result1

March 20, 2018

19:11

training count:94383

test count:23598

regParam:0.1

rank:200

Root-mean-square for training error = 0.178700655095

Root-mean-square for test error = 1.82445180459

save model modelFilePath:/opt/nan/yelpProject/source/model/Mesa

training count:91656

test count:22957

regParam:0.1

rank:200

Root-mean-square for training error = 0.227479921241

Root-mean-square for test error = 1.33999057284

save model modelFilePath:/opt/nan/yelpProject/source/model/Montr

training count:118438

test count:29640

regParam:0.1

rank:200

Root-mean-square for training error = 0.207866274813

Root-mean-square for test error = 1.66584423878

save model modelFilePath:/opt/nan/yelpProject/source/model/Tempe

training count:118148

test count:29570

regParam:0.1

rank:200

Root-mean-square for training error = 0.217556806137

Root-mean-square for test error = 1.69336107048

save model modelFilePath:/opt/nan/yelpProject/source/model/Henderson

training count:129821

test count:32621

regParam:0.1

rank:200

Root-mean-square for training error = 0.268732126093

Root-mean-square for test error = 1.41911072231

save model modelFilePath:/opt/nan/yelpProject/source/model/Pittsbur

training count:169889

test count:42484

regParam:0.1

rank:200

Root-mean-square for training error = 0.272880995226

Root-mean-square for test error = 1.45080147656

save model modelFilePath:/opt/nan/yelpProject/source/model/Charlotte

丢失了时间数据

重新做了一遍

training count:169889

test count:42484

regParam:0.1

rank:200

Root-mean-square for training error = 0.272880995946

Root-mean-square for test error = 1.45080147741

save model modelFilePath:/opt/nan/yelpProject/source/model/Charlotte

Machine generated alternative text:
Application ID 
app-20180321052432-0000 
Name 
ALSModelTraining 
Cores 
8 
Memory per Executor 
1024.0 MB 
Submitted Time 
2018/03/21 0524.32 
User 
root 
State 
FINISHED 
Duration 
58 min 

之前五个的

Running Applications (1) 
Application ID 
app-20180321035806-0007 
Completed Applications (7) 
Application ID 
app-20180321030536-0006 
app-20180321020833-0005 
app-20180321011315-0004 
app-20180321003524-0003 
app-20180320233247-0002 
Name 
ALSModelTraining 
Cores 
Memory per Executor 
1024.0 MB 
(kill ) 
Name 
ALSM0delTraining 
ALSModelTraining 
ALSModelTraining 
ALSModelTraining 
ALSModelTraining 
8 
Cores 
8 
8 
8 
8 
8 
Memory per Executor 
1024.0 MB 
1024.0 MB 
1024.0 MB 
1024.0 MB 
1024.0 MB 
Submitted Time 
2018/03/21 035806 
Submitted Time 
2018/03/21 03:05136 
2018/03/21 
2018/03/21 01:13:15 
2018/03/21 008524 
2018/03/20 
user 
root 
user 
root 
root 
root 
root 
root 
State 
RUNNING 
State 
FINISHED 
FINISHED 
FINISHED 
FINISHED 
FINISHED 
Duration 
34 min 
Duration 
49 min 
54 min 
53 min 
37 min 
50 min 

training count:223812

test count:56117

regParam:0.1

rank:200

Root-mean-square for training error = 0.2368799254

Root-mean-square for test error = 1.62349072516

save model modelFilePath:/opt/nan/yelpProject/source/model/Scottsdale

Machine generated alternative text:
Completed Applications (1) 
Application ID 
app-20180321130255-0000 
Name 
ALSModelTraining 
Cores 
8 
Memory per Executor 
1024.0 MB 
Submitted Time 
2018/03/21 
User 
root 
State 
FINISHED 
Duration 
1.5 h 

training count:313500

test count:78348

regParam:0.1

rank:200

Root-mean-square for training error = 0.290483952077

Root-mean-square for test error = 1.35968069724

save model modelFilePath:/opt/nan/yelpProject/source/model/Toronto

Completed Applications (2) 
Application ID 
app-20180321143814-0001 
app.20180321130255-oooo 
Name 
ALSModelTraining 
ALSModelTraining 
C ores 
8 
8 
Memory per Executor 
1024.0 MB 
1024.0 
Submitted Time 
2018/03/21 143814 
2018/03/21 
user 
root 
root 
State 
FINISHED 
FINISHED 
Duration 
1.3h 
1.5h 

training count:415551

test count:103761

regParam:0.1

rank:200

Root-mean-square for training error = 0.256612287989

Root-mean-square for test error = 1.58368235828

save model modelFilePath:/opt/nan/yelpProject/source/model/Phoenix

Machine generated alternative text:
Completed Applications (3) 
Application ID 
app-20180321164014-0002 
app-ml 80321143814-0001 
app-20180321130255-0000 
Name 
ALSModelTraining 
ALSModelTraining 
ALSModelTraining 
Cores 
8 
8 
8 
Memory per Executor 
1024.0 MB 
1024.0 MB 
1024.0 MB 
Submitted Time 
2018/03/21 16:40.14 
2018/03/21 
14:38.14 
2018/03/21 13:02.55 
User 
root 
root 
root 
State 
FINISHED 
FINISHED 
FINISHED 
Duration 
2.4 h 
1.3 h 
1.5 h 

2018-03-21 19:23:07 INFO StateStoreCoordinatorRef:54 - Registered StateStoreCoordinator endpoint

training count:1194331

test count:298407

2018-03-21 19:48:25 WARN TaskSetManager:66 - Lost task 4.0 in stage 141.0 (TID 3004, 10.138.0.2, executor 1): FetchFailed(BlockManagerId(0, 10.138.0.3, 33817, None), shuffleId=121, mapId=9, reduceId=4, message=

org.apache.spark.shuffle.FetchFailedException: failed to allocate 65536 byte(s) of direct memory (used: 67047424, max: 67108864)

at org.apache.spark.storage.ShuffleBlockFetcherIterator.throwFetchFailedException(ShuffleBlockFetcherIterator.scala:519)

at org.apache.spark.storage.ShuffleBlockFetcherIterator.next(ShuffleBlockFetcherIterator.scala:450)

at org.apache.spark.storage.ShuffleBlockFetcherIterator.next(ShuffleBlockFetcherIterator.scala:61)

at scala.collection.Iterator$$anon$12.nextCur(Iterator.scala:434)

at scala.collection.Iterator$$anon$12.hasNext(Iterator.scala:440)

at scala.collection.Iterator$$anon$11.hasNext(Iterator.scala:408)

training count:1194365

test count:298373

regParam:0.1

rank:200

Root-mean-square for training error = 0.296407840614

Root-mean-square for test error = 1.51533148961

save model modelFilePath:/opt/nan/yelpProject/source/model/Vegas

Machine generated alternative text:
Application ID 
app-ml 80322054052-0001 
Name 
ALSModelTraining 
Cores 
16 
Memory per Executor 
20.0 GB 
Submitted Time 
2018/03/22 
User 
root 
State 
FINISHED 
Duration 
3.1 h 

<http://35.197.88.160:4040/>

User: root 
Total uptime: 1.6 min 
Scheduling Mode: FIFO 
Active Jobs: 4 
Completed Jobs: 14 
Event Timeline 
Enable zooming 
o 
Executors 
Added 
Removed 
Jobs 
Succeeded 
[3 Running 
30 
Executor driver add 
Executor I add 
Executor O added 
40 
count at ALS.scala:1030 (Job 14) 
count at ALS.scala:1030 (Job 15) 
count at ALS.scala:1030 (Job 16) 
count at ALS.scala:1030 (Job 17) 
50 
10 
20 
30 
40 
50 
10 
21 March 05:24 
21 March 05:25 
21 March 05:26 

