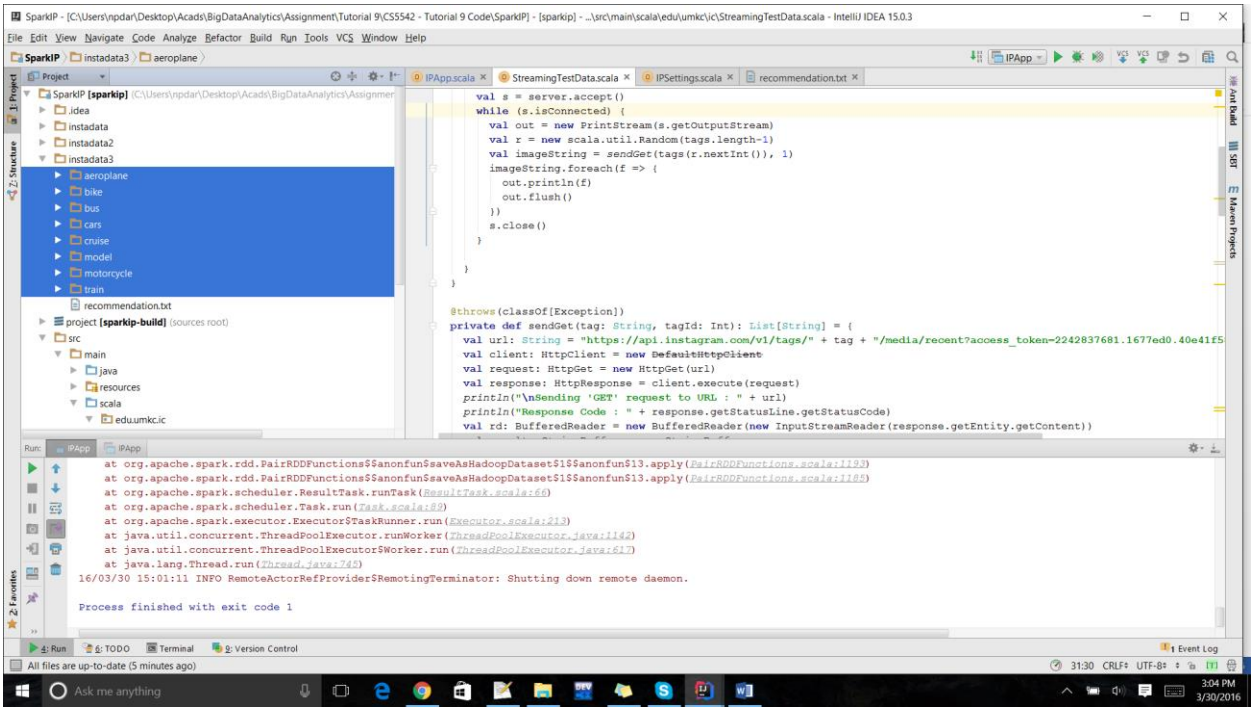
Question 1:

