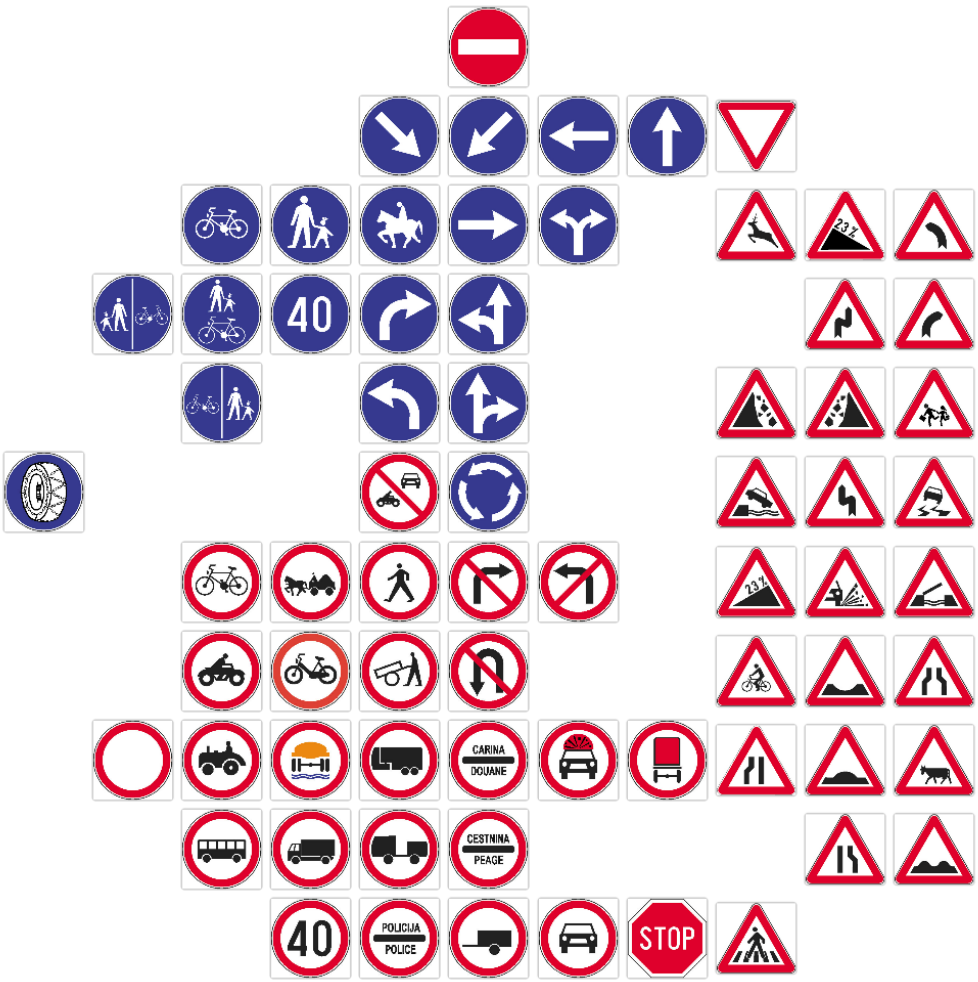
