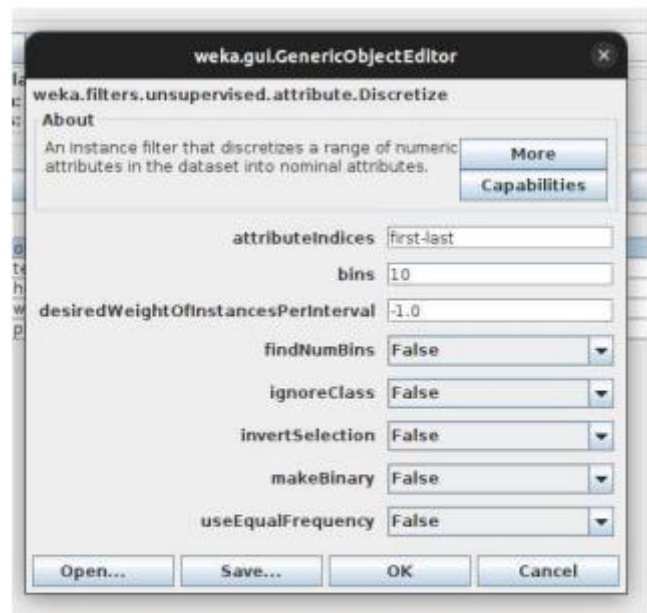
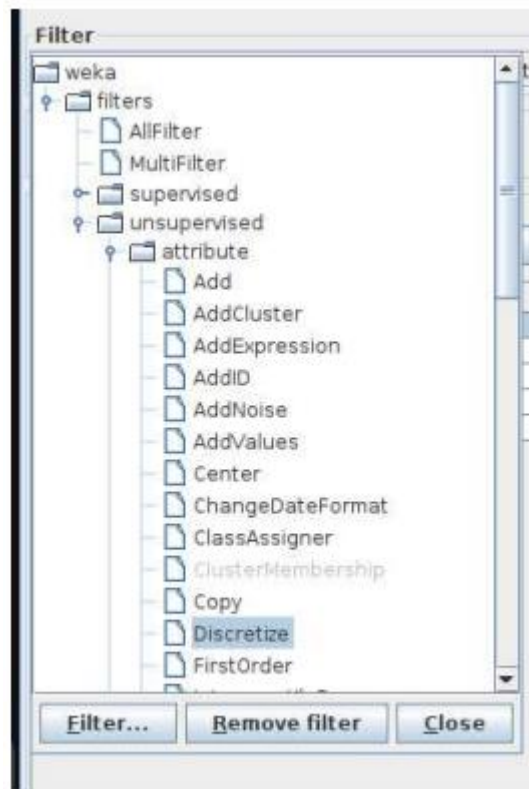


Experiment No. 5

Aim:- To implement data discretization and data visualization using WEKA.



Outputs :-

Before binning

The screenshot shows the 'Viewer' dialog box in WEKA displaying the 'weather' dataset. The table has 14 rows and 6 columns: No., outlook, temperature, humidity, windy, and play. The data is as follows:

No.	outlook	temperature	humidity	windy	play
1	sunny	85.0	85.0	FALSE	no
2	sunny	80.0	90.0	TRUE	no
3	overc...	83.0	86.0	FALSE	yes
4	rainy	70.0	96.0	FALSE	yes
5	rainy	68.0	80.0	FALSE	yes
6	rainy	65.0	70.0	TRUE	no
7	overc...	64.0	65.0	TRUE	yes
8	sunny	72.0	95.0	FALSE	no
9	sunny	69.0	70.0	FALSE	yes
10	rainy	75.0	80.0	FALSE	yes
11	sunny	75.0	70.0	TRUE	yes
12	overc...	72.0	90.0	TRUE	yes
13	overc...	81.0	75.0	FALSE	yes
14	rainy	71.0	91.0	TRUE	no

- After binning

Viewer

Relation: weather-weka.filters.unsupervised.attribute...

No.	outlook Nominal	temperature Nominal	humidity Nominal	windy Nominal	play Nominal
1	sunny	'(82.9-inf)'	'(83.6-...	FALSE	no
2	sunny	'(78.7-80.8]'	'(89.8-...	TRUE	no
3	overc...	'(82.9-inf)'	'(83.6-...	FALSE	yes
4	rainy	'(68.2-70.3]'	'(92.9-4...	FALSE	yes
5	rainy	'(66.1-68.2]'	'(77.4-...	FALSE	yes
6	rainy	'(-inf-66.1]'	'(68.1-...	TRUE	no
7	overc...	'(-inf-66.1]'	'(-inf-6...	TRUE	yes
8	sunny	'(70.3-72.4]'	'(92.9-4...	FALSE	no
9	sunny	'(68.2-70.3]'	'(68.1-...	FALSE	yes
10	rainy	'(74.5-76.6]'	'(77.4-...	FALSE	yes
11	sunny	'(74.5-76.6]'	'(68.1-...	TRUE	yes
12	overc...	'(70.3-72.4]'	'(89.8-...	TRUE	yes
13	overc...	'(80.8-82.9]'	'(74.3-...	FALSE	yes
14	rainy	'(70.3-72.4]'	'(89.8-...	TRUE	no

Undo OK Cancel

- Visualization