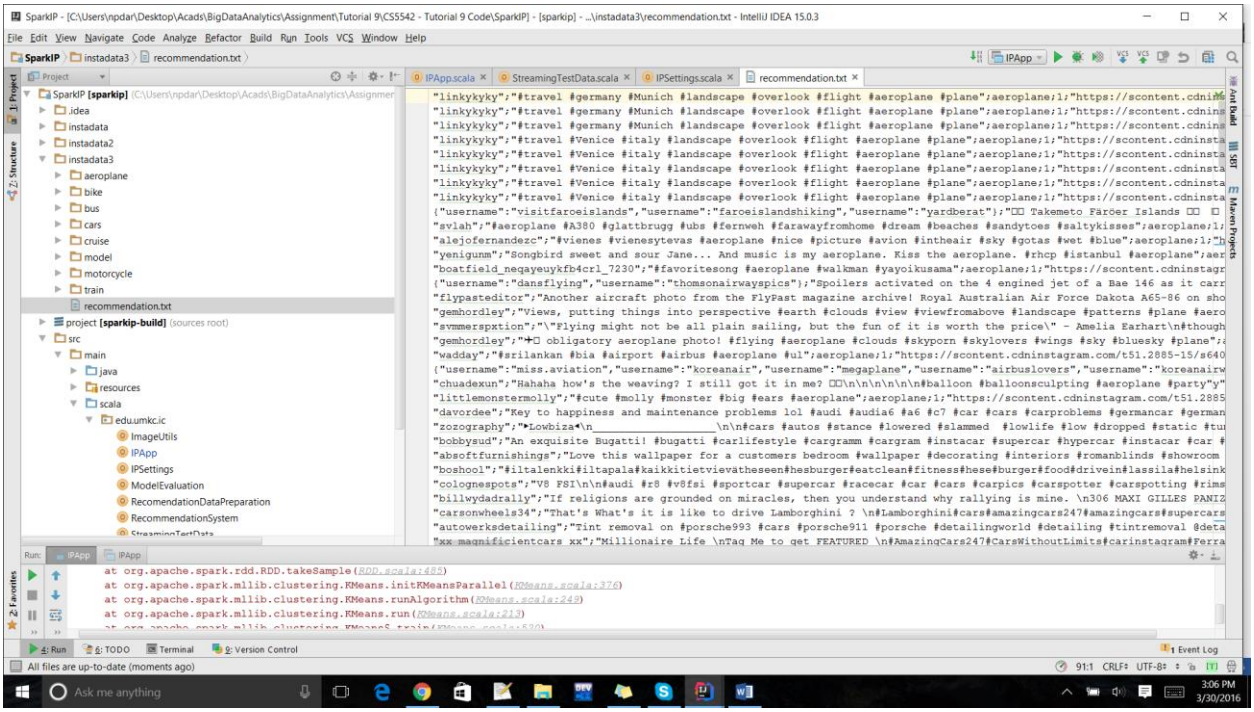
Image collection andsentimental analysis based on the imagetags using Instagramstreaming (related to your project)

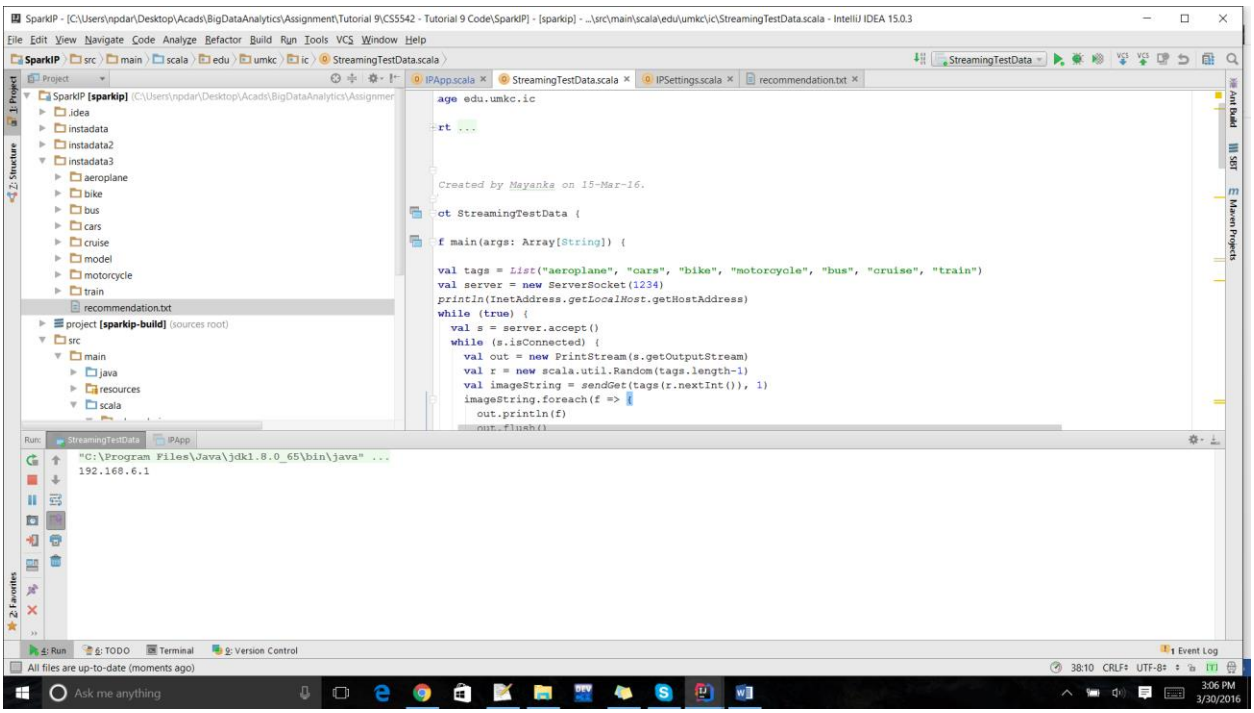
a.Training Datasets:Instagram Streaming/Categorized Image (e.g., Static UEC Food Dataset) and meta data

