**Assignment 5 (Part II)**

**Databricks notebook URL:** <https://databricks-prod-cloudfront.cloud.databricks.com/public/4027ec902e239c93eaaa8714f173bcfc/3952628211974423/2271007276983372/601065748810075/latest.html>

Please generate twitter keys to run the notebook.

We have used tweetsentimentapi on mashape market to perform sentimental analysis in the tweets. The API key for this is hardcoded in the notebook.

When running the notebook multiple times for interval analysis you would need to uncomment and execute the following lines for each interval:

//To delete downloaded tweets data, please uncomment and execute the next line

dbutils.fs.rm(path, true)

// To delete downloaded sentiments data, please uncomment and execute the next line

dbutils.fs.rm("file:///tmp/sparksummit2016/sentiment", true)

|  |  |  |  |
| --- | --- | --- | --- |
| **Time Interval** | **Average Sentiment** | **Positive** | **Negative** |
| 04/09/2017 14:49 | 3.947 | 28 | 10 |
| 04/09/2017 16:31 | 4.024 | 37 | 12 |
| 04/09/2017 18:20 | 4.037 | 41 | 13 |
| 04/09/2017 20:13 | 3.926 | 30 | 11 |
| 4/11/2017 19:32 | 3.698 | 56 | 27 |
| 4/11/2017 19:40 | 3.745 | 35 | 16 |
| 4/11/2017 19:46 | 3.360 | 36 | 25 |
| 4/11/2017 19:52 | 2.803 | 23 | 28 |
| 4/11/2017 20:00 | 3.585 | 53 | 29 |
| 4/11/2017 20:05 | 3.642 | 37 | 19 |