

2. Del dataset anterior realice en WEKA, tres algoritmos de preprocesamiento.

Weka Explorer

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

Open file... Open URL... Open DB... Generate... Undo Edit... Save...

Filter: Choose **None** Apply Stop

Current relation
 Relation: caesarian-weka.filters.unsupervised.attribute.Reorder-R1,2,3,4,5,6
 Instances: 80
 Attributes: 6
 Sum of weights: 80

Attributes
 All None Invert Pattern

No.	Name
1	<input checked="" type="checkbox"/> Age
2	<input type="checkbox"/> Delivery number
3	<input type="checkbox"/> Delivery time
4	<input type="checkbox"/> Blood of Pressure
5	<input type="checkbox"/> Heart Problem
6	<input type="checkbox"/> Caesarian

Remove

Selected attribute
 Name: Age
 Missing: 0 (0%)
 Distinct: 22
 Type: Nominal
 Unique: 5 (6%)

No.	Label	Count	Weight
1	22	4	4.0
2	26	10	10.0
3	28	6	6.0
4	27	7	7.0
5	32	8	8.0
6	36	3	3.0
7	33	5	5.0

Class: Caesarian (Nom) Visualize All

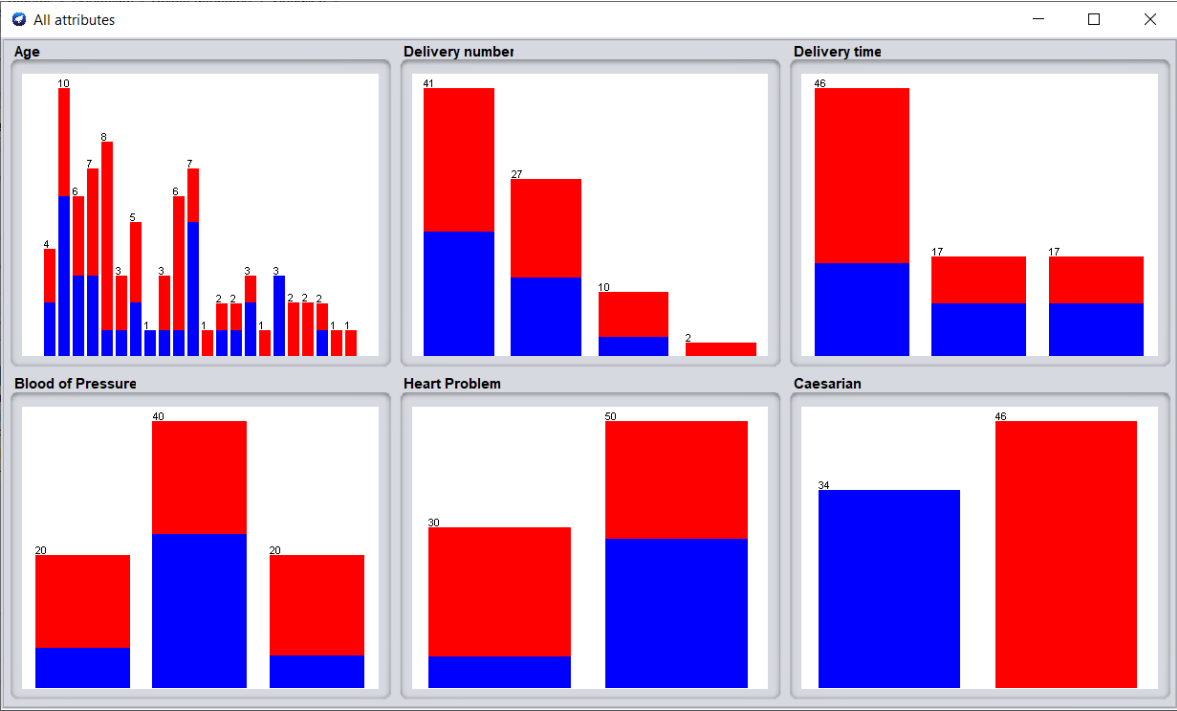
Status
 OK Log x 0

Viewer

Relation: caesarian-weka.filters.unsupervised.attribute.Reorder-R1,2,3,4,5,6

No.	1: Age	2: Delivery number	3: Delivery time	4: Blood of Pressure	5: Heart Problem	6: Caesarian