b.Testing Datasetse.g., Image, UserGroup, Category, Rating(Instagramstreaming)

Training Data Sets

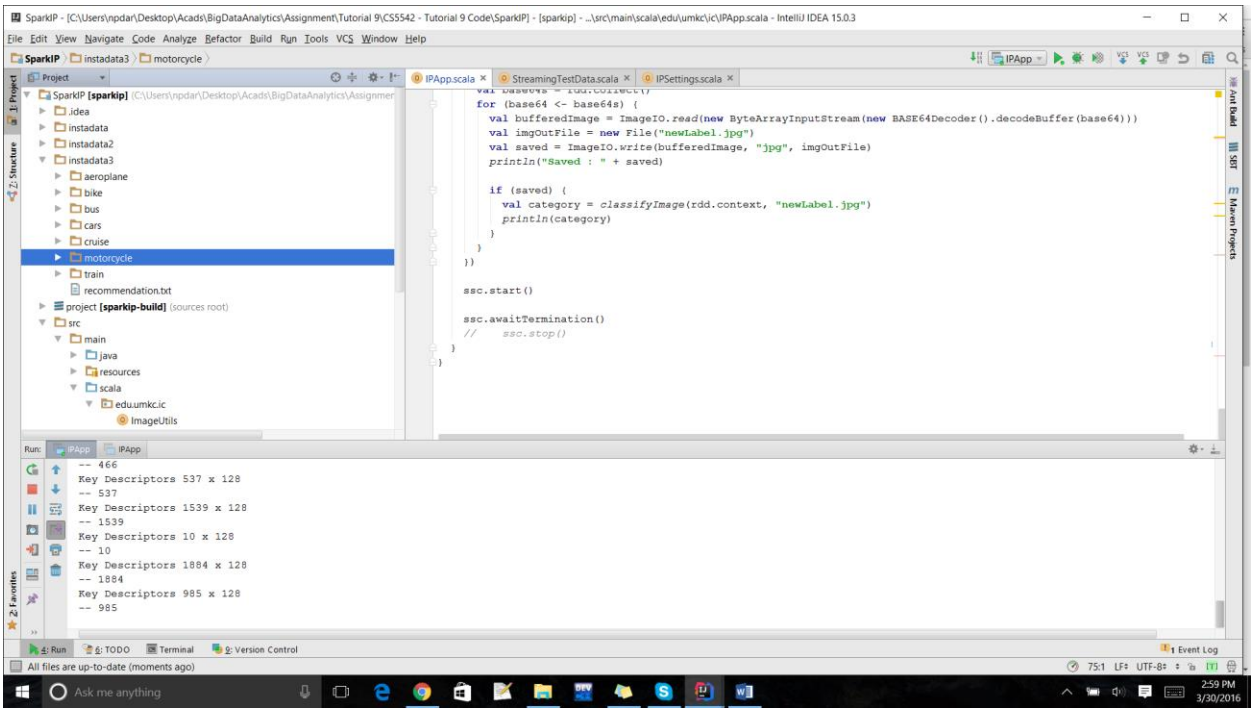



SparkIP - [C:\Users\npdar\Desktop\Acads\BigDataAnalytics\Assignment\Tutorial 9\CS5542 - Tutorial 9 Code\SparkIP] - [sparkip] - ...\instadata3\recommendation.txt - IntelliJ IDEA 15.0.3
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
IPApp.scala
StreamingTestData.scala
IPSettings.scala
recommendation.txt
SparkIP [sparkip]
.idea
instadata
instadata2
instadata3
aeroplane
bike
bus
cars
cruise
model
motorcycle
train
recommendation.txt
project [sparkip-build] (sources root)
src
main
java
resources
scala
edu.umkc.ic
ImageUtils
IPApp
IPSettings
ModelEvaluation
RecomendationDataPreparation
RecommendationSystem
at org.apache.spark.rdd.RDD.takeSample(RDD.scala:485)
at org.apache.spark.mllib.clustering.KMeans.initKMeansParallel(KMeans.scala:376)
at org.apache.spark.mllib.clustering.KMeans.runAlgorithm(KMeans.scala:249)
at org.apache.spark.mllib.clustering.KMeans.run(KMeans.scala:213)
All files are up-to-date (moments ago)
