MVP TEST INSTRUCTION

SETUP ENVIRONMENT(LOCAL):

- 1. Download Spark from :http://spark.apache.org/downloads.html (version:1.5.2) please choose the approriate package type according to Hadoop version.
- 2. To build Spark and its example programs, run: build/mvn
- 3. Install python 2.7(or Python 3)

RUN ON CLUSTER:

1. Login Cluster:

ssh honeycomb@128.2.7.38 (password: ask teammates)

2. Copy files into CLuster local host:

sudo scp source_file_name honeycomb@128.2.7.38:/home/honeycomb/SparkTeam e.g:

sudo scp /Users/jacobliu/PySpark.py honeycomb@128.2.7.38:/home/honeycomb/SparkTeam

3. Put files into HDFS:

HADOOP_USER_NAME=hdfs hdfs dfs -put LOCAL_FILE_PATH HDFS_FILE_PATH e.g:

hdfs dfs -put /home/honeycomb/SparkTeam/sample_multiclass_classification_data_test.txt /user/spark/input

4. Put PySpark.py and train/test dataset into HDFS and run command line:

YOUR_SEVER_SPARK_PATH/spark-submit PySpark.py YOUR_TRAIN_DATA_HDFS_PATH YOUT_TEST_DATA_HDFS_PATH YOUR_OUTPUT_HDFS_PATH e.g:

/bin/spark-submit /home/honeycomb/SparkTeam/PySpark.py

/user/spark/input/sample_multiclass_classification_data.txt

/user/spark/input/sample_multiclass_classification_data_test.txt /user/spark/out/

RESULT: SUCCESS!

16/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56) ffini shed in 0.009 s
16/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56) ffini flow2/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Job 27 finished: collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 31 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 32 (collectAsMap at MulticlassMetrics.scala:56, too left/02/16 06:25:58 INFO DMGScheduler: Parents of Too left/02/16 06:25:58 INFO DMGScheduler: Parents of Too left/02/16 06:25:58 INFO DMGScheduler: ResultStage 32 (colle