	Nominal	Nominal	Nominal	Nominal	Nominal	Nominal
1	22	1	0	2	0	0
2	26	2	0	1	0	1
3	26	2	1	1	0	0
4	28	1	0	2	0	0
5	22	2	0	1	0	1
6	26	1	1	0	0	0
7	27	2	0	1	0	0
8	32	3	0	1	0	1
9	28	2	0	1	0	0
10	27	1	1	1	0	1
11	36	1	0	1	0	0
12	33	1	1	0	0	1
13	23	1	1	1	0	0
14	20	1	0	1	1	0
15	29	1	2	0	1	1
16	25	1	2	0	0	0
17	25	1	0	1	0	0
18	20	1	2	2	0	1
19	37	3	0	1	1	1
20	24	1	2	0	1	1
21	26	1	1	1	0	0
22	33	2	0	0	1	1
23	25	1	1	2	0	0
24	27	1	0	0	1	1
25	20	1	0	2	1	1
26	18	1	0	1	0	0
27	18	1	1	2	1	1
28	30	1	0	1	0	0
29	32	1	0	2	1	1
30	26	2	1	1	1	0

Add instance Undo OK Cancel



1. Completar/Reemplazar datos que faltan

Viewer

Relation: caesarian

No.	1: Age Nominal	2: Delivery number Nominal	3: Delivery time Nominal	4: Blood of Pressure Nominal	5: Heart Problem Nominal	6: Caesarian Nominal
1	22	1	0	2	0	0
2	26	2	0	1	0	1
3	26	2	1	1	0	0
4	28	1	0	2	0	0
5	22	2	0		0	1
6	26		1	0	0	0
7	27	2	0	1	0	0
8	32	3	0	1	0	1
9	28	2	0	1		0
10	27		1	1	0	1
11	36	1	0	1	0	0
12	33	1	1	0	0	1
13	23	1	1	1	0	0
14	20	1	0		1	0
15	29	1	2	0	1	1
16	25		2	0	0	0
17	25	1	0	1	0	0
18	20	1	2	2	0	1
19	37		0	1	1	1
20	24	1	2	0	1	1
21	26	1	1	1		0
22	33	2		0	1	1
23	25		1	2	0	0
24	27		0	0	1	1
25	20	1	0	2	1	1
26	18	1	0		0	0
27	18	1	1	2	1	1
28	30	1	0	1	0	0
29	32	1	0	2	1	1
30	26	2	1	1	1	0