Ask me anything
3:06 PM
3/30/2016


SparkIP - [C:\Users\npdar\Desktop\Acads\BigDataAnalytics\Assignment\Tutorial 9\CS5542 - Tutorial 9 Code\SparkIP] - [sparkip] - ...\src\main\scala\edu\umkc\ic\StreamingTestData.scala - IntelliJ IDEA 15.0.3
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
StreamingTestData.scala
Created by Mayanka on 15-Mar-16.
val tags = List("aeroplane", "cars", "bike", "motorcycle", "bus", "cruise", "train")
val server = new ServerSocket(1234)
println(InetAddress.getLocalHost.getHostAddress)
while (true) {
val s = server.accept()
while (s.isConnected) {
val out = new PrintStream(s.getOutputStream)
val r = new scala.util.Random(tags.length-1)
val imageString = sendGet(tags(r.nextInt()), 1)
imageString.foreach(f => {
out.println(f)
"C:\Program Files\Java\jdk1.8.0_65\bin\java" ...
192.168.6.1
All files are up-to-date (moments ago)
Ask me anything
3:06 PM
3/30/2016

Question 2:

Image Classification based on the categories related to your project

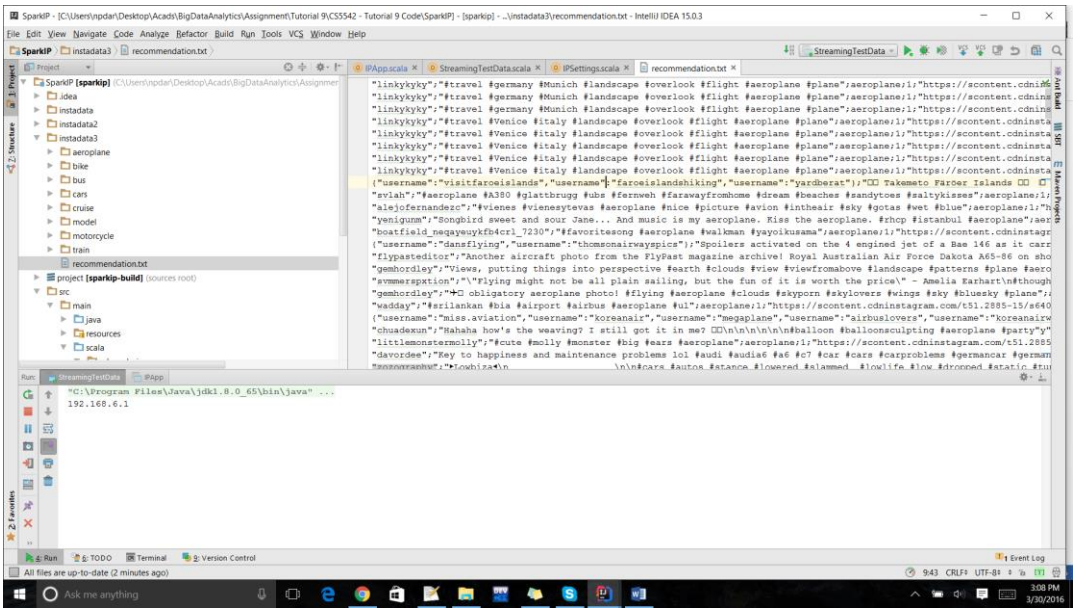


Question 3:

