JavaScript is disabled on your browser.

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* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html)
* [Next Class](http://docs.google.com/org/opencv/ml/DTrees.html)
* [Frames](http://docs.google.com/index.html?org/opencv/ml/Boost.html)
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org.opencv.ml

## Class Boost

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.ml.StatModel](http://docs.google.com/org/opencv/ml/StatModel.html)
      * [org.opencv.ml.DTrees](http://docs.google.com/org/opencv/ml/DTrees.html)
        + org.opencv.ml.Boost
* public class Boost  
  extends [DTrees](http://docs.google.com/org/opencv/ml/DTrees.html)  
  Boosted tree classifier derived from DTrees SEE: REF: ml\_intro\_boost

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| static int | [**DISCRETE**](http://docs.google.com/org/opencv/ml/Boost.html#DISCRETE) |
| static int | [**GENTLE**](http://docs.google.com/org/opencv/ml/Boost.html#GENTLE) |
| static int | [**LOGIT**](http://docs.google.com/org/opencv/ml/Boost.html#LOGIT) |
| static int | [**REAL**](http://docs.google.com/org/opencv/ml/Boost.html#REAL) |

### Fields inherited from class org.opencv.ml.[**DTrees**](http://docs.google.com/org/opencv/ml/DTrees.html)[PREDICT\_AUTO](http://docs.google.com/org/opencv/ml/DTrees.html#PREDICT_AUTO), [PREDICT\_MASK](http://docs.google.com/org/opencv/ml/DTrees.html#PREDICT_MASK), [PREDICT\_MAX\_VOTE](http://docs.google.com/org/opencv/ml/DTrees.html#PREDICT_MAX_VOTE), [PREDICT\_SUM](http://docs.google.com/org/opencv/ml/DTrees.html#PREDICT_SUM)

### Fields inherited from class org.opencv.ml.[**StatModel**](http://docs.google.com/org/opencv/ml/StatModel.html)[COMPRESSED\_INPUT](http://docs.google.com/org/opencv/ml/StatModel.html#COMPRESSED_INPUT), [PREPROCESSED\_INPUT](http://docs.google.com/org/opencv/ml/StatModel.html#PREPROCESSED_INPUT), [RAW\_OUTPUT](http://docs.google.com/org/opencv/ml/StatModel.html#RAW_OUTPUT), [UPDATE\_MODEL](http://docs.google.com/org/opencv/ml/StatModel.html#UPDATE_MODEL)

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/ml/Boost.html#__fromPtr__(long))(long addr) |
| static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) | [**create**](http://docs.google.com/org/opencv/ml/Boost.html#create())() Creates the empty model. |
| int | [**getBoostType**](http://docs.google.com/org/opencv/ml/Boost.html#getBoostType())() SEE: setBoostType |
| int | [**getWeakCount**](http://docs.google.com/org/opencv/ml/Boost.html#getWeakCount())() SEE: setWeakCount |
| double | [**getWeightTrimRate**](http://docs.google.com/org/opencv/ml/Boost.html#getWeightTrimRate())() SEE: setWeightTrimRate |
| static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) | [**load**](http://docs.google.com/org/opencv/ml/Boost.html#load(java.lang.String))(java.lang.String filepath) Loads and creates a serialized Boost from a file Use Boost::save to serialize and store an RTree to disk. |
| static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) | [**load**](http://docs.google.com/org/opencv/ml/Boost.html#load(java.lang.String,%20java.lang.String))(java.lang.String filepath, java.lang.String nodeName) Loads and creates a serialized Boost from a file Use Boost::save to serialize and store an RTree to disk. |
| void | [**setBoostType**](http://docs.google.com/org/opencv/ml/Boost.html#setBoostType(int))(int val) getBoostType SEE: getBoostType |
| void | [**setWeakCount**](http://docs.google.com/org/opencv/ml/Boost.html#setWeakCount(int))(int val) getWeakCount SEE: getWeakCount |
| void | [**setWeightTrimRate**](http://docs.google.com/org/opencv/ml/Boost.html#setWeightTrimRate(double))(double val) getWeightTrimRate SEE: getWeightTrimRate |

