

=== Run information ===

Scheme: weka.classifiers.misc.InputMappedClassifier -I -trim -W weka.classifiers.trees.J48 -- -C 0.25 -M 2

Relation: monks-2_train-weka.filters.unsupervised.attribute.Remove-R8

Instances: 169

Attributes: 7

class

a1

a2

a3

a4

a5

a6

Test mode: user supplied test set: size unknown (reading incrementally)

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

InputMappedClassifier:

J48 pruned tree

a4 = 1: 0 (54.0/15.0)

a4 = 2

| a5 = 2

| | a3 = 1

| | | a6 = 2: 1 (4.0)

| | | a6 = 1: 0 (3.0/1.0)

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| | a3 = 2
| | | a2 = 1: 1 (2.0)
| | | a2 = 2: 0 (3.0)
| | | a2 = 3: 0 (2.0)
| a5 = 4: 0 (11.0/3.0)
| a5 = 1
| | a3 = 1: 0 (7.0/1.0)
| | a3 = 2: 1 (5.0)
| a5 = 3: 0 (17.0/6.0)
a4 = 3
| a3 = 1
| | a5 = 2: 1 (7.0/1.0)
| | a5 = 4
| | | a2 = 1: 0 (2.0)
| | | a2 = 2: 1 (3.0/1.0)
| | | a2 = 3: 1 (2.0)
| | a5 = 1: 0 (7.0/1.0)
| | a5 = 3: 1 (9.0/4.0)
| a3 = 2
| | a6 = 2: 0 (19.0/4.0)
| | a6 = 1
| | | a1 = 1: 1 (4.0/1.0)
| | | a1 = 2: 0 (4.0/1.0)
| | | a1 = 3: 1 (4.0/1.0)

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Number of Leaves : 20

Size of the tree : 31

Attribute mappings:

Model attributes	Incoming attributes
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(nominal) class	--> 1 (nominal) class
(nominal) a1	--> 2 (nominal) a1
(nominal) a2	--> 3 (nominal) a2
(nominal) a3	--> 4 (nominal) a3
(nominal) a4	--> 5 (nominal) a4
(nominal) a5	--> 6 (nominal) a5
(nominal) a6	--> 7 (nominal) a6

Time taken to build model: 0.01 seconds

=== Evaluation on test set ===

Time taken to test model on supplied test set: 0.01 seconds

=== Summary ===

Correctly Classified Instances	69	69	%
Incorrectly Classified Instances	31	31	%
Kappa statistic	0.1631		
Mean absolute error	0.4072		
Root mean squared error	0.489		
Relative absolute error	93.5517	%	
Root relative squared error	109.4343	%	
Total Number of Instances	100		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.779	0.609	0.811	0.779	0.795	0.164	0.568	0.812	0
	0.391	0.221	0.346	0.391	0.367	0.164	0.568	0.296	1
Weighted Avg.	0.690	0.519	0.704	0.690	0.696	0.164	0.568	0.694	

=== Confusion Matrix ===

a b <-- classified as

60 17 | a = 0

14 9 | b = 1