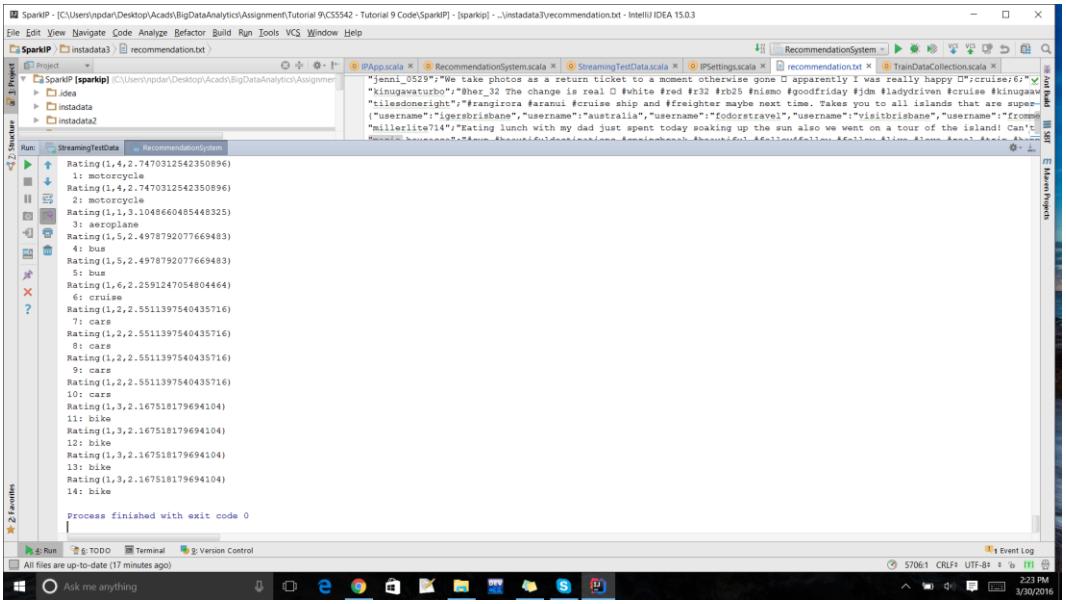
Image-based Recommendation system(related to your own project)

a.Therating based on sentiment analysisof Instagrammetadata

b.Expected outcome is to make a recommendationbased on user image input or profile(e.g., preferences, location, gender, age)Key Descriptors – Feature Extraction



