Name: soham kulkarni

TE-B

Sub: DWM
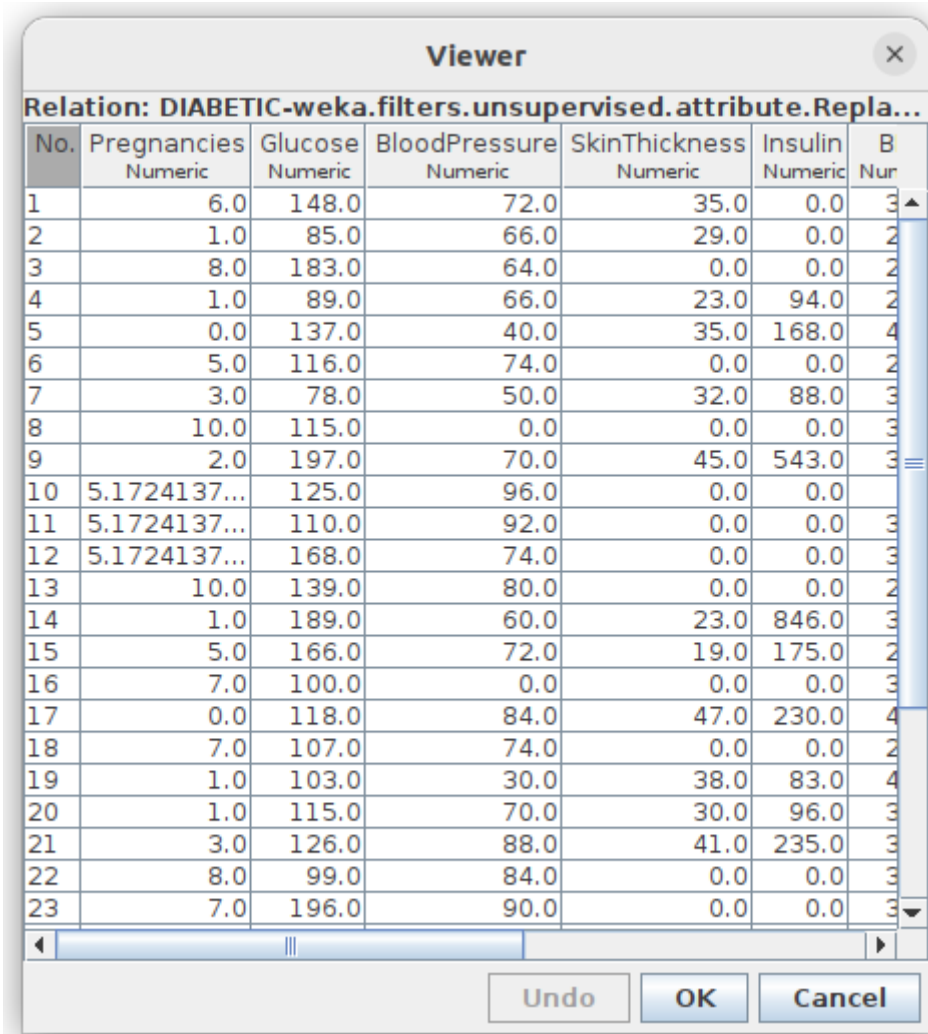
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Experiment 6

Dataset with missing values

Selected attribute
Name: Pregnancies   Type: Numeric
Missing: 3 (9%)   Distinct: 12   Unique: 5 (16%)

