Example usage and output:

Initial run of TweetTrunk without any parameters prints usage:

```
weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar
Usage: <main class> [options]
  Options:
    -addArchive
        Add Tweets from a Twitter zip archive in the specified
location.
    -analysis
        Analyze the tweets stored in the database. Valid
        analyses:
     match:
        Return all Tweets matching a pattern provided by -pattern.
     dateRange:
        Return all Tweets between two dates (-startDate and
        -endDate).
     hashtagCloud:
        Display a word cloud of hashtags used in your Tweets.
     geolocations:
        Display an
        analysis of geolocations associated with your Tweets.
     hourlyTweetRate:
        Display information about what times you tweet most often.
    -authenticate
        Authenticate TweetTrunk to access your Twitter account.
        Default: false
    -deleteAccount
        Clears database and removes authentication information.
        Default: false
    -endDate
        Provide only Tweets older than a certain date (default: now).
        Default: 3000-01-01 00:00:00
    -fetchNewTweets
        Download new Tweets from online and add them to the database.
        Default: false
    -pattern
        Provide only Tweets that match a given pattern (default:
none).
        Default: <empty string>
    -resetAccount
        Removes any imported tweets.
        Default: false
    -startDate
        Provide only Tweets newer than a certain date (default: 0000-
```

01-01).
      Default: 0000-01-01 00:00:00

First step is to authenticate your twitter with TweetTrunk:

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar -authenticate

Enter the PIN and hit enter after you granted access. [PIN]:Created
new window in existing browser session.
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- See who you follow.

work with a user's Twitter archive. T
system provides both a Java interfac
and a Web int

Authorize app   **Cancel**

This application **will not be able to**:

- Follow new people.
- Update your profile.
- Post Tweets for you.
- Access your direct messages.
- See your Twitter password.

You can revoke access to any application at any time from the Applications tab of your Settings page.

By authorizing an application you continue to operate under Twitter's Terms of Service. In particular, some usage information will be shared back with Twitter. For more, see our Privacy Policy.

TweetTrunkApp ▾

You've granted access to TweetTrunk-Java!

Next, return to TweetTrunk-Java and enter this PIN to complete the authorization process:

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← Go to Twitter   Go to the TweetTrunk-Java homepage

You can revoke access to any application at any time from the Applications tab of your Settings page.

By authorizing an application you continue to operate under Twitter's Terms of Service. In particular, some usage information will be shared back with Twitter. For more, see our Privacy Policy.

Then you need to download your archive from twitter and then run TweetTrunk with the -addArchive flag:

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java -jar TweetTrunk.jar -addArchive tweets.zip

You can then fetch new tweets using twitter4j:

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java -jar TweetTrunk.jar -fetchNewTweets
Fetched 4 new tweets.

