

5. En PYTHON grafique el arbol de decision del dataset seleccionado.

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
 Instances: 80
 Attributes: 6
 Sum of weights: 80

Attributes
 All None Invert Pattern

No.	Name
1	Age
2	Delivery number
3	Delivery time
4	Blood of Pressure
5	Heart Problem
6	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

Weka Explorer

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Classifier
 Choose **J48 -C 0.25 -M 2**

Test options
☐ Use training set
☐ Supplied test set Set...
☒ Cross-validation Folds **10**
☐ Percentage split % 66
 More options...

(Nom) Caesarian
 Start Stop

Result list (right-click for options)
 03.02.08 - trees.J48

Classifier output

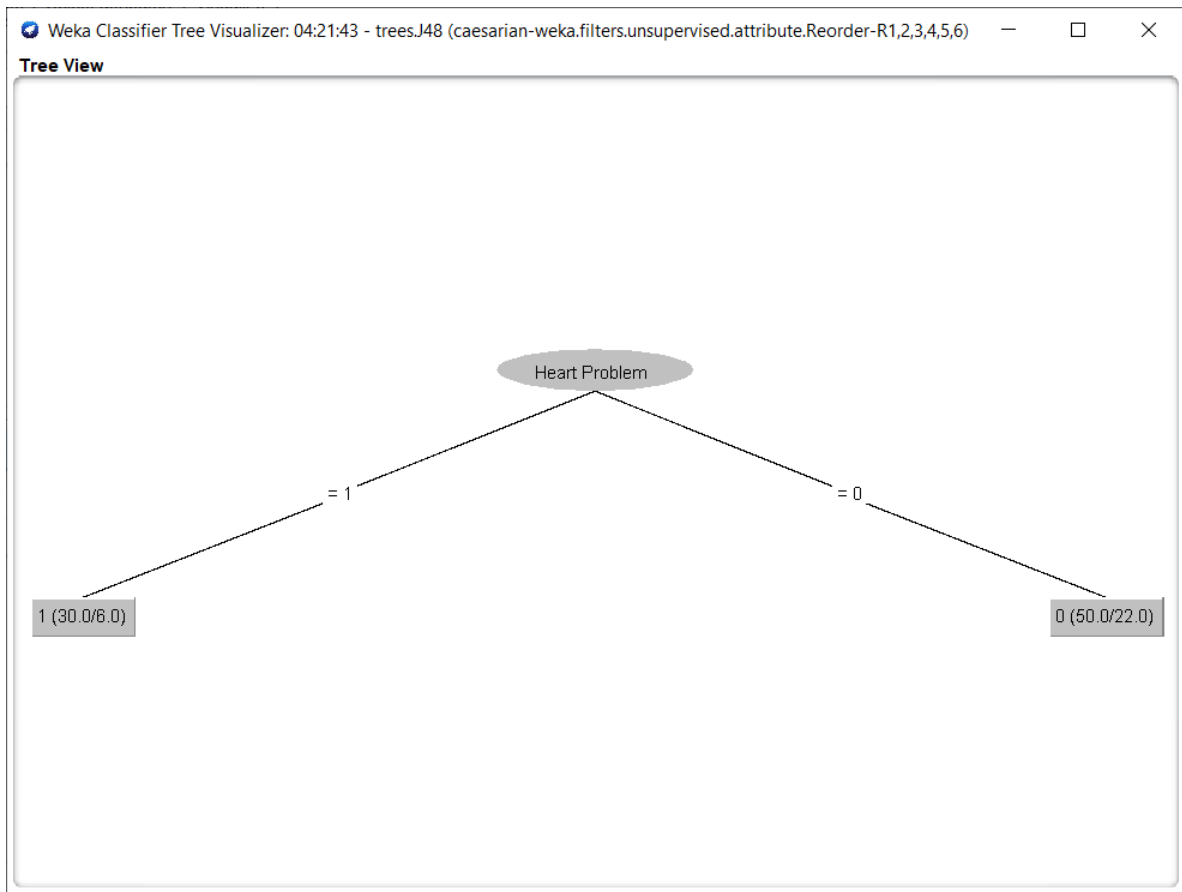
```

=== Stratified cross-validation ===
=== Summary ===
Correctly Classified Instances      46      57.5 %
Incorrectly Classified Instances    34      42.5 %
Kappa statistic                    0.1807
Mean absolute error                 0.4568
Root mean squared error             0.4921
Relative absolute error             93.2451 %
Root relative squared error         99.366 %
Total Number of Instances          80

=== Detailed Accuracy By Class ===
               TP Rate  FP Rate  Precision  Recall   F-Measure  MCC      ROC Area  PRC Area  Class
               0,735    0,543    0,500     0,735    0,595      0,196    0,528    0,425    0
               0,457    0,265    0,700     0,457    0,553      0,196    0,528    0,624    1
Weighted Avg.   0,575    0,383    0,615     0,575    0,571      0,196    0,528    0,539

=== Confusion Matrix ===
  a  b  <-- classified as
25  9  | a = 0
25 21 | b = 1
  
```

Status
OK Log x 0



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Classifier: Choose J48 -C 0.25 -M 2

Test options

- ☐ Use training set
- ☐ Supplied test set
- ☒ Cross-validation Folds 10
- ☐ Percentage split % 66

More options...

(Nom) Age

Start Stop

Result list (right-click for options)

- 04:19:39 - trees.DecisionStump
- 04:19:44 - trees.DecisionStump
- 04:20:05 - trees.J48
- 04:20:09 - trees.J48
- 04:20:18 - trees.J48
- 04:20:19 - trees.J48
- 04:20:20 - trees.J48
- 04:21:43 - trees.J48
- 04:28:50 - trees.J48

Classifier output

```
a b c d e f g h i j k l m n o p q r s t u v <-- classified as
0 1 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 | a = 22
0 3 0 3 1 1 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | b = 26
1 2 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | c = 28
0 1 1 0 2 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 0 | d = 27
0 0 3 1 0 0 0 0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 | e = 32
0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | f = 36
0 1 2 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | g = 33
0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | h = 23
1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | i = 20
0 1 0 3 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | j = 29
0 2 0 1 0 0 0 0 0 1 2 0 0 0 0 0 0 0 1 0 0 0 0 | k = 25
0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | l = 37
0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | m = 24
0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | n = 18
0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | o = 30
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 | p = 40
1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | q = 31
1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | r = 19
0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 | s = 21
0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | t = 35
0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | u = 17
0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | v = 38
```

Status

OK Log x 0

