Resultant execution SPARK TP4:

./spark-submit --driver-memory 3G --executor-memory 4G --class com.sparkProject.**JobML** --master spark://dhcpwifi-22-75.enst.fr:7077 /Users/stephanetrublereau/Documents/tp_spark/target/scala-2.11/tp_spark-assembly-1.0.jar

Fin résultat execution :

16/11/14 18:12:00 WARN BLAS: Failed to load implementation from: com.github.fommil.netlib.NativeRefBLAS

16/11/14 18:13:49 WARN LogisticRegression: LogisticRegression training finished but the result is not converged because: max iterations reached

16/11/14 18:14:03 WARN LogisticRegression: LogisticRegression training finished but the result is not converged because: max iterations reached

16/11/14 18:15:37 WARN LogisticRegression: LogisticRegression training finished but the result is not converged because: max iterations reached

++		
l features abel prediction		
++		
I[0.567857136,4.44l 1.0l	1.01	
l[0.677375164,1.24l 1.0l	0.01	
I[0.689967832,4.95l 1.0l	1.01	
I[0.740928422,1.85I 1.0I	0.01	
I[0.742958836,6.3EI 1.0I	1.01	
I[0.849907889,2.92l 1.0l	1.01	
I[0.916140768,1.91I 1.0I	1.01	
I[0.93875077,1.163I 1.0I	1.01	
I[1.19655156,3.563l 1.0l	1.01	
I[1.224866322,3.83I 1.0I	1.01	
I[1.269090374,1.00I 1.0I	1.01	
I[1.475322314,4.18I 1.0I	1.01	
I[1.6255222,1.55EI 1.0I	1.01	
I[1.766789062,7.12I 1.0I	1.01	
I[2.052349905,1.5EI 1.0I	0.01	
I[2.09081565,1.034I 1.0I	1.01	
I[2.104722184,9.17I 1.0I	1.01	
I[2.164570968,6.83I 1.0I	1.01	
I[2.240486391,4.04l 1.0l	1.01	
I[2.403643296,7.22I 1.0I	1.01	
++		
only showing top 20 rows		

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ROC BinaryClassificationEvaluator: 0.9940126902342445

Détail complet du CR produit

16/11/14 18:11:51 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

16/11/14 18:11:51 WARN Utils: Service 'SparkUI' could not bind on port 4040. Attempting port 4041.

16/11/14 18:11:52 WARN SparkContext: Use an existing SparkContext, some configuration may not take effect.

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.

16/11/14 18:11:55 WARN Utils: Truncated the string representation of a plan since it was too large. This behavior can be adjusted by setting

'spark.debug.maxToStringFields' in SparkEnv.conf.

(nombre de ligne:,6410)

(nombre de colonnes : ,113)