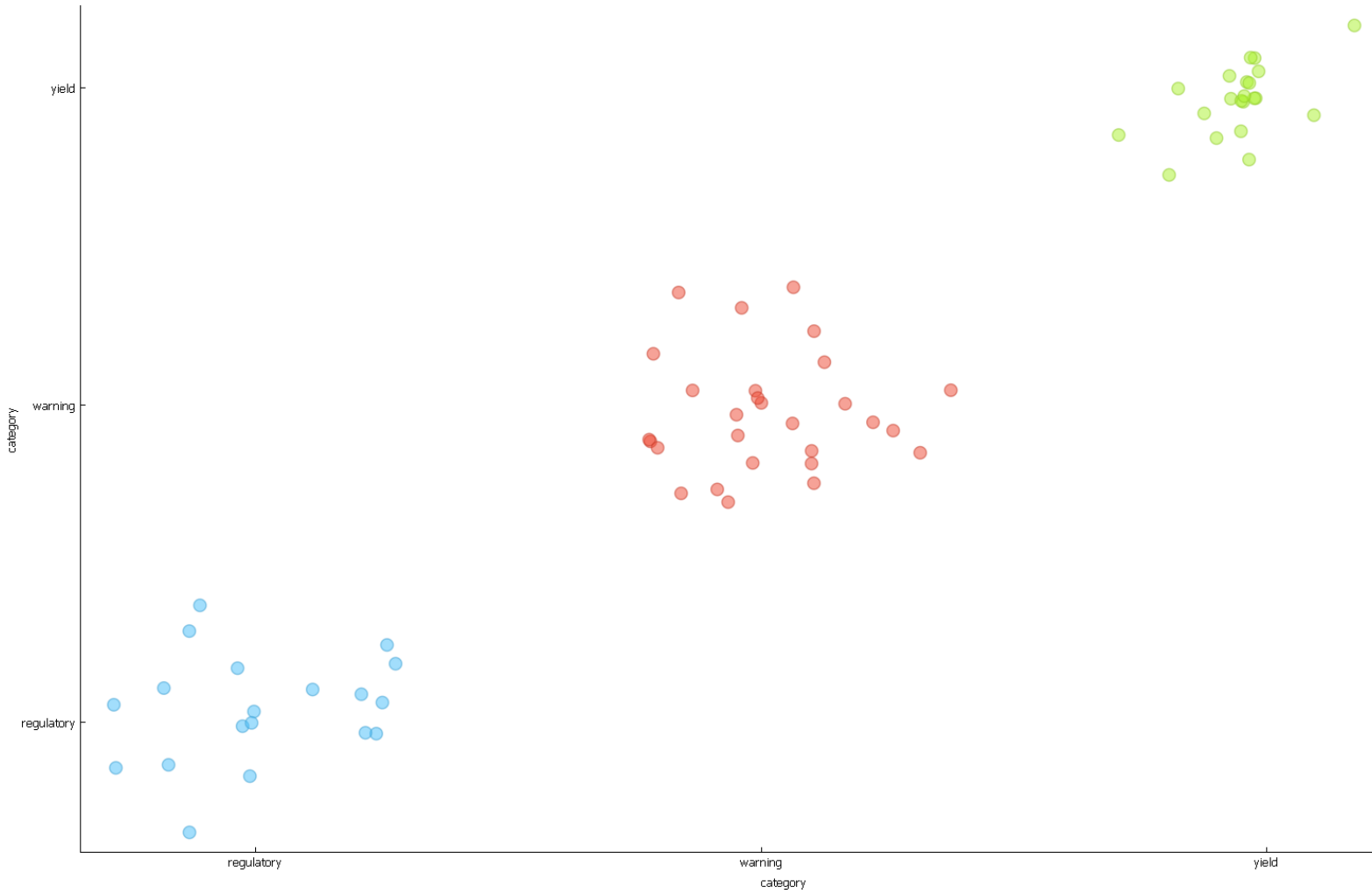
Number of images: 70