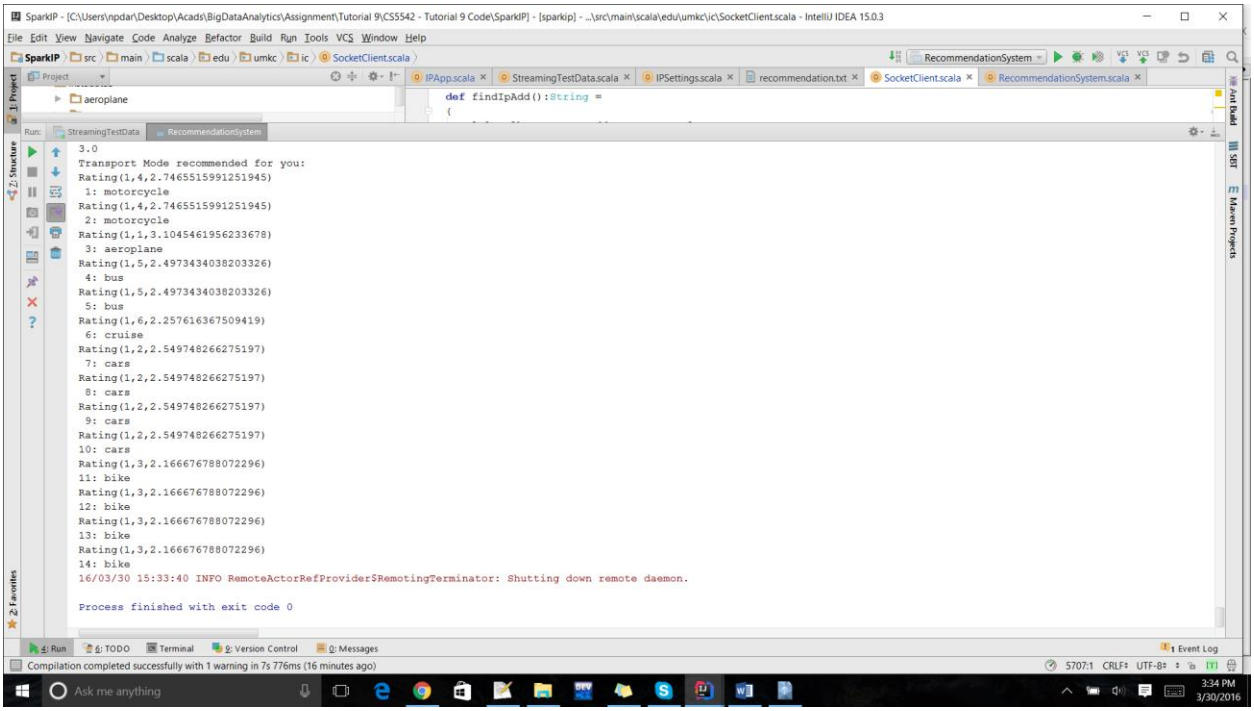
Recommendation System:



Question 5:

MobileRecommendationthrough smartphone/smartwatchusing your ML application

Recommendation Snapshot



Notification about the recommendation to Mobile

Hello World!

NOTIFY WEARABLE

I'm waiting here: 1234
SiteLocalAddress: 10.151.0.180

#1 from /10.99.0.120:62190
Transport Mode recommended for you:User Id: 1363512652
2: motorcycle
replayed: Hello from Android, you are #1
#2 from /10.99.0.120:62191
Transport Mode recommended for you:User Id: 1363512652
3: motorcycle
replayed: Hello from Android, you are #2
#3 from /10.99.0.120:62192
Transport Mode recommended for you:User Id: 1363512652
4: aeroplane
replayed: Hello from Android, you are #3
#4 from /10.99.0.120:62193
Transport Mode recommended for you:User Id: 1363512652
5: bus
replayed: Hello from Android, you are #4
#5 from /10.99.0.120:62194
Transport Mode recommended for you:User Id: 1363512652
6: bus
replayed: Hello from Android, you are #5
#6 from /10.99.0.120:62195
Transport Mode recommended for you:User Id: 1363512652

Hello World!

NOTIFY WEARABLE

I'm waiting here: 1234
SiteLocalAddress: 10.151.0.180

10: cars
replayed: Hello from Android, you are #9
#10 from /10.99.0.120:62199
Transport Mode recommended for you:User Id: 1363512652
11: cars
replayed: Hello from Android, you are #10
#11 from /10.99.0.120:62200
Transport Mode recommended for you:User Id: 1363512652
12: bike
replayed: Hello from Android, you are #11
#12 from /10.99.0.120:62201
Transport Mode recommended for you:User Id: 1363512652
13: bike
replayed: Hello from Android, you are #12
#13 from /10.99.0.120:62202
Transport Mode recommended for you:User Id: 1363512652
14: bike
replayed: Hello from Android, you are #13
#14 from /10.99.0.120:62203
Transport Mode recommended for you:User Id: 1363512652
15: bike
replayed: Hello from Android, you are #14