



Academic Year: 2024-2025

Semester: V

Class / Branch: TE/CSE-DS

Subject: DWM Lab

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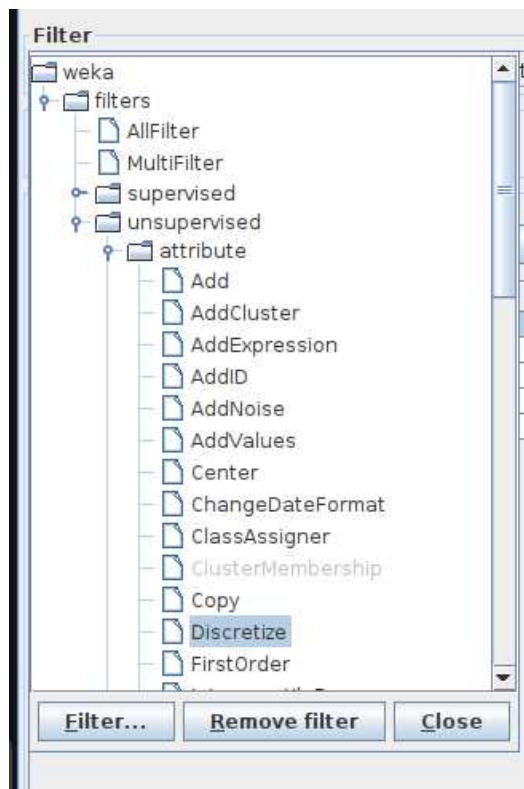
Date Of Performance: 22/8/24

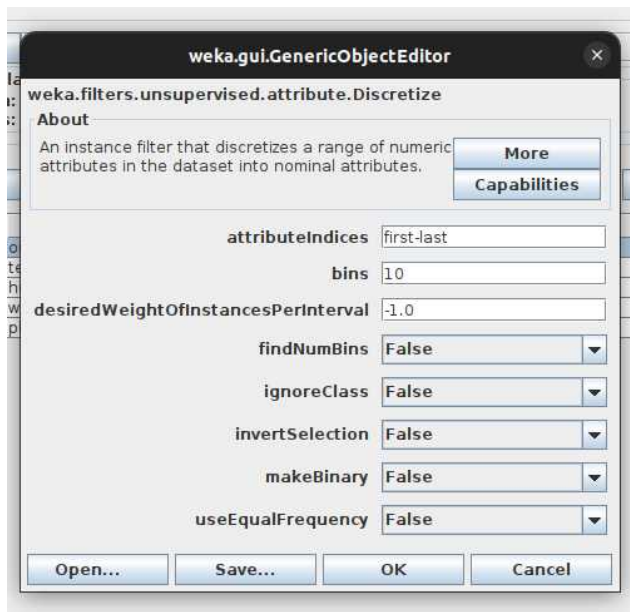
Date Of Submission: 22/8/24

Experiment No. 5

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

Outputs :-





- Before binning

The screenshot shows the 'Viewer' window displaying the 'weather' relation. The data is presented in a table with 14 rows and 6 columns. The columns are: No., outlook, temperature, humidity, windy, and play. The data types for each column are: Nominal, Nominal, Numeric, Numeric, Nominal, and Nominal respectively.

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

Buttons at the bottom include Undo, OK, and Cancel.



- After binning

Viewer

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

No.	outlook	temperature	humidity	windy	play
	Nominal	Nominal	Nominal	Nominal	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-l...	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-l...	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