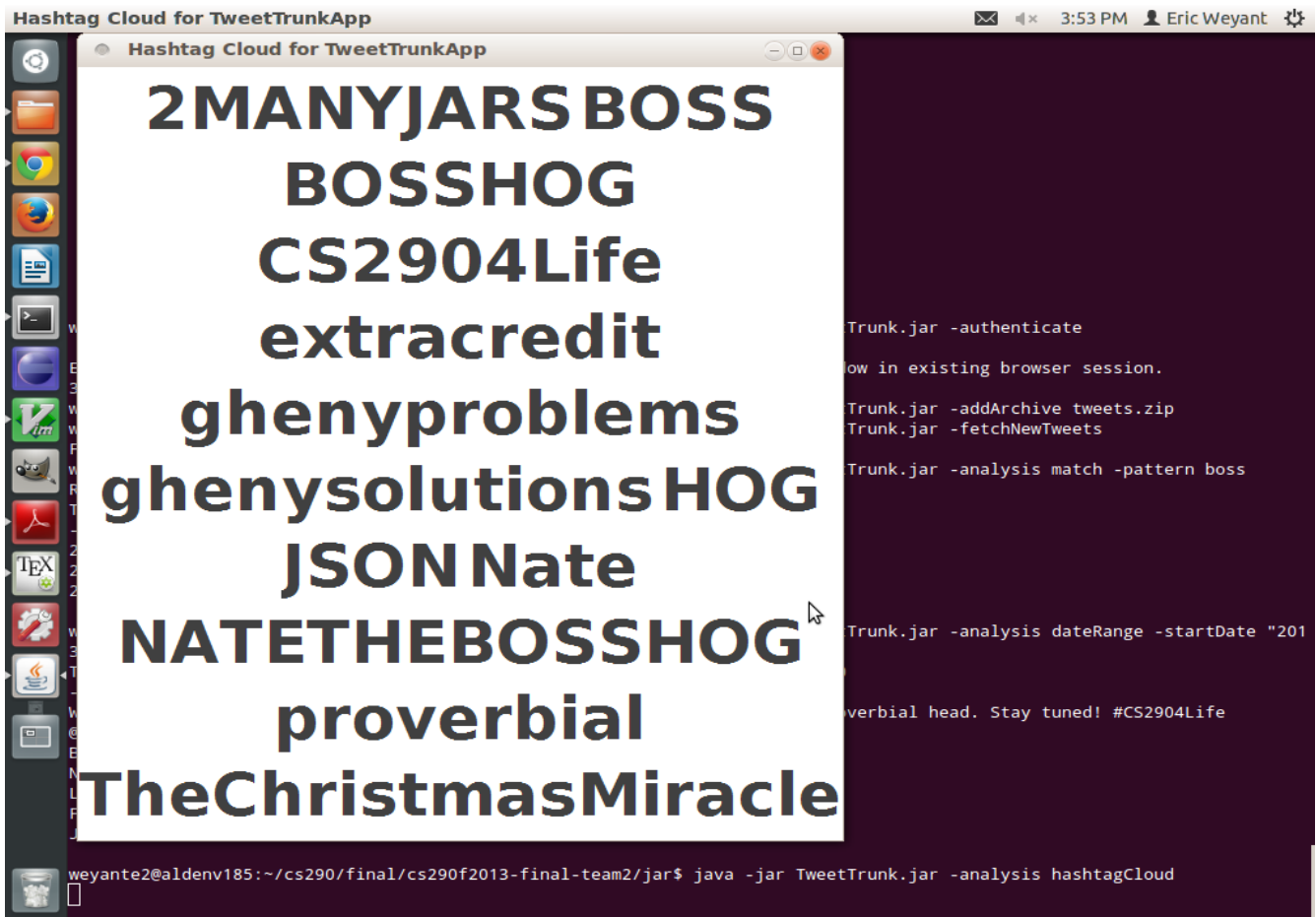Now you can begin using analysis tools; match, dateRange, hashtagCloud, geolocation, or hourlyTweetRate:

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java -jar TweetTrunk.jar -analysis match -pattern boss
Results for the phrase: boss
Tweet Date: Tweet Text:

