## Sentiment Analysis Untitled Un

```
FINISHED ▷ 光 圓 ��
 import org.apache.spark.sql.functions._
 import org.apache.spark.streaming._
 import org.apache.spark.streaming.twitter._
 import org.apache.spark.storage.StorageLevel
 import scala.io.Source
 import scala.collection.mutable.HashMap
 import java.io.File
 import org.apache.log4j.Logger
 import org.apache.log4j.Level
import sys.process.stringSeqToProcess
import org.apache.spark.sql.functions._
import org.apache.spark.streaming._
import org.apache.spark.streaming.twitter._
import org.apache.spark.storage.StorageLevel
import scala.io.Source
import scala.collection.mutable.HashMap
import java.io.File
import org.apache.log4j.Logger
import org.apache.log4j.Level
import sys.process.stringSeqToProcess
Took 7 sec. Last updated by anonymous at January 26 2017, 6:56:47 PM.
```

```
def configureTwitterCredentials(apiKey: String, apiSecret: String, accessToken: String, acce
          val configs = new HashMap[String, String] ++= Seq(
                 "apiKey" ->"pqykjUmsa3coGNlrf2XsllDTO", "apiSecret" ->" UjPSfr7cx4LUsu0ndNYSrf6RxEBYlYfJW.
   OklrCwBWXlGZs8", "accessTokenSecret" ->"HoLrzNGDuvlzUEhAEXRKPjBbzybmSETJBUKIteKFBrsGA")
          println("Configuring Twitter OAuth")
          configs.foreach{ case(key, value) =>
                 if (value.trim.isEmpty) {
                       throw new Exception("Error setting authentication - value for " + key + " not set")
                val fullKey = "twitter4j.oauth." + key.replace("api", "consumer")
                System.setProperty(fullKey, value.trim)
                println("\tProperty " + fullKey + " set as [" + value.trim + "]")
         }
          println()
configureTwitterCredentials: (apiKey: String, apiSecret: String, accessToken: String, accessTo
kenSecret: String)Unit
Took 6 sec. Last updated by anonymous at January 26 2017, 6:56:49 PM.
```

```
apiKey: String = pqykjUmsa3coGNlrf2XsllDT0
```

Senting = Uirsfrzext Usu0ndNYSrf6RxEBYLYfJWJYSYcqKFKIXeVshLj

Chitch the Line of Line

Configuring Twitter OAuth

Property twitter4j.oauth.consumerKey set as [paykjUmsa3coGNlrf2XsllDT0]

Sentiment AinatySis.accessionells # 個 本2個54248227442689-a7BjND0n極2數kaisakisakit •
wBWXlGZs8]

Property twitter4j.oauth.consumerSecret set as [UjPSfr7cx4LUsu0ndNYSrf6RxEBYlYfJWJYSYcqKFKIXeVshLj]

Property twitter4j.oauth.accessTokenSecret set as [HoLrzNGDuvlzUEhAEXRKPjBbzybmSETJBUK IteKFBrsGA]

Took 4 sec. Last updated by anonymous at January 26 2017, 6:57:01 PM.

```
ERROR ▷ 牂 圓 墩
import org.apache.spark.sal.DataFrame
 import org.apache.spark.sal.SOLContext
 import org.apache.spark.streaming.twitter._
 val ssc = new StreamingContext(sc, Seconds(2))
val tweets = TwitterUtils.createStream(ssc, None)
 val twt = tweets.window(Seconds(3600))
 import sqlContext.implicits._
 case class Tweet(createdAt:Long, text:String)
 twt.map(status=>
   Tweet(status.getCreatedAt().getTime()/1000, status.getText())
 ).foreachRDD(rdd=>
   // Below line works only in spark 1.3.0.
  // For spark 1.1.x and spark 1.2.x,
  // use rdd.registerTempTable("tweets") instead.
   rdd.toDF().registerTempTable("tweets")
)
twt.print
ssc.start()
                                                                                             ļ
Time: 1485475814000 ms
```