Statistic	Value
Minimum	0
Maximum	13
Mean	5.172
StdDev	3.742

Viewer ✕

Relation: DIABETIC

No.	Pregnancies Numeric	Glucose Numeric	BloodPressure Numeric	SkinThickness Numeric	Insulin Numeric	B Num
1	6.0	148.0	72.0	35.0	0.0	3
2	1.0	85.0	66.0	29.0	0.0	2
3	8.0	183.0	64.0	0.0	0.0	2
4	1.0	89.0	66.0	23.0	94.0	2
5	0.0	137.0	40.0	35.0	168.0	4
6	5.0	116.0	74.0	0.0	0.0	2
7	3.0	78.0	50.0	32.0	88.0	3
8	10.0	115.0	0.0	0.0	0.0	3
9	2.0	197.0	70.0	45.0	543.0	3
10		125.0	96.0	0.0	0.0	
11		110.0	92.0	0.0	0.0	3
12		168.0	74.0	0.0	0.0	3
13		139.0	80.0	0.0	0.0	2
14	1.0	189.0	60.0	23.0	846.0	3
15	5.0	166.0	72.0	19.0	175.0	2
16	7.0	100.0	0.0	0.0	0.0	3
17	0.0	118.0	84.0	47.0	230.0	4
18	7.0	107.0	74.0	0.0	0.0	2
19	1.0	103.0	30.0	38.0	83.0	4
20	1.0	115.0	70.0	30.0	96.0	3
21	3.0	126.0	88.0	41.0	235.0	3
22	8.0	99.0	84.0	0.0	0.0	3
23	7.0	196.0	90.0	0.0	0.0	3

[Undo] [OK] [Cancel]

1.Replacing missing values

Viewer

Relation: DIABETIC-weka.filters.unsupervised.attribute.Repla...

No.	Pregnancies Numeric	Glucose Numeric	BloodPressure Numeric	SkinThickness Numeric	Insulin Numeric	B Nur
1	6.0	148.0	72.0	35.0	0.0	3
2	1.0	85.0	66.0	29.0	0.0	2
3	8.0	183.0	64.0	0.0	0.0	2
4	1.0	89.0	66.0	23.0	94.0	2
5	0.0	137.0	40.0	35.0	168.0	4
6	5.0	116.0	74.0	0.0	0.0	2
7	3.0	78.0	50.0	32.0	88.0	3
8	10.0	115.0	0.0	0.0	0.0	3
9	2.0	197.0	70.0	45.0	543.0	3
10	5.1724137...	125.0	96.0	0.0	0.0	
11	5.1724137...	110.0	92.0	0.0	0.0	3
12	5.1724137...	168.0	74.0	0.0	0.0	3
13	10.0	139.0	80.0	0.0	0.0	2
14	1.0	189.0	60.0	23.0	846.0	3
15	5.0	166.0	72.0	19.0	175.0	2
16	7.0	100.0	0.0	0.0	0.0	3
17	0.0	118.0	84.0	47.0	230.0	4
18	7.0	107.0	74.0	0.0	0.0	2
19	1.0	103.0	30.0	38.0	83.0	4
20	1.0	115.0	70.0	30.0	96.0	3
21	3.0	126.0	88.0	41.0	235.0	3
22	8.0	99.0	84.0	0.0	0.0	3
23	7.0	196.0	90.0	0.0	0.0	3

| Undo | OK | Cancel |

2.Discretization : Grouping of values

Weka Explorer

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Open fil... | Open U... | Open D... | Generat... | Undo | Edit... | Save...

Filter

Choose | Discretize -B 10 -M -1.0 -R first-last | Apply

Current relation
Relation: DIABETIC-weka.filters.unsupervised.at...
Instances: 32   Attributes: 9

Selected attribute
Name: Pregnancies   Type: Nominal
Missing: 0 (0%)   Distinct: 10   Unique: 4 (13%)

No.	Label	Count
1	'(-inf-1.3]'	8
2	'(1.3-2.6]'	1
3	'(2.6-3.9]'	3
4	'(3.9-5.2]'	7
5	'(5.2-6.5]'	1
6	'(6.5-7.8]'	4
7	'(7.8-9.1]'	3
8	'(9.1-10.4]'	3

Attributes

All | None | Invert | Pattern

No.		Name
1	☐	Pregnancies
2	☐	Glucose
3	☐	BloodPressure
4	☐	SkinThickness
5	☐	Insulin
6	☐	BMI
7	☐	DiabetesPedigreeFunction
8	☐	Age
9	☐	Outcome

Remove

Class: Outcome (Num) ▼ | Visualize All

Status
OK

Log   x 0