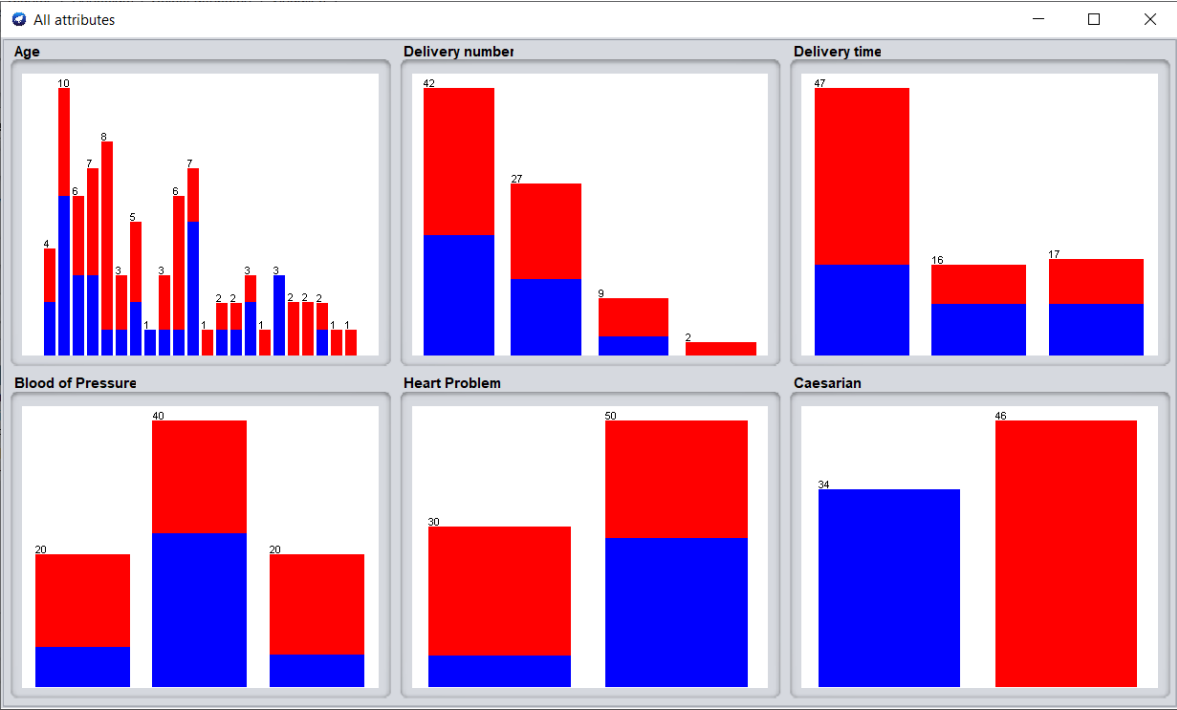
Add instance Undo OK Cancel

Viewer

Relation: caesarian-weka.filters.unsupervised.attribute.Reorder-R1,2,3,4,5,6-weka.filters.unsupervised.attribute.ReplaceMissingValues

No.	1: Age Nominal	2: Delivery number Nominal	3: Delivery time Nominal	4: Blood of Pressure Nominal	5: Heart Problem Nominal	6: Caesarian Nominal
1	22	1	0	2	0	0
2	26	2	0	1	0	1
3	26	2	1	1	0	0
4	28	1	0	2	0	0
5	22	2	0	1	0	1
6	26	1	1	0	0	0
7	27	2	0	1	0	0
8	32	3	0	1	0	1
9	28	2	0	1	0	0
10	27	1	1	1	0	1
11	36	1	0	1	0	0
12	33	1	1	0	0	1
13	23	1	1	1	0	0
14	20	1	0	1	1	0
15	29	1	2	0	1	1
16	25	1	2	0	0	0
17	25	1	0	1	0	0
18	20	1	2	2	0	1
19	37	3	0	1	1	1
20	24	1	2	0	1	1
21	26	1	1	1	0	0
22	33	2	0	0	1	1
23	25	1	1	2	0	0
24	27	1	0	0	1	1
25	20	1	0	2	1	1
26	18	1	0	1	0	0
27	18	1	1	2	1	1
28	30	1	0	1	0	0
29	32	1	0	2	1	1
30	26	2	1	1	1	0

Add instance Undo OK Cancel



2. Reemplazar por otro valor una columna nominal (class)

Viewer

Relation: caesarian-weka.filters.unsupervised.attribute.Discretize-B10-M-1.0-Rfirst-last-precision6-weka.filters.unsupervised.attribute.Discretize-F-B10-M-1.0-Rfirst-last-precision6-weka.filters

No.	1: Age Nominal	2: Delivery number Nominal	3: Delivery time Nominal	4: Blood of Pressure Nominal	5: Heart Problem Nominal	6: Caesarian Nominal
1	22	1	0	2	0	No
2	22	1	2	2	0	No
3	22	2	0	1	0	Si
4	22	1	0	1	0	Si
5	26	2	1	1	0	No
6	26	1	1	0	0	No
7	26	1	1	1	0	No
8	26	2	1	1	1	No
9	26	1	0	1	0	No
10	26	2	2	1	0	No
11	26	2	0	1	0	Si
12	26	2	2	1	0	Si
13	26	1	2	0	1	Si
14	26	1	0	2	0	Si
15	28	1	0	2	0	No
16	28	2	0	1	0	No
17	28	2	0	1	0	No
18	28	3	0	2	0	Si
19	28	3	0	1	1	Si
20	28	3	0	1	0	Si
21	27	2	0	1	0	No
22	27	2	2	0	0	No
23	27	2	1	1	0	No
24	27	1	1	1	0	Si
25	27	1	0	0	1	Si
26	27	2	0	1	1	Si
27	27	1	0	2	1	Si
28	32	3	0	1	1	No
29	32	3	0	1	0	Si
30	22	1	0	2	1	Si

