# Battle over Scientology - Twitter Followers

By Mike Scheibel

**Data set source:**

Not sure why I decided this but wanted to see if those followers of Scientology on Twitter differed from those who appose Scientology. And after some research I found that Actress Leah Remini from King of Queens was once a Scientologist and now pools all her energy into opposing the religion. She even has a Netfilx show “Scientology and the Aftermath” which I have not seen, but it did win an Emmy. Anyways she seems to be the strongest opposing force to Scientology that I could find. So the Data set is two text files containing those who follow @Scientology and those who follow @LeahRemini on Twitter.

**Data set description:**

The data was scraped from Twitter using Tweepy and code I used for the Twitter API exercise. I then wrote the data to a two text files named ` LeahRemini\_followers.txt` and ` Scientology\_followers.txt`. I collected the following data from the followers of each handle: screen\_name, name, id, location, friends\_count and description. I think the limitations for the data was I didn’t pull enough of it. I would continue to pull all of the followers if I were to answer more questions about this data

**Descriptive statistics:**

Leah Remini:

Tokens: 590

Average Token Length: 6.16

Lexical Diversity: 0.88

Top 10 words: living, life, love, like, state, san, tx, ca, usa, colorado

I might want to go back it the cleaning code and remove states from the descriptions so I could get better words for those last 4.

Scientology:

Tokens: 533

Average Token Length: 6.26

Lexical Diversity: 0.87

Top 