StatusJSONImpl{createdAt=Thu Jan 26 19:09:13 EST 2017, id=824771205961904128, text='RT @Asecon

day\_0502: 170126 ORD @BamBam1A

#BamBam #뱀뱀 #GOT7 #갓세븐

Looks delicious https://t.co/wYByv9HxkX', source='<a href="http://twitter.com/download/android" rel="nofollow">Twitter for Android</a>', isTruncated=false, inReplyToStatusId=-1, inReplyToUserId=-1, isFavorited=false, isRetweeted=false, favoriteCount=0, inReplyToScreenName='null', geoLocation=null, place=null, retweetCount=0, isPossiblySensitive=false, lang='en', contributorsIDs=[], retweetedStatus=StatusJSONImpl{createdAt=Thu Jan 26 16:56:30 EST 2017, id=824737 807029649413, text='170126 ORD @BamBam1A

#BamBam #뱀뱀 #GOT7 #갓세븐

Looks delicious https://t.co/wYByv9HxkX', source='<a href="http://twitter.com/download/ipho ne" rel="nofollow">Twitter for iPhone</a>', isTruncated=false, inReplyToStatusId=-1, inReplyTo UserId=-1, isFavorited=false, isRetweeted=false, favoriteCount=678, inReplyToScreenName='null', geoLocation=null, place=null, retweetCount=1416, isPossiblySensitive=false, lang='en', con tributorsTDs=F3 retweetedStatus=null userMentionEntities=FUserMentionEntity(SONTmn)Sname='Ra

Took 12 sec. Last updated by anonymous at January 26 2017, 7:10:13 PM.

%sql select \* from tweets where text like '%girl%' limit 10



Sentiment	#Meanardn airl sewirt	pornosiar ajataba	ase foto-video	epony https:/	//t.co/v7ORcyFQ6	V
Sentiment	Ariarysis			_ n		'default <del>▼</del>
	•					

1,485,475,761	RT @LaurenJauregui: Mah girl @jillboard interviewed me for her amazzzzing podcast theb				
1,485,475,763	RT @awecouples: I promise every girl loves the feeling of being off to the world by her ma				
1,485,475,771	RT @girlposts: I NEED THIS https://t.co/0AIDueJTdw				
1,485,475,779	RT @girlposts: I LOVE THIS https://t.co/yxf64F6rvi				
1,485,475,779	RT @adennis318:and Brock Turner was in jail for 3 MONTHS for raping a girl. If you are				
1,485,475,780	Blank Card, wife, mum, friend, sister, daughter, girlfriend, for her https://t.co/mC9bjGyc4				
1,485,475,781	RT @girlposts: Me: Sorry, can't go out tonight, I have so much to do				

<sup>\*</sup>takes quiz to see what kind of pizza I am\* https://t.co/7u53DnNtzg1485475782 RT @girlposts: I NEED THIS https://t.co/0AIDueJTdw1485475783 Guys who go after girls who are in relationship are fucking stupid

Took 1 sec. Last updated by anonymous at January 26 2017, 7:10:22 PM.

『%sql select createdAt, count(1) from tweets group by createdAt order by createdAt ○ 炭 目 ♡



## createdAt

1,485,475,767

1,485,475,768

1,485,475,769

1,485,475,770

1,485,475,771

1,485,475,772

1,485,475,773

1,485,475,774

1.485.475.775

Took 3 sec. Last updated by anonymous at January 26 2017, 7:10:32 PM.

```
def sentiment(s:String) : String = {
	val positive = Array("like", "love", "good", "great", "happy", "cool", "the", "one", "thatval negative = Array("hate", "bad", "stupid", "is")
```

```
var st = 0;
     val words = s.split(" ")
     positive.foreach(p =>
         words.foreach(w =>
              if(p==w) st = st+1
         )
     )
     negative.foreach(p=>
         words.foreach(w=>
              if(p==w) st = st-1
         )
     if(st>0)
         "positivie"
     else if(st<0)
         "negative"
     else
         "neutral"
 }
// Below line works only in spark 1.3.0.
 // For spark 1.1.x and spark 1.2.x,
 // use sqlc.registerFunction("sentiment", sentiment _) instead.
sqlc.udf.register("sentiment", sentiment _)
sentiment: (s: String)String
res43: org.apache.spark.sql.expressions.UserDefinedFunction = UserDefinedFunction(<function1>,
StringType,Some(List(StringType)))
Took 4 sec. Last updated by anonymous at January 26 2017, 7:10:46 PM.
```

Took 2 sec. Last updated by anonymous at January 26 2017, 7:12:33 PM.

READY ▷ 光 圓 ۞