org.apache.spark.mllib.classification

LogisticRegressionModel

class LogisticRegressionModel extends GeneralizedLinearModel with ClassificationModel with Serializable

Classification model trained using Logistic Regression.

Linear Supertypes
ClassificationModel, GeneralizedLinearModel, Serializable, Serializable, AnyRef, Any

Ordering

1. Alphabetic
2. By inheritance

Inherited

1. Hide All
2. Show all

1. LogisticRegressionModel
2. ClassificationModel
3. GeneralizedLinearModel
4. Serializable
5. Serializable
6. AnyRef
7. Any

Visibility

1. Public
2. All

Instance Constructors

1. **new LogisticRegressionModel(weights: Array[Double], intercept: Double)**

   weights

   Weights computed for every feature.

   intercept

   Intercept computed for this model.

Value Members

1. **val intercept: Double**

   Intercept computed for this model.

   Intercept computed for this model.

   Definition Classes
   LogisticRegressionModel → GeneralizedLinearModel

2. **def predict(testData: Array[Double]): Double**

   Predict values for a single data point using the model trained.

   Predict values for a single data point using the model trained.

   testData

   array representing a single data point

   returns

   Double prediction from the trained model

   Definition Classes
   GeneralizedLinearModel

3. **def predict(testData: RDD[Array[Double]]): RDD[Double]**

   Predict values for the given data set using the model trained.

   Predict values for the given data set using the model trained.

   testData

   RDD representing data points to be predicted

   returns

   RDD[Double] where each entry contains the corresponding prediction

   Definition Classes
   GeneralizedLinearModel

4. **def predictPoint(dataMatrix: DoubleMatrix, weightMatrix: DoubleMatrix, intercept: Double): Double**

   Predict the result given a data point and the weights learned.

   Predict the result given a data point and the weights learned.

   dataMatrix

Row vector containing the features for this data point

weightMatrix

Column vector containing the weights of the model

intercept

Intercept of the model.

Definition Classes
LogisticRegressionModel → GeneralizedLinearModel

5. **val weights: Array[Double]**

Weights computed for every feature.

Weights computed for every feature.

Definition Classes
LogisticRegressionModel → GeneralizedLinearModel