Classification_learn operator

This operator is used to create a classifier. Therefore, the result is a stream of classifiers (this is an own datatype!)

Parameter

- CLASS: The attribute that should be used as the class (the
- NOMINALS: For nominal classifiers, this list provides the possible values, because some algorithms have to know them in advance
- · LEARNER: The algorithm that is used to construct the classifier
 - Currently implemented: Weka (which in turn has further algorithms, see above)
- ALGORITHM: A set of options to set up the algorithm

Example

This example uses the weka-clusterer. The weka-clusterer should use the "simplekmeans" algorithm. the arguments to set up the weka-simplekmeans is "- N 3".

Operator

For weka, there are currently the following algorithms that can be used as the "model". Further details and possible arguments can be found in the Weka Docs

Classification (nominal values):

- J48 (an adapted version of C4.5, a decision tree induction)
- NaiveBayes
- DecisionTable
- SMO (Sequential Minimal Optimization)

Regression (continuous values):

- LINEAR-REGRESSION
- SIMPLE_LINEAR-REGRESSION
- LOGISTIC
- SIMPLE-LOGISTIC
- GAUSSIAN-PROCESSES
- SMO-Regression (a regression version of SMO)
- MULTILAYER-PERCEPTRON