

=== Run information ===

Scheme: weka.classifiers.trees.J48 -C 0.25 -M 4  
Relation: HAB\_1\_0-weka.filters.unsupervised.attribute.Remove-R3-4  
Instances: 1323  
Attributes: 12  
    date  
    sampling station  
    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) ===

J48 pruned tree

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Dinophysis fortii <= 40: neg (957.89/83.0)  
Dinophysis fortii > 40  
| Dinophysis sacculus <= 24  
| | PSP <= 170  
| | | Phalacroma rotundatum <= 65  
| | | | sampling station = Seca: poz (21.08/7.08)  
| | | | sampling station = Strunjan  
| | | | | Dinophysis sacculus <= 5  
| | | | | ASP <= 172000  
| | | | | DSP\_like <= 5  
| | | | | | Phalacroma rotundatum <= 24: poz (11.36/3.0)  
| | | | | | Phalacroma rotundatum > 24: neg (4.0/1.0)  
| | | | | DSP\_like > 5: neg (7.26/1.26)  
| | | | | ASP > 172000: poz (5.38)  
| | | | | Dinophysis sacculus > 5: neg (5.0/1.0)  
| | | | | sampling station = Debeli\_rtic  
| | | | | Phalacroma rotundatum <= 15  
| | | | | PSP <= 5: neg (6.0/1.0)  
| | | | | PSP > 5: poz (14.0/5.0)  
| | | | | Phalacroma rotundatum > 15: neg (8.0/1.0)  
| | | Phalacroma rotundatum > 65: neg (11.01/1.0)  
| | PSP > 170: neg (10.01)  
| Dinophysis sacculus > 24: neg (13.01)

Number of Leaves : 13

Size of the tree : 24

Time taken to build model: 0.01 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	939	87.4302 %
Incorrectly Classified Instances	135	12.5698 %
Kappa statistic	0.1969	
Mean absolute error	0.1882	
Root mean squared error	0.322	
Relative absolute error	90.6031 %	
Root relative squared error	100.0539 %	
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								Class
	0.183	0.034	0.418	0.183	0.254	0.217	0.561	0.171 poz
	0.966	0.817	0.899	0.966	0.931	0.217	0.528	0.732 neg
Weighted Avg.	0.874	0.726	0.843	0.874	0.852	0.217	0.531	0.666

=== Confusion Matrix ===

```
a  b  <-- classified as
23 103 | a = poz
32 916 | b = neg
```