koi_period

koi_period_err1

koi_period_err2

koi_time0bk

koi time0bk err1

koi_time0bk_err2

koi_time0

koi time0 err1

koi_time0_err2

koi_eccen

koi impact

koi_impact_err1

koi impact err2

koi_duration

koi_duration_err1

koi duration err2

koi_depth

koi_depth_err1

koi_depth_err2

koi ror

koi ror err1

koi_ror_err2

koi_srho

koi_srho_err1

koi srho err2

koi_prad

koi_prad_err1

koi_prad_err2

koi_sma

koi_incl

koi teg

koi_insol

koi_insol_err1

koi insol err2

koi_dor

koi_dor_err1

koi_dor_err2

koi_ldm_coeff4

koi_ldm_coeff3

koi_ldm_coeff2

koi_ldm_coeff1

koi_max_sngle_ev

koi_max_mult_ev

koi_model_snr

koi count

koi_num_transits

koi_tce_plnt_num

koi_quarters

koi_steff

koi_steff_err1

koi_steff_err2

koi_slogg

koi_slogg_err1

koi_slogg_err2

koi_smet

koi_smet_err1

koi_smet_err2

koi_srad

koi_srad_err1

koi_srad_err2

koi_smass

koi smass err1

koi_smass_err2

ra

dec

koi_kepmag

koi_gmag

koi_rmag

koi_imag

koi_zmag

koi_jmag

koi_hmag

koi_kmag

koi_fwm_stat_sig

koi_fwm_sra

koi_fwm_sra_err

koi_fwm_sdec

koi_fwm_sdec_err

koi_fwm_srao

koi_fwm_srao_err

koi_fwm_sdeco

koi_fwm_sdeco_err

koi_fwm_prao

koi_fwm_prao_err

```
koi_fwm_pdeco
```

koi_fwm_pdeco_err

koi_dicco_mra

koi dicco mra err

koi dicco mdec

koi_dicco_mdec_err

koi_dicco_msky

koi_dicco_msky_err

koi_dicco_fra

koi dicco fra err

koi_dicco_fdec

koi_dicco_fdec_err

koi_dicco_fsky

koi_dicco_fsky_err

koi_dikco_mra

koi_dikco_mra_err

koi_dikco_mdec

koi_dikco_mdec_err

koi_dikco_msky

koi_dikco_msky_err

koi_dikco_fra

koi dikco fra err

koi_dikco_fdec

koi_dikco_fdec_err

koi dikco fsky

koi_ror_min

koi ror max

root

I-- rowid: integer (nullable = true)

I-- koi period: double (nullable = true)

l-- koi_period_err1: double (nullable = true)

I-- koi_period_err2: double (nullable = true)

l-- koi_time0bk: double (nullable = true)

l-- koi_time0bk_err1: double (nullable = true)

l-- koi_time0bk_err2: double (nullable = true)

I-- koi_time0: double (nullable = true)

I-- koi_time0_err1: double (nullable = true)

I-- koi_time0_err2: double (nullable = true)

I-- koi eccen: integer (nullable = true)

I-- koi_impact: double (nullable = true)

I-- koi_impact_err1: double (nullable = true)

I-- koi_impact_err2: double (nullable = true)

I-- koi_duration: double (nullable = true)

I-- koi_duration_err1: double (nullable = true)

I-- koi duration err2: double (nullable = true)

I-- koi_depth: double (nullable = true)

I-- koi_depth_err1: double (nullable = true)

I-- koi_depth_err2: double (nullable = true)

I-- koi_ror: double (nullable = true)

```
l-- koi_ror_err1: double (nullable = true)
```

