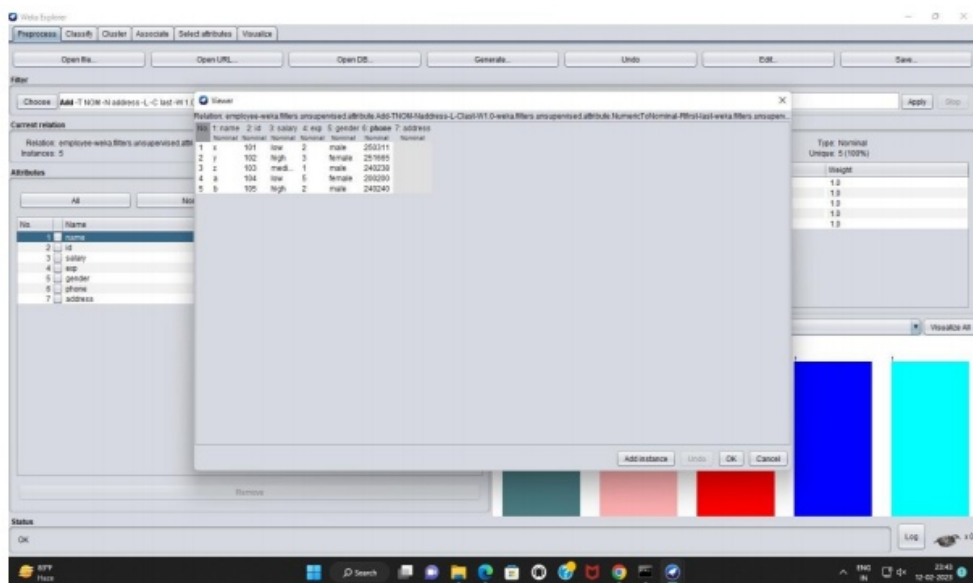
To apply the pre-processing technique to the training dataset of weather table.

PROCEDURE:

1. Open Start -> Programs -> Accessories -> Notepad.
2. Type the following training data set with the help of Notepad for Employee Table.

```
@relation employee @attribute
name { x,y,z,a,b} @attribute id
numeric
@attribute salary { low,medium,high}
@attribute exp numeric
@attribute gender { male,female}
@attribute phone numeric @data
x,101,low,2,male,250311
y,102,high,3,female,251665
z,103,medium,1,male,240238
a,104,low,5,female,200200
b,105,high,2,male,240240
```

3. After that the file is saved with .arff file format.
4. Minimize the arff file & then open Start -> Programs -> weka .
5. Click on weka-3-4, then Weka dialog box is displayed on the screen.
6. In that dialog box there are four modes, click on explorer.
7. Explorer shows many options. In that click on 'open file' and select the arff file.
8. Click on edit button which shows employee table on weka.



RESULT:

Thus the pre-processsing technique to the training dataset of weather table has been executed successfully.

**EX.NO:3C ASSOCIATION RULE MINING OF DATASET IN WEKA TOOL USING
APRIORI ALGORITHM**

AIM:

To demonstrate association rule mining of dataset in weka tool using Apriori algorithm.

PROCEDURE:

- 1.Open Start -> Programs -> Accessories -> Notepad.
- 2.Type the following training data set with the help of Notepad forEmployee Table.

```
@relation employee @attribute
name { x,y,z,a,b} @attribute id
numeric
@attribute salary { low,medium,high}
@attribute exp numeric
@attribute gender { male,female}
@attribute phone numeric @data
x,101,low,2,male,250311
y,102,high,3,female,251665
z,103,medium,1,male,240238
a,104,low,5,female,200200
b,105,high,2,male,240240
```

- 3.After that the file is saved with .arff file format.
- 4.Minimize the arff file & then open Start -> Programs -> weka .
- 5.Click on weka-3-4, then Weka dialog box is displayed on the screen.
- 6.In that dialog box there are four modes, click on explorer.
- 7.Explorer shows many options. In that click on 'open file' andselect the arff file.
- 8.Click on edit button which shows employee table on weka.

RESULT:

Thus the association rule mining of dataset in weka tool using Apriori algorithm has been executed successfully.