Grid



Scatter Plot

Sat Jun 04 22, 07:48:53



Color: category, **Jittering**: 10

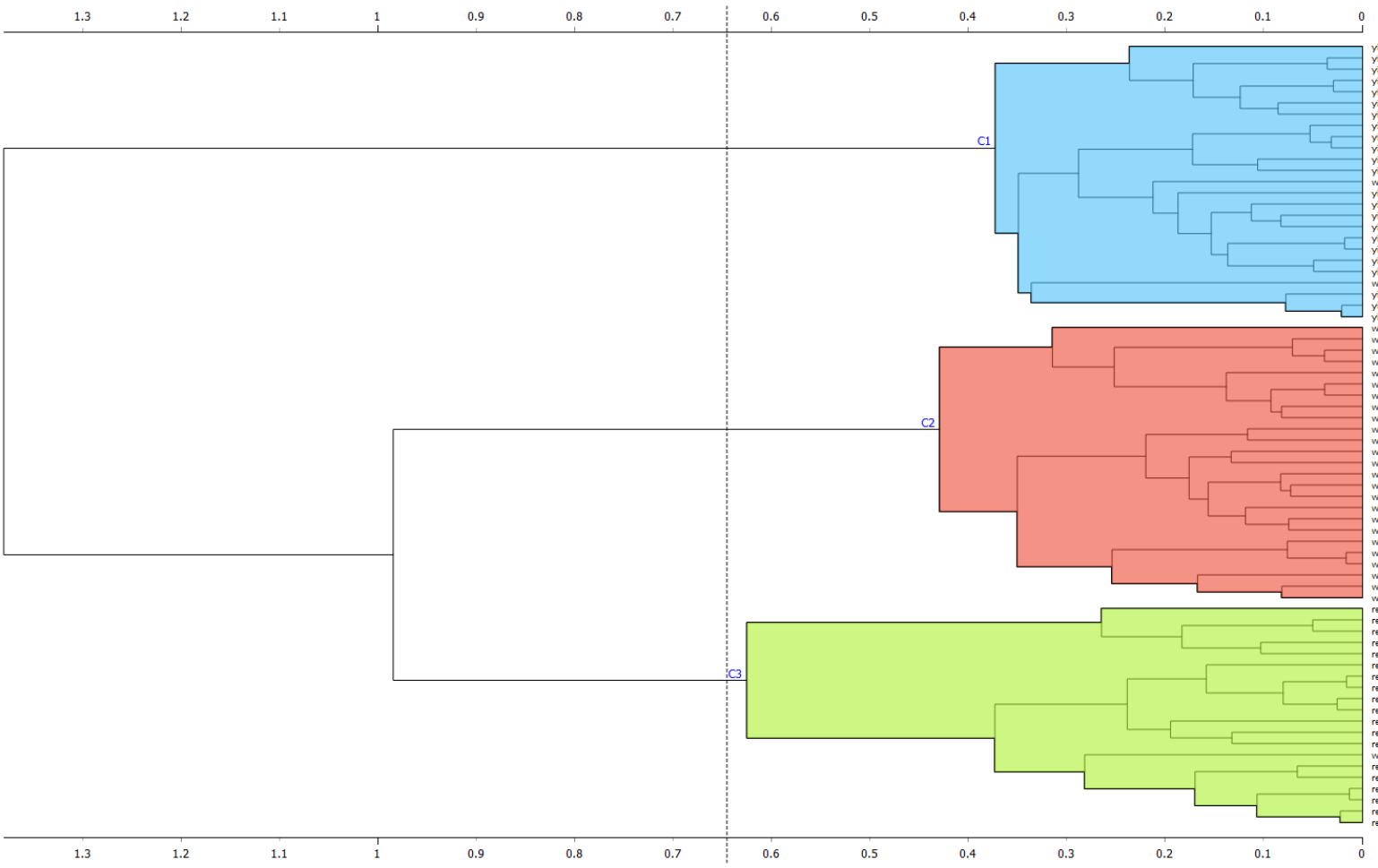
Distances

Sat Jun 04 22, 07:48:59

Distances Between: Rows
Metric: Cosine

Hierarchical Clustering — Sat Jun 04 22, 07:49:05

Linkage: ward
Annotation: image
Selection: at 46.8 of height



Logistic Regression — Sat Jun 04 22, 07:49:21

Name: Logistic Regression

Model parameters

Regularization: Ridge (L2), C=1, class weights=False

AdaBoost — Sat Jun 04 22, 07:49:25

Name: AdaBoost

Model parameters

Base estimator: tree
Number of estimators: 50
Algorithm (classification): Samme.r
Loss (regression): Linear

Naive Bayes — Sat Jun 04 22, 07:49:29

Name: Naive Bayes

Gradient Boosting

Sat Jun 04 22, 07:49:33

Name: Gradient Boosting

Model parameters

Method: Gradient Boosting (scikit-learn)
Number of trees: 100
Learning rate: 0.1
Replicable training: Yes
Maximum tree depth: 3
Fraction of training instances: 1
Stop splitting nodes with maximum instances: 2

Test and Score

Sat Jun 04 22, 07:49:41

Settings

Sampling type: Stratified 3-fold Cross validation
Target class: None, show average over classes

Scores

Model	AUC	CA	F1	Precision	Recall
Naive Bayes	0.9925604463732175	0.9571428571428572	0.9567083074158547	0.9601428571428571	0.9571428571428572
Logistic Regression	0.9987600743955363	0.9571428571428572	0.9569052224371372	0.9572089947089948	0.9571428571428572
Gradient Boosting	0.9990700557966521	0.9857142857142858	0.9857675657675656	0.9864285714285714	0.9857142857142858
AdaBoost	0.9437383756974582	0.9285714285714286	0.9288602712454898	0.93123973727422	0.9285714285714286

Confusion Matrix

Sat Jun 04 22, 07:49:47

Confusion matrix for Logistic Regression (showing proportion of predicted)

		Predicted			
		regulatory	**warning**	**yield**	∑
Actual	**regulatory**	94.7 %	3.7 %	0.0 %	**19**
	warning	5.3 %	96.3 %	4.2 %	**28**
	yield	0.0 %	0.0 %	95.8 %	**23**
	∑	**19**	**27**	**24**	**70**

Number of images: 3

Grid