





Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Classifier

Choose ZeroR

Test options

☐ Use training set

☐ Supplied test set Set...

☒ Cross-validation Folds 10

☐ Percentage split % 65

More options...

(Nom) play

Start Stop

Result list (right-click for options)

12:10:50 - rules.ZeroR

Classifier output

outlook
temp
humidity
wind
play

Test mode: 10-fold cross-validation

--- Classifier model (full training set) ---

ZeroR predicts class value: Yes

Time taken to build model: 0 seconds

--- Stratified cross-validation ---

--- Summary ---

Correctly Classified Instances	9	64.2857 %
Incorrectly Classified Instances	5	35.7143 %
Kappa statistic	0	
Mean absolute error	0.4762	
Root mean squared error	0.4934	
Relative absolute error	100 %	
Root relative squared error	100 %	
Total Number of Instances	14	

--- Detailed Accuracy By Class ---

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	FPC Area	Class
	0.000	0.000	?	0.000	?	?	0.178	0.318	No
	1.000	1.000	0.643	1.000	0.769	?	0.178	0.555	Yes
Weighted Avg.	0.643	0.643	?	0.643	?	?	0.178	0.470	

=== Confusion Matrix ===

a b <-- classified as

0 5 | a = No

0 9 | b = Yes

Classify
Prior: Classification Concept(majority Class)

Activate Windows
Go to Settings to activate Windows.

Log

Status
OK

Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Classifier

ChooseNaiveBayes

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Folds

10

%

66

More options...

(Nom) play

StartStop

Result list (right-click for options)

12:10:50 - rules.ZeroR

12:11:40 - bayes.NaiveBayes

Classifier output

High5.04.0

Normal2.07.0

[total]7.011.0

wind

Weak3.07.0

Strong4.04.0

[total]7.011.0

Time taken to build model: 0 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances857.1429 %

Incorrectly Classified Instances642.8571 %

Log-likelihood0.0667

Mean absolute error0.4435

Root mean squared error0.4934

Relative absolute error93.224 %

Root relative squared error100.0021 %

Total Number of Instances14

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.400	0.333	0.400	0.400	0.400	0.067	0.578	0.557	No
	0.667	0.600	0.667	0.667	0.667	0.067	0.578	0.697	Yes
Weighted Avg.	0.571	0.505	0.571	0.571	0.571	0.067	0.578	0.647	

=== Confusion Matrix ===

a b

<-- classified as

2 3 | a = No

3 6 | b = Yes

Classify

Posterior:- Classifiers that Compute P(class/attributes).
Decision tree/Logistic to get Posterior Probabilities for each Instance

Status

OK

Log

Activate Windows
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Weka Explorer

Preprocess Classify Cluster Associate **Select attributes** Visualize

Attribute Evaluator
Choose **InfoGainAttributeEval**

Search Method
Choose **Ranker -T -1.7976931348623157E303 -N -1**

Attribute Selection Mode
☒ Use full training set
☐ Cross-validation Folds 10 Seed 1

No class

Start Stop

Result list (right-click for options)

11:50:24 - Ranker + InfoGainAttributeEval
12:01:31 - Ranker + InfoGainAttributeEval

Attribute selection output

=== Run information ===

Evaluator: weka.attributeSelection.InfoGainAttributeEval
Search: weka.attributeSelection.Ranker -T -1.7976931348623157E303 -N -1
Relation: play_tennis-weka.filters.supervised.attribute.AddClassification-Weka.classifiers.rules.ZeroR-weka.filters.supervised.attribute.AddClassification-Weka.classifiers.rules.ZeroR
Instances: 14
Attributes: 6
day
outlook
temp
humidity
wind
play

Evaluation mode: evaluate on all training data

=== Attribute Selection on all input data ===

Search Method:
Attribute ranking.

Attribute Evaluator (supervised, Class (nominal): 6 play):
Information Gain Ranking Filter

Ranked attributes:

0.9403	1	day
0.2467	2	outlook
0.1518	4	humidity
0.0481	5	wind
0.0292	3	temp

Selected attributes: 1,2,4,5,3 : 5

Information Gain Calculation for the Dataset

Activate Windows
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Status
OK

Log

INFY +4.50%

Search

ENG IN 12:01 09-09-2025