

```
In [1]: from pyspark.ml.evaluation import RegressionEvaluator
from pyspark.ml.recommendation import ALS
from pyspark.sql import Row
from pyspark.sql import SparkSession
spark = SparkSession.builder.getOrCreate()
data = spark.read.format("csv").option("header",True).option("inferSchema",True).load("RCdata/rating_final.csv")
data.show()
```

userID	placeID	rating	food_rating	service_rating
1	135085	2	2	2
2	135038	2	2	1
3	132825	2	2	2
4	135060	1	2	2
5	135104	1	1	2
6	132740	0	0	0
7	132663	1	1	1
8	132732	0	0	0
9	132630	1	1	1
10	132584	2	2	2
11	132733	1	1	1
12	132732	1	2	2
13	132630	1	0	1
14	135104	0	0	0
15	132560	1	0	0
16	132584	1	2	1
17	132732	0	0	2
18	132630	1	2	0
19	132613	2	2	2
20	132667	1	2	2

only showing top 20 rows

```
In [4]: (training, test) = data.randomSplit([0.8, 0.2])
als = ALS(maxIter=5, regParam=0.01, implicitPrefs=True, userCol="userID",
itemCol="placeID", ratingCol="rating",
coldStartStrategy="drop")
model = als.fit(training)
```

