

=== Run information ===

Scheme: weka.classifiers.trees.RandomForest -P 100 -attribute-importance -I 60
-num-slots 1 -K 0 -M 1.0 -V 0.001 -S 1 -depth 7

Relation: HAB_1_0-weka.filters.unsupervised.attribute.Remove-R3-4-
weka.filters.unsupervised.attribute.Remove-R2

Instances: 1323

Attributes: 11

- date
- PSP
- DSP
- DSP_like
- ASP
- Dinophysis caudata
- Dinophysis fortii
- Phalacroma rotundatum
- Dinophysis sacculus
- Dinophysis tripos
- lipophylic_toxins

Test mode: 10-fold cross-validation

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

RandomForest

Bagging with 60 iterations and base learner

weka.classifiers.trees.RandomTree -K 0 -M 1.0 -V 0.001 -S 1 -depth 7 -do-not-
check-capabilities

Attribute importance based on average impurity decrease (and number of nodes
using that attribute)

- 0.81 (280) PSP
- 0.79 (117) DSP_like
- 0.72 (211) DSP
- 0.66 (114) ASP
- 0.6 (59) Dinophysis caudata
- 0.53 (174) date
- 0.44 (50) Phalacroma rotundatum
- 0.4 (41) Dinophysis sacculus
- 0.35 (47) Dinophysis fortii
- 0.13 (14) Dinophysis tripos

Time taken to build model: 0.1 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	999	93.0168 %
Incorrectly Classified Instances	75	6.9832 %
Kappa statistic	0.6136	
Mean absolute error	0.1113	
Root mean squared error	0.2239	
Relative absolute error	53.577 %	
Root relative squared error	69.5715 %	
Total Number of Instances	1074	
Ignored Class Unknown Instances	249	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	
PRC Area								
	0.556	0.020	0.787	0.556	0.651	0.625	0.919	poz
	0.980	0.444	0.943	0.980	0.961	0.625	0.863	neg
Weighted Avg.	0.930	0.395	0.925	0.930	0.925	0.625	0.869	0.908

=== Confusion Matrix ===

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a  b  <-- classified as
70 56 | a = poz
19 929 | b = neg

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