### Methods inherited from class org.opencv.ml.[**DTrees**](http://docs.google.com/org/opencv/ml/DTrees.html)[getCVFolds](http://docs.google.com/org/opencv/ml/DTrees.html#getCVFolds()), [getMaxCategories](http://docs.google.com/org/opencv/ml/DTrees.html#getMaxCategories()), [getMaxDepth](http://docs.google.com/org/opencv/ml/DTrees.html#getMaxDepth()), [getMinSampleCount](http://docs.google.com/org/opencv/ml/DTrees.html#getMinSampleCount()), [getPriors](http://docs.google.com/org/opencv/ml/DTrees.html#getPriors()), [getRegressionAccuracy](http://docs.google.com/org/opencv/ml/DTrees.html#getRegressionAccuracy()), [getTruncatePrunedTree](http://docs.google.com/org/opencv/ml/DTrees.html#getTruncatePrunedTree()), [getUse1SERule](http://docs.google.com/org/opencv/ml/DTrees.html#getUse1SERule()), [getUseSurrogates](http://docs.google.com/org/opencv/ml/DTrees.html#getUseSurrogates()), [setCVFolds](http://docs.google.com/org/opencv/ml/DTrees.html#setCVFolds(int)), [setMaxCategories](http://docs.google.com/org/opencv/ml/DTrees.html#setMaxCategories(int)), [setMaxDepth](http://docs.google.com/org/opencv/ml/DTrees.html#setMaxDepth(int)), [setMinSampleCount](http://docs.google.com/org/opencv/ml/DTrees.html#setMinSampleCount(int)), [setPriors](http://docs.google.com/org/opencv/ml/DTrees.html#setPriors(org.opencv.core.Mat)), [setRegressionAccuracy](http://docs.google.com/org/opencv/ml/DTrees.html#setRegressionAccuracy(float)), [setTruncatePrunedTree](http://docs.google.com/org/opencv/ml/DTrees.html#setTruncatePrunedTree(boolean)), [setUse1SERule](http://docs.google.com/org/opencv/ml/DTrees.html#setUse1SERule(boolean)), [setUseSurrogates](http://docs.google.com/org/opencv/ml/DTrees.html#setUseSurrogates(boolean))

### Methods inherited from class org.opencv.ml.[**StatModel**](http://docs.google.com/org/opencv/ml/StatModel.html)[calcError](http://docs.google.com/org/opencv/ml/StatModel.html#calcError(org.opencv.ml.TrainData,%20boolean,%20org.opencv.core.Mat)), [empty](http://docs.google.com/org/opencv/ml/StatModel.html#empty()), [getVarCount](http://docs.google.com/org/opencv/ml/StatModel.html#getVarCount()), [isClassifier](http://docs.google.com/org/opencv/ml/StatModel.html#isClassifier()), [isTrained](http://docs.google.com/org/opencv/ml/StatModel.html#isTrained()), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat)), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat,%20org.opencv.core.Mat)), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat,%20org.opencv.core.Mat,%20int)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.core.Mat,%20int,%20org.opencv.core.Mat)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.ml.TrainData)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.ml.TrainData,%20int))

### Methods inherited from class org.opencv.core.[**Algorithm**](http://docs.google.com/org/opencv/core/Algorithm.html)[clear](http://docs.google.com/org/opencv/core/Algorithm.html#clear()), [getDefaultName](http://docs.google.com/org/opencv/core/Algorithm.html#getDefaultName()), [getNativeObjAddr](http://docs.google.com/org/opencv/core/Algorithm.html#getNativeObjAddr()), [save](http://docs.google.com/org/opencv/core/Algorithm.html#save(java.lang.String))

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Field Detail

#### DISCRETE public static final int DISCRETESee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.ml.Boost.DISCRETE)

#### GENTLE public static final int GENTLESee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.ml.Boost.GENTLE)

#### LOGIT public static final int LOGITSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.ml.Boost.LOGIT)

#### REAL public static final int REALSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.ml.Boost.REAL)

### Method Detail

#### \_\_fromPtr\_\_ public static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) \_\_fromPtr\_\_(long addr)

#### create public static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) create() Creates the empty model. Use StatModel::train to train the model, Algorithm::load<Boost>(filename) to load the pre-trained model.Returns:automatically generated

#### getBoostType public int getBoostType() SEE: setBoostTypeReturns:automatically generated

#### getWeakCount public int getWeakCount() SEE: setWeakCountReturns:automatically generated

#### getWeightTrimRate public double getWeightTrimRate() SEE: setWeightTrimRateReturns:automatically generated

#### load public static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) load(java.lang.String filepath) Loads and creates a serialized Boost from a file Use Boost::save to serialize and store an RTree to disk. Load the Boost from this file again, by calling this function with the path to the file. Optionally specify the node for the file containing the classifierParameters:filepath - path to serialized Boost Returns:automatically generated

#### load public static [Boost](http://docs.google.com/org/opencv/ml/Boost.html) load(java.lang.String filepath, java.lang.String nodeName) Loads and creates a serialized Boost from a file Use Boost::save to serialize and store an RTree to disk. Load the Boost from this file again, by calling this function with the path to the file. Optionally specify the node for the file containing the classifierParameters:filepath - path to serialized BoostnodeName - name of node containing the classifier Returns:automatically generated

#### setBoostType public void setBoostType(int val) getBoostType SEE: getBoostTypeParameters:val - automatically generated

#### setWeakCount public void setWeakCount(int val) getWeakCount SEE: getWeakCountParameters:val - automatically generated

#### setWeightTrimRate public void setWeightTrimRate(double val) getWeightTrimRate SEE: getWeightTrimRateParameters:val - automatically generated

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