- I-- koi ror err2: double (nullable = true)
- l-- koi_srho: double (nullable = true)
- I-- koi srho err1: double (nullable = true)
- l-- koi_srho_err2: double (nullable = true)
- l-- koi_prad: double (nullable = true)
- l-- koi_prad_err1: double (nullable = true)
- I-- koi_prad_err2: double (nullable = true)
- I-- koi_sma: double (nullable = true)
- l-- koi_incl: double (nullable = true)
- l-- koi_teq: double (nullable = true)
- l-- koi_insol: double (nullable = true)
- l-- koi_insol_err1: double (nullable = true)
- l-- koi_insol_err2: double (nullable = true)
- l-- koi_dor: double (nullable = true)
- l-- koi_dor_err1: double (nullable = true)
- l-- koi_dor_err2: double (nullable = true)
- I-- koi_ldm_coeff4: double (nullable = true)
- l-- koi_ldm_coeff3: double (nullable = true)
- I-- koi_ldm_coeff2: double (nullable = true)
- I-- koi_ldm_coeff1: double (nullable = true)
- l-- koi_max_sngle_ev: double (nullable = true)
- I-- koi_max_mult_ev: double (nullable = true)
- I-- koi_model_snr: double (nullable = true)
- I-- koi_count: integer (nullable = true)
- I-- koi_num_transits: integer (nullable = true)
- I-- koi_tce_plnt_num: integer (nullable = true)
- I-- koi_quarters: decimal(32,0) (nullable = true)
- l-- koi_steff: double (nullable = true)
- I-- koi steff err1: double (nullable = true)
- l-- koi_steff_err2: double (nullable = true)
- I-- koi_slogg: double (nullable = true)
- l-- koi_slogg_err1: double (nullable = true)
- l-- koi_slogg_err2: double (nullable = true)
- l-- koi_smet: double (nullable = true)
- I-- koi_smet_err1: double (nullable = true)
- I-- koi_smet_err2: double (nullable = true)
- I-- koi_srad: double (nullable = true)
- I-- koi srad err1: double (nullable = true)
- l-- koi_srad_err2: double (nullable = true)
- I-- koi_smass: double (nullable = true)
- I-- koi_smass_err1: double (nullable = true)
- I-- koi_smass_err2: double (nullable = true)
- I-- ra: double (nullable = true)
- I-- dec: double (nullable = true)
- l-- koi_kepmag: double (nullable = true)
- I-- koi_gmag: double (nullable = true)
- I-- koi_rmag: double (nullable = true)
- l-- koi_imag: double (nullable = true)

```
I-- koi zmaq: double (nullable = true)
I-- koi jmaq: double (nullable = true)
I-- koi_hmag: double (nullable = true)
I-- koi kmaq: double (nullable = true)
I-- koi fwm stat sig: double (nullable = true)
I-- koi_fwm_sra: double (nullable = true)
I-- koi fwm sra err: double (nullable = true)
l-- koi_fwm_sdec: double (nullable = true)
I-- koi_fwm_sdec_err: double (nullable = true)
I-- koi fwm srao: double (nullable = true)
l-- koi_fwm_srao_err: double (nullable = true)
I-- koi_fwm_sdeco: double (nullable = true)
l-- koi_fwm_sdeco_err: double (nullable = true)
I-- koi_fwm_prao: double (nullable = true)
l-- koi_fwm_prao_err: double (nullable = true)
l-- koi_fwm_pdeco: double (nullable = true)
I-- koi_fwm_pdeco_err: double (nullable = true)
I-- koi_dicco_mra: double (nullable = true)
l-- koi_dicco_mra_err: double (nullable = true)
I-- koi_dicco_mdec: double (nullable = true)
l-- koi_dicco_mdec_err: double (nullable = true)
I-- koi dicco msky: double (nullable = true)
I-- koi_dicco_msky_err: double (nullable = true)
I-- koi_dicco_fra: double (nullable = true)
I-- koi dicco fra err: double (nullable = true)
l-- koi_dicco_fdec: double (nullable = true)
I-- koi dicco fdec err: double (nullable = true)
l-- koi_dicco_fsky: double (nullable = true)
l-- koi_dicco_fsky_err: double (nullable = true)
I-- koi dikco mra: double (nullable = true)
l-- koi_dikco_mra_err: double (nullable = true)
I-- koi_dikco_mdec: double (nullable = true)
l-- koi_dikco_mdec_err: double (nullable = true)
l-- koi_dikco_msky: double (nullable = true)
I-- koi_dikco_msky_err: double (nullable = true)
I-- koi_dikco_fra: double (nullable = true)
I-- koi_dikco_fra_err: double (nullable = true)
I-- koi_dikco_fdec: double (nullable = true)
I-- koi dikco fdec err: double (nullable = true)
I-- koi dikco fsky: double (nullable = true)
I-- koi_disposition: string (nullable = true)
I-- koi ror min: double (nullable = true)
l-- koi_ror_max: double (nullable = true)
(nombre de ligne: ,6410)
(nombre de colonnes : ,114)
(nombre de ligne : ,6410)
```

(nombre de colonnes : ,2) root

```
I-- features: vector (nullable = true)
+----+
Ikoi dispositionI
                featuresl
+----+
   CONFIRMEDI[9.48803146,2.95E...I
CONFIRMEDI[54.418464,2.686E...I
П
   CONFIRMEDI[2.525593315,3.66...I
   CONFIRMEDI[11.09431923,2.13...I
   CONFIRMEDI[4.13443005,1.061...I
CONFIRMEDI[2.56659092,1.598...I
I FALSE POSITIVEI[7.36178044,1.589...I
   CONFIRMEDI[16.06862959,1.16...I
   CONFIRMEDI[2.470613385,1.9E...I
Т
   CONFIRMEDI[2.204735365,3.8E...I
П
   CONFIRMEDI[3.522498573,1.94...I
   CONFIRMEDI[3.709213846,6.32...I
I FALSE POSITIVEI[11.521446107,2.0...I
I FALSE POSITIVEI[19.40398222,1.39...I
I FALSE POSITIVEI[16.46983563,1.20...I
   CONFIRMEDI[9.27358194,1.178...I
   CONFIRMEDI[6.029301321,5.36...I
I FALSE POSITIVEI[2.696365214,7.04...I
   CONFIRMEDI[5.34955671,9.141...I
   CONFIRMEDI[3.94104632,1.16E...I
+----+
only showing top 20 rows
root
I-- koi_disposition: string (nullable = true)
I-- features: vector (nullable = true)
I-- label: double (nullable = true)
+----+
Ikoi dispositionI
                featuresllabell
+----+
   CONFIRMEDI[9.48803146,2.95E...l 1.0l
   CONFIRMEDI[54.418464,2.686E...l 1.0l
   CONFIRMEDI[2.525593315,3.66...l 1.0l
П
   CONFIRMEDI[11.09431923,2.13...l 1.0l
1
   CONFIRMEDI[4.13443005,1.061...l 1.0l
   CONFIRMEDI[2.56659092,1.598...l 1.0l
I FALSE POSITIVEI[7.36178044,1.589...I 0.0I
   CONFIRMEDI[16.06862959,1.16...I 1.0I
1
   CONFIRMEDI[2.470613385,1.9E...l 1.0l
CONFIRMEDI[2.204735365,3.8E...I 1.0I
   CONFIRMEDI[3.522498573,1.94...l 1.0l
   CONFIRMEDI[3.709213846,6.32...l 1.0l
```

