

trees.J48

=== Run information ===

Scheme: weka.classifiers.trees.J48 -C 0.25 -M 2

Relation: fa24-RCS-029

Instances: 8

Attributes: 4

Short Hair

Mustache

Beard

output

Test mode: evaluate on training data

=== Classifier model (full training set) ===

J48 pruned tree

: - (8.0/2.0)

Number of Leaves : 1

Size of the tree : 1

Time taken to build model: 0.01 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== Summary ===

Correctly Classified Instances	6	75	%
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Incorrectly Classified Instances	2	25	%
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Kappa statistic	0
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Mean absolute error	0.375
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Root mean squared error	0.433
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Relative absolute error	93.75 %
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Root relative squared error	99.3399 %
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Total Number of Instances	8
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=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	1.000	1.000	0.750	1.000	0.857	?	0.500	0.750	-
	0.000	0.000	?	0.000	?	?	0.500	0.250	+
Weighted Avg.	0.750	0.750	?	0.750	?	?	0.500	0.625	

=== Confusion Matrix ===

a b <-- classified as

6 0 | a = -

2 0 | b = +

trees.RandomTree

=== Run information ===

Scheme: weka.classifiers.trees.RandomTree -K 0 -M 1.0 -V 0.001 -S 1

Relation: fa24-RCS-029

Instances: 8

Attributes: 4

Short Hair

Mustache

Beard

output

Test mode: evaluate on training data

=== Classifier model (full training set) ===

RandomTree

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Mustache = Yes : - (4/0)

Mustache = No

| Beard = Yes : - (1/0)

| Beard = No

| | Short Hair = Yes : - (2/1)

| | Short Hair = No : + (1/0)

Size of the tree : 7

Time taken to build model: 0 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== Summary ===

Correctly Classified Instances	7	87.5 %
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Incorrectly Classified Instances	1	12.5 %
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Kappa statistic	0.6
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Mean absolute error	0.125
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Root mean squared error 0.25
Relative absolute error 31.25 %
Root relative squared error 57.3539 %
Total Number of Instances 8

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	1.000	0.500	0.857	1.000	0.923	0.655	0.958	0.976	-
	0.500	0.000	1.000	0.500	0.667	0.655	0.958	0.833	+
Weighted Avg.	0.875	0.375	0.893	0.875	0.859	0.655	0.958	0.940	

=== Confusion Matrix ===

a b <-- classified as

6 0 | a = -

1 1 | b = +

trees.REPTree

=== Run information ===

Scheme: weka.classifiers.trees.REPTree -M 2 -V 0.001 -N 3 -S 1 -L -1 -I 0.0

Relation: fa24-RCS-029

Instances: 8

Attributes: 4

Short Hair

Mustache

Beard

output

Test mode: evaluate on training data

=== Classifier model (full training set) ===

REPTree

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: - (5/1) [3/1]

Size of the tree : 1

Time taken to build model: 0 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== Summary ===

Correctly Classified Instances	6	75 %
Incorrectly Classified Instances	2	25 %
Kappa statistic	0	
Mean absolute error	0.375	
Root mean squared error	0.433	
Relative absolute error	93.75 %	
Root relative squared error	99.3399 %	
Total Number of Instances	8	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	1.000	1.000	0.750	1.000	0.857	?	0.500	0.750	-
	0.000	0.000	?	0.000	?	?	0.500	0.250	+
Weighted Avg.	0.750	0.750	?	0.750	?	?	0.500	0.625	

=== Confusion Matrix ===

a b <-- classified as

6 0 | a = -

2 0 | b = +