Add instance Undo OK Cancel

3. Ordinal a Numérico, número de hijos

Viewer

Relation: caesarian-weka.filters.unsupervised.attribute.Standardize-weka.filters.unsupervised.attribute.NominalToString-C2-weka.filters.unsupervised.attribute.NumericTransform-R2-Cjava.lar

No.	1: Age Nominal	2: Delivery number Numeric	3: Delivery time Nominal	4: Blood of Pressure Nominal	5: Heart Problem Nominal	6: Caesarian Nominal
1	22	0.0 0	2	0	0	0
2	26	1.0 0	1	0	0	1
3	26	1.0 1	1	0	0	0
4	28	0.0 0	2	0	0	0
5	22	1.0 0	1	0	0	1
6	26	0.0 1	0	0	0	0
7	27	1.0 0	1	0	0	0
8	32	2.0 0	1	0	0	1
9	28	1.0 0	1	0	0	0
10	27	0.0 1	1	0	0	1
11	36	0.0 0	1	0	0	0
12	33	0.0 1	0	0	0	1
13	23	0.0 1	1	0	0	0
14	20	0.0 0	1	1	0	0
15	29	0.0 2	0	1	1	1
16	25	0.0 2	0	0	0	0
17	25	0.0 0	1	0	0	0
18	20	0.0 2	2	0	0	1
19	37	2.0 0	1	1	1	1
20	24	0.0 2	0	1	1	1
21	26	0.0 1	1	0	0	0
22	33	1.0 0	0	1	1	1
23	25	0.0 1	2	0	0	0
24	27	0.0 0	0	1	1	1
25	20	0.0 0	2	1	1	1
26	18	0.0 0	1	0	0	0
27	18	0.0 1	2	1	1	1
28	30	0.0 0	1	0	0	0
29	32	0.0 0	2	1	1	1
30	26	1.0 1	1	1	1	0

Add instance Undo OK Cancel

4. Normalización

Viewer

Relation: caesarian-weka.filters.unsupervised.attribute.Standardize-weka.filters.unsupervised.attribute.NominalToString-C2-weka.filters.unsupervised.attribute.NumericTransform-R2-Cjava.lan

No.	1: Age Nominal	2: Delivery number Numeric	3: Delivery time Nominal	4: Blood of Pressure Nominal	5: Heart Problem Nominal	6: Caesarian Nominal
1	22	0.0	0	2	0	0
2	26	0.3333333333333333...	0	1	0	1
3	26	0.3333333333333333...	1	1	0	0
4	28	0.0	0	2	0	0
5	22	0.3333333333333333...	0	1	0	1
6	26	0.0	1	0	0	0
7	27	0.3333333333333333...	0	1	0	0
8	32	0.6666666666666666...	0	1	0	1
9	28	0.3333333333333333...	0	1	0	0
10	27	0.0	1	1	0	1
11	36	0.0	0	1		
12	33	0.0	1	0		
13	23	0.0	1	1	0	0
14	20	0.0	0	1	1	0
15	29	0.0	2	0	1	1
16	25	0.0	2	0	0	0
17	25	0.0	0	1	0	0
18	20	0.0	2	2	0	1
19	37	0.6666666666666666...	0	1	1	1
20	24	0.0	2	0	1	1
21	26	0.0	1	1	0	0
22	33	0.3333333333333333...	0	0	1	1
23	25	0.0	1	2	0	0
24	27	0.0	0	0	1	1
25	20	0.0	0	2	1	1
26	18	0.0	0	1	0	0
27	18	0.0	1	2	1	1
28	30	0.0	0	1	0	0
29	32	0.0	0	2	1	1
30	26	0.3333333333333333...	1	1	1	0

Right click (or left+alt) for context menu

Add instance Undo OK Cancel