I-- koi disposition: string (nullable = true)

```
I FALSE POSITIVEI[11.521446107,2.0...I 0.0I
I FALSE POSITIVEI[19.40398222,1.39...I 0.0I
I FALSE POSITIVEI[16.46983563,1.20...I 0.0I
    CONFIRMEDI[9.27358194,1.178...l 1.0l
CONFIRMEDI[6.029301321,5.36...l 1.0l
I FALSE POSITIVEI[2.696365214,7.04...I 0.0I
    CONFIRMEDI[5.34955671,9.141...l 1.0l
    CONFIRMEDI[3.94104632,1.16E...l 1.0l
+----+
only showing top 20 rows
root
I-- koi_disposition: string (nullable = true)
I-- features: vector (nullable = true)
I-- label: double (nullable = true)
+----+
Ikoi_dispositionI
                   featuresllabell
+-----
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
Τ
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
Τ
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
Т
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
I
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
    CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
1
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
I
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,1,2,3,4,5...l 1.0l
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,1,2,3,4,5...I 1.0I
   CONFIRMEDI(111,[0,3,6,13,41...l 1.0l
   CONFIRMEDI(111,[0,3,6,13,44...l 1.0l
   CONFIRMEDI[0.538354308,6.75...l 1.0l
CONFIRMEDI[0.539915238,1.35...I 1.0I
   CONFIRMEDI[0.568874427,6.01...l 1.0l
+----+
only showing top 20 rows
[D@1d654b5f16/11/14 18:12:00 WARN BLAS: Failed to load implementation from:
com.github.fommil.netlib.NativeSystemBLAS
16/11/14 18:12:00 WARN BLAS: Failed to load implementation from:
com.github.fommil.netlib.NativeRefBLAS
16/11/14 18:13:49 WARN LogisticRegression: LogisticRegression training finished
```

but the result is not converged because: max iterations reached

16/11/14 18:14:03 WARN LogisticRegression: LogisticRegression training finished

but the result is not converged because: max iterations reached 16/11/14 18:15:37 WARN LogisticRegression: LogisticRegression training finished but the result is not converged because: max iterations reached

+		
l features abel prediction		
+		
I[0.567857136,4.44I 1.0I	1.01	
I[0.677375164,1.24l 1.0l	0.01	
I[0.689967832,4.95I 1.0I	1.01	
I[0.740928422,1.85I 1.0I	0.01	
I[0.742958836,6.3EI 1.0I	1.01	
I[0.849907889,2.92I 1.0I	1.01	
I[0.916140768,1.91I 1.0I	1.01	
I[0.93875077,1.163I 1.0I	1.01	
I[1.19655156,3.563l 1.0l	1.01	
I[1.224866322,3.83I 1.0I	1.01	
I[1.269090374,1.00I 1.0I	1.01	
I[1.475322314,4.18I 1.0I	1.01	
I[1.6255222,1.55EI 1.0I	1.01	
I[1.766789062,7.12I 1.0I	1.01	
I[2.052349905,1.5EI 1.0I	0.01	
I[2.09081565,1.034I 1.0I	1.01	
l[2.104722184,9.17l 1.0l	1.01	
I[2.164570968,6.83I 1.0I	1.01	
I[2.240486391,4.04l 1.0l	1.01	
l[2.403643296,7.22l 1.0l	1.01	
+	+	
only showing top 20 rows		

ROC BinaryClassificationEvaluator: 0.9940126902342445