**These are command used to run in project:**

**Command to run HBase**

Check service:

sudo service --status-all;

Start hbase services:

sudo service hbase-master start;

sudo service hbase-regionserver start;

Start HBase shell command:

hbase shell

Create table:

create "TwitterTable", "HashTag", "Count"

Check data in table:

scan "TwitterTable"

**Command to run Kafka**

Navigate Kafka folder:

cd /usr/lib/kafka/bin

Open producer:

./kafka-console-producer.sh --broker-list localhost:9092 --topic twitter\_input

Open consumer:

./kafka-console-consumer.sh --zookeeper localhost:2181 -topic twitter\_input --from-beginning

**Command to run Spark Streaming:**

spark-submit --jars spark-streaming\_2.10,spark-streaming-kafka-0-10\_2.10,kafka-clients,spark-sql-kafka-0-10\_2.10,spark-streaming-kafka-0-10-assembly\_2.10 --class cs523.SparkStreamingProject.TwitterSpark <file:///home/cloudera/workspace_scala/SparkStreamingProject/target/SparkProject-0.0.1-SNAPSHOT.jar>

(Notes: still getting errors when running spark-submit)