

Classification Algorithms.

Family	Related classifiers
Discriminant analysis	<ol style="list-style-type: none">1. lda_R2. lda2_t3. rrllda_R4. sda_t5. sllda_t6. stepLDA_t7. sddaLDA_R8. qda_t9. PenalizedLDA_t10. sparseLDA_R11. QdaCov_t12. sddaQDA_R13. stepQDA_t14. fda_R15. fda_t16. mda_R17. mda_t18. pda_t19. rda_R20. hdda_R
Bayesian methods	<ol style="list-style-type: none">1. naiveBayes_R2. vbmpRadial_t3. NaiveBayes_w4. NaiveBayesUpdateable_w5. BayesNet_w6. NaiveBayesSimple_w7.
Neural networks	<ol style="list-style-type: none">1. rbf_m2. rbf_t3. RBFNetwork_w4. rbfDDA_t5. mlp_m6. mlp_C7. mlp_t8. avNNet_t9. mlpWeightDecay_t10. nnet_t11. pcaNNet_t12. MultilayerPerceptron_w13. pnn_m14. elm_m15. elm_kernel_m16. cascor_C17. lvq_R

	18. lvq_t 19. bdk_R 20. dkp_C 21. dpp_C
Support vector machines	1. svm_C 2. svmlight_C 3. LibSVM_w 4. LibLINEAR_w 5. svmRadial_t 6. svmRadialCost_t 7. svmLinear_t 8. svmPoly_t 9. lssvmRadial_t 10. SMO_w
Decision trees	1. rpart_R 2. rpart_t 3. rpart2_t 4. obliqueTree_R 5. C5.0Tree_t 6. ctree_t 7. ctree2_t 8. J48_w 9. J48_t 10. RandomSubSpace_w 11. NBTree_w 12. RandomTree_w 13. REPTree_w 14. DecisionStump_w
Rule-based methods	1. PART_w 2. PART_t 3. C5.0Rules_t 4. JRip_t 5. JRip_w 6. OneR_t 7. OneR_w 8. DTNB_w 9. Ridor_w 10. ZeroR_w 11. DecisionTable_w 12. ConjunctiveRule_w
Boosting	1. Adaboost_R 2. logitboost_R 3. LogitBoost_w 4. RacedIncrementalLogitBoost_w 5. AdaBoostM1_DecisionStump_w 6. AdaBoostM1_J48_w 7. C5.0_t 8. MultiBoostAB_DecisionStump_w

	<ul style="list-style-type: none"> 9. MultiBoostAB_DecisionTable_w 10. MultiBoostAB_IBk_w 11. MultiBoostAB_IBk_w 12. MultiBoostAB_J48_w 13. MultiBoostAB_LibSVM_w 14. MultiBoostAB_Logistic_w 15. MultiBoostAB_MultilayerPerceptron_w 16. MultiBoostAB_NaiveBayes_w 17. MultiBoostAB_OneR_w 18. MultiBoostAB_PART_w 19. MultiBoostAB_RandomForest_w 20. MultiBoostAB_RandomTree_w 21. MultiBoostAB_REPTree_w
Bagging	<ul style="list-style-type: none"> 1. bagging_R 2. treebag_t 3. ldaBag_R 4. plsBag_R 5. nbBag_R 6. ctreeBag_R 7. svmBag_R 8. nnetBag_R 9. MetaCost_w 10. Bagging_DecisionStump_w 11. Bagging_DecisionTable_w 12. Bagging_HyperPipes_w 13. Bagging_IBk_w 14. Bagging_J48_w 15. Bagging_LibSVM_w 16. Bagging_Logistic_w 17. Bagging_LWL_w 18. Bagging_MultilayerPerceptron_w 19. Bagging_NaiveBayes_w 20. Bagging_OneR_w 21. Bagging_PART_w 22. Bagging_RandomForest_w 23. Bagging_RandomTree_w 24. Bagging_REPTree_w
Stacking	<ul style="list-style-type: none"> 1. Stacking_w 2. StackingC_w
Random Forests	<ul style="list-style-type: none"> 1. rforest_R 2. rf_t 3. RRF_t 4. cforest_t 5. parRF_t 6. RRFglobal_t 7. RandomForest_w 8. RotationForest_w

Other ensembles	<ol style="list-style-type: none"> 1. RandomCommittee_w 2. OrdinalClassClassifier_w 3. MultiScheme_w 4. MultiClassClassifier_w 5. CostSensitiveClassifier_w 6. Grading_w 7. END_w 8. Decorate_w 9. Vote_w 10. Dagging_w 11. LWL_w
Generalized Linear Models	<ol style="list-style-type: none"> 1. glm_R 2. glmnet_R 3. mlm_R 4. bayesglm_t 5. glmStepAIC_t
Nearest neighbor methods	<ol style="list-style-type: none"> 1. knn_R 2. knn_t 3. NNge_w 4. IBk_w 5. IB1_w
Partial least squares and principal component regression	<ol style="list-style-type: none"> 1. pls_t 2. gpls_R 3. spls_R 4. simpls_R 5. kernelpls_R 6. widekernelpls_R
Logistic and multinomial regression	<ol style="list-style-type: none"> 1. SimpleLogistic_w 2. Logistic_w 3. multinom_t
Multivariate adaptive regression splines	<ol style="list-style-type: none"> 1. mars_R 2. gcvEarth_t

Regression Algorithms

Family	Models
Gaussian Process	1. Gaussian Processes
Nearest neighbours	1. Kstar 2. REPTree 3. Ibk
Bagging --> Meta-learning	1. CVParameterSelection 2. Filtered Classifier 3. Multi schema 4. Input mapped classifiers 5. Stacking
SVM	1. SMOreg
Neural Network	1. Multilayer Perceptron 2. VotedPerceptron
Linear Regression	1. SimpleLogistic 2. LinearRegression 3. Logistic 4. Additive regression 5. locally weighted learning 6. RegressionByDiscretization
Gradient Boosting	1. SGD
Decision tree	1. J48 2. Decision Table 3. M5P 4. LMT 5. PART 6. Jrip 7. OneR 8. M5Rules 9. Decision stump 10. RepTree 11. RandomTree
random forest	1. RandomForest 2. AttributeSelectedClassifier 3. RandomCommittee 4. RandomSubSpace 5. Bagging
Bayesian	1. BayesNet 2. NaiveBayes

Other Methods

1. pam t
 2. VFI w
 3. HyperPipes w
 4. FilteredClassifier w
 5. CVParameterSelection w
 6. ClassificationViaClustering w
 7. AttributeSelectedClassifier_w
 8. ClassificationViaRegression_w
 9. KStar_w
 10. gaussprRadial_t
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