CS 6350

ASSIGNMENT 3

Names of students in your group:

**Rajarshi Chattopadhyay**

Number of free late days used: \_\_\_\_\_\_0\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
Note: You are allowed a **total** of 4 free late days for the **entire semester**. You can use at most 2 for each assignment. After that, there will be a penalty of 10% for each late day.

Please list clearly all the sources/references that you have used in this assignment.

Spark-Scala: <https://spark.apache.org/docs/2.4.0/api/scala/#package>

Spark ML: <https://spark.apache.org/docs/latest/ml-guide.html>

Stanford CoreNLP: <https://stanfordnlp.github.io/CoreNLP/>

Kibana: [https://www.elastic.co/webinars/getting-started-kibana](https://www.elastic.co/webinars/getting-started-kibana?elektra=home&amp&storm=sub1)

LogStash: <https://www.elastic.co/webinars/getting-started-logstash>

ElasticSearch: <https://www.elastic.co/webinars/getting-started-elasticsearch>

Twitter Streaming: <https://github.com/apache/bahir/tree/master/streaming-twitter/>