

TECNOLÓGICO NACIONAL DE MÉXICO INSTITUTO TECNOLÓGICO DE TIJUANA SUBDIRECCIÓN ACADÉMICA

DEPARTAMENTO DE SISTEMAS Y COMPUTACIÓN

SEMESTRE FEBRERO-JUNIO 2022

CARRERA

Ingeniería en informática e Ingeniería en sistemas computacionales.

MATERIA
Datos masivos

TÍTULO Práctica#6

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// Linear Support Vector Machine
//Open the spark in the terminal.
// Import the "LinearSVC" library.



// Load training data

scala> val training = spark.read.format("libsvm").load("C:/Spark/spark-2.4.8-bin-hadoop2.7/data/mllib/sample_libsvm_data.txt")
22/05/19 13:47:15 WARN LibsVMFileFormat: 'numFeatures' option not specified, determining the number of features by going though the input. If you know the number in advance, please s
pecify it via 'numFeatures' option to avoid the extra scan.
training: org.apache.spark.sql.DataFrame = [label: double, features: vector]

//Set the maximum number of iterations and the regularization parameter // Fit the model

```
scala> val lsvc = new LinearSVC().setMaxIter(10).setRegParam(0.1)
lsvc: org.apache.spark.ml.classification.LinearSVC = linearsvc_431d023fae0f

scala> val lsvcModel = lsvc.fit(training)
22/05/19 13:48:02 WARN BLAS: Failed to load implementation from: com.github.fommil.netlib.NativeSystemBLAS
22/05/19 13:48:02 WARN BLAS: Failed to load implementation from: com.github.fommil.netlib.NativeRefBLAS
lsvcModel: org.apache.spark.ml.classification.LinearSVCModel = linearsvc_431d023fae0f
```





// Print the coefficients and intercept for linear svc

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//Results