Submitted by

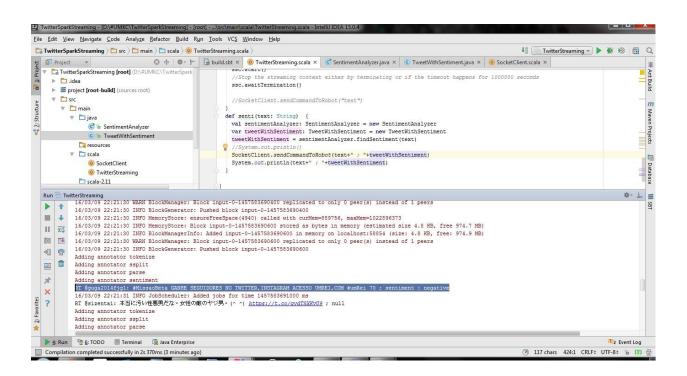
Venkata Vamsi Krishna Bhuvanam -3

Vikas Kondapalli -11

Task 1:

The task here was to perform sentiment analysis on Twitter streaming data. I performed the following steps to complete the task.

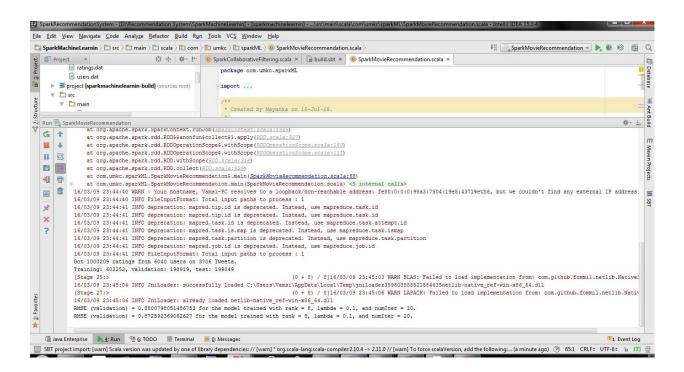
- 1. Create Twitter stream using Twitter4j package.
- 2. Filter the Tweets where the language is English.
- 3. Extract only the Tweet text from the Tweet.
- 4. For every Tweet text perform sentiment analysis using the Stanford NLP class.
- 5. Output the Tweet Text along with the sentiment of the Tweet text.

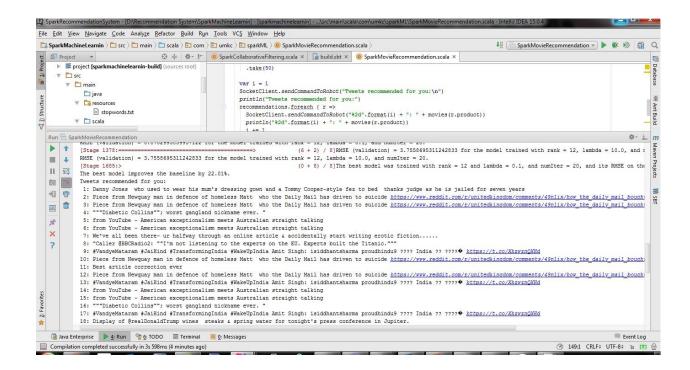


Task 2

This task was to suggest recommendations to the user based on his ratings for music genres. The following steps were performed to complete the task.

- Create training data through Twitter stream filtering and classification of data.
- 2. Manually formatting the collected data into the desired format.
- 3. Performing collaborative filtering on the training data to train the model.
- 4. Get sample data from Twitter to serve as test data.
- 5. Perform recommendation for the test data



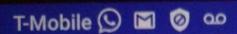


Task 3:

The task here was to send the recommendations to phone through socket connection.

The following steps were performed to accomplish the task.

- 1. Create a socket server at Android phone side.
- 2. Analyze the tweet using sentiment analysis.
- 3. Send the Analyzed sentiment data and tweet data to socket client.
- 4. Display the received string on the UI and the Android client end.





I'm waiting here: 1234

SiteLocalAddress: 192.168.1.141

#3 from /192.168.1.245:58866

RT @white_house01: These Horny Couples Need No Privacy!!

see >>> https://t.co/hjkL9JUNEj; sentiment: negative

#4 from /192.168.1.245:58867
RT @escape2times: LOLグッズ専門店『GGWP』を
4月初旬辺りにオープン予定です。
オープンするにあたってLOLのイラストをステッカーにしたいという方がいましたらステッカー印刷
代をGGWPが負担します、めそっどくんまでDM等で
連絡ください。 RTしていただ…; null

#5 from /192.168.1.245:58868
RT @rvillanueval: Un error puede pasar a cualquiera pero un Ayto. no debe tomarlo a la ligera y hacerlo chiste. Gobernar es cosa seria http...; null

#6 from /192.168.1.245:58870 RT @BailChapters_: Followers - 3, Unfollowers - 3. I didn't know it'd be this simple. Get your daily stats via https://t.co/yDnfCwngta.; null

Task 4:

The task here was to send the recommendations to phone through socket connection.

The following steps were performed to accomplish the task.

- 5. Create a socket server at Android phone side.
- 6. Create a client socket for the recommendation process that provides recommendations.
- 7. Send the recommendations as string over the socket from the client to the server.
- 8. Display the received string on the UI and the Android client end.