2013-12-04 08:49:23 Wow. #Nate #BOSS #HOG #BOSSHOG
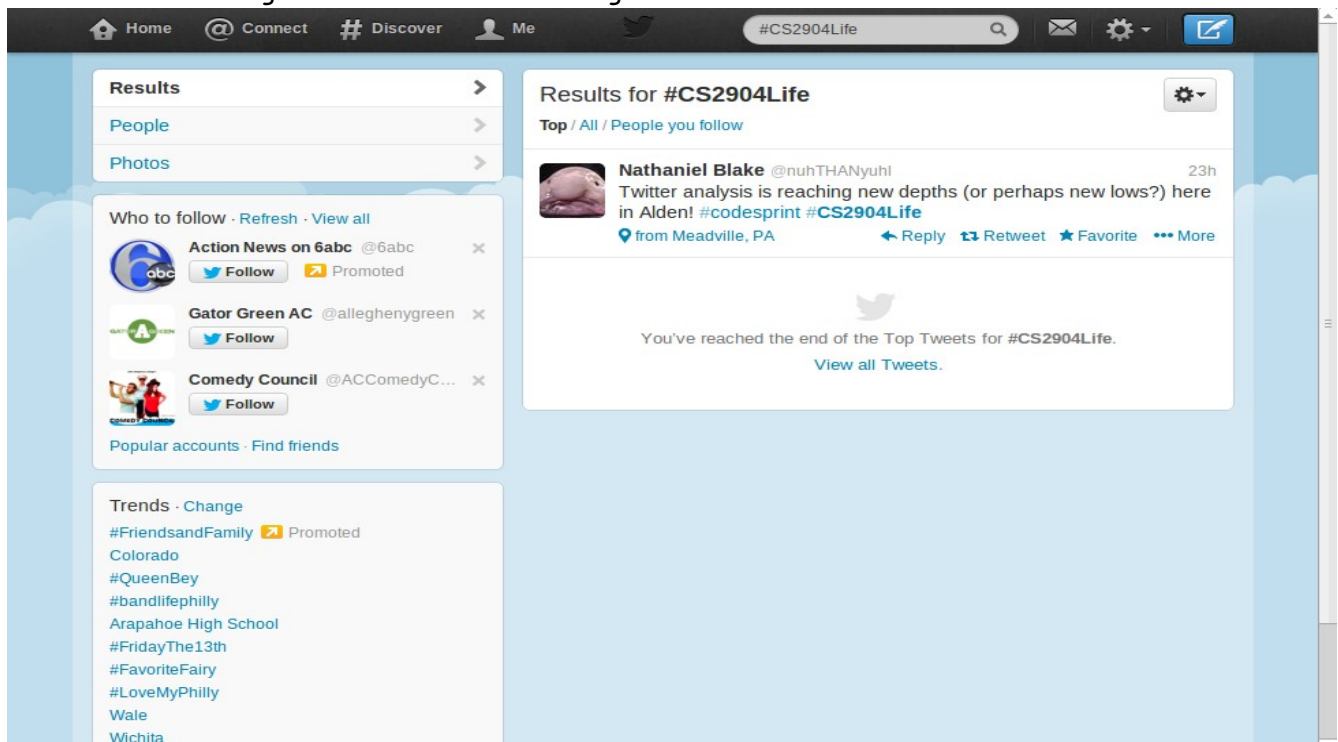2013-12-04 08:52:01 #NATETHEBOSSHOG
2013-12-04 20:15:19 @Dibyo13 WE BOSS HOG

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java -jar TweetTrunk.jar -analysis dateRange -startDate "2013-12-04 09:00:00" -endDate "2013-12-30 01:00:00"
The tweets between the dates of: 2013-12-04 09:00:00 and 2013-12-30 01:00:00

We're just ten minutes from turning the Twitter Analytics market on its #proverbial head. Stay tuned! #CS2904Life
@Dibyo13 WE BOSS HOG
Big day before the project is due!
New tweet.
Logo is finished! http://t.co/Yz3FhMX5uj
Final test.
Jk

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java -jar TweetTrunk.jar -analysis hashtagCloud
Created new window in existing browser session.

After clicking on CS2904Life tag:

```
weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar -analysis geolocations
Coords of Tweets between: 0000-01-01 00:00:00 - 3000-01-01 00:00:00
-----------------------------------------------------------
41.6504421,-80.1443244
41.6504435,-80.1443084
41.6490856,-80.1444458

weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar -analysis hourlyTweetRate
Time Tweets
7 p.m.     1
8 p.m.     0
9 p.m.     0
10 p.m.    0
11 p.m.    0
12 a.m.    0
1 a.m.     1
2 a.m.     1
3 a.m.     3
4 a.m.     0
5 a.m.     0
6 a.m.     0
7 a.m.     0
8 a.m.     0
9 a.m.     0
10 a.m.    2
11 a.m.    0
12 p.m.    1
1 p.m.     0
2 p.m.     1
3 p.m.     1
4 p.m.     1
5 p.m.     0
6 p.m.     0
```

You can then either choose to -resetAccount and remove all imported
tweets but maintain authentication:

```
weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar -resetAccount
Removing imported Tweets.
```

Or use -deleteAccount to remove all tweets and authentication info:

```
weyante2@aldenv185:~/cs290/final/cs290f2013-final-team2/jar$ java
-jar TweetTrunk.jar -deleteAccount
Deleting imported Tweets and account details.
```