Description

Spark version

2.2.1

Commands&Result

Task1 Jaccard

command for task1 Jaccard is as follow:

spark-submit --class JaccardLSH IChen_Yeh_hw3.jar video_small_num.csv
IChen_Yeh_SimilarProducts_Jaccard.txt

```
18/03/25 21:27:23 INFO DAGScheduler:
precision = 0.9997280448516799
recall = 0.9350042065308838
18/03/25 21:27:24 INFO SparkContext:
```

Task1 Cosine

spark-submit --class CosineLSH IChen_Yeh_hw3.jar video_small_num.csv
IChen_Yeh_SimilarProducts_Cosine.txt

```
18/03/26 22:23:31 INFO TaskSch
precision = 0.92397815
recall = 0.8868202
18/03/26 22:23:31 INFO SparkCo
18/03/26 22:23:31 INFO SparkUI
```

Task2 ModelBasedCF

command for task2 ModelBasedCF is as follow:

spark-submit --class ModelBasedCF IChen_Yeh_hw3.jar video_small_num.csv
video_small_testing_num.csv IChen_Yeh_ModelBasedCF.txt