Active Jobs (4) 
Job Id 
17 
16 
15 
14 
Description 
count at ALS.scala:1030 
count at ALS.scala:1030 
count at ALS scala:1030 
count at 
count at ALS.scala:1030 
count at ALS.scala. 
• 1030 
count at ALS.scala. 
'1030 
count at ALS.scala. 
1030 
Submitted 
2018/03/21 052506 
(kill ) 
2018/03/21 
(kill ) 
2018/03/21 
(kill) 
2018/03/21 
Submitted 
2018/03/21 
2018/03/21 05:25:01 
2018/03/21 052501 
2018/03/21 
Duration 
1.0 min 
1.0 min 
1.0 min 
1.0 min 
Stages: Succeeded/Total 
5/45 
13/45 
25/45 
6/45 
Completed Jobs (14) 
Tasks (for all stages): Succeeded/Total 
50/426 (3 running) 
65/426 (5 running) 
Tasks (for all stages): Succeeded/Total 
Job Id • 
13 
12 
11 
10 
Description 
count at ALS scala:938 
count at ALS.scala:938 
count at ALS.scala:938 
count at ALS.scala:938 
count at ALS.scala:938 
count at ALS.scala:938 
count at ALS scala:938 
Duration 
Stages: Succeeded/Total 
2/2 (1 skipped) 
212 (1 skipped) 
212 (1 skipped) 
2/2 (1 skipped) 

<http://35.197.88.160:8080/>

<http://35.197.88.160:8081/>

<http://35.227.188.185:8081/>

Machine generated alternative text:
Spar 
spark Worker at 10.138.0.3:37413 
2.3.o 
ID: worker-20180321052356-10.138.0.3-37413 
Master URL: spark://nan 1.c.ece-657-group-1.internal:7077 
Cores: 4 (4 Used) 
Memory: 13.7 GB (1024.0 MB used) 
Back to Master 
Running Executors (1) 
ExecutorlD 
Cores 
4 
State 
RUNNING 
Memory 
1024.0 MB 
Job Details 
ID: app-20180321052432-OOOO 
Name: ALSModelTraining 
User: root 
Logs 
stdout stderr 

Machine generated alternative text:
Spar 
spark Worker at 10.138.0.2:45503 
2.3.o 
ID: worker-20180321052359-10.138.0.2-45503 
Master URL: spark://nan 1.c.ece-657-group-1.internal:7077 
Cores: 4 (4 Used) 
Memory: 13.7 GB (1024.0 MB used) 
Back to Master 
Running Executors (1) 
ExecutorlD 
Cores 
4 
State 
RUNNING 
Memory 
1024.0 MB 
Job Details 
ID: app-20180321052432-0000 
Name: ALSModelTraining 
User: root 
Logs 
stdout stderr 

Machine generated alternative text:
Spar 
2.3.o 
Spark Master at spark://nanl .c.ece-657-group-1 
.internal:7077 
URL: spark://nanl .c.ece-657-group-1.internal:7077 
REST URL: spark://nanl .c.ece-657-group-1.internal:6066 (cluster mode) 
Alive Workers: 2 
Cores in use: 8 Total, 8 Used 
Memory in use: 27.4 GB Total, 2.0 GB Used 
Applications: 1 Running, 0 Completed 
Drivers: 0 Running, 0 Completed 
Status: ALIVE 
Workers (2) 
Worker Id 
worker-20180321052356-10.138.0.3-37413 
worker-20180321052359-10.138.0.2-45503 
Address 
10.138.0.3:37413 
10.138.0.2:45503 
State 
ALIVE 
ALIVE 
Cores 
4 (4 Used) 
4 (4 Used) 
Submitted Time 
2018/03/21 
Memory 
13.7 GB (1024.0 MB used) 
13.7 GB (1024.0 MB used) 
Running Applications (1) 
Application ID 
app-20180321052432-0000 
(kill) 
Name 
ALSModelTraining 
Cores 
8 
Memory per Executor 
1024.0 MB 
User 
root 
State 
RUNNING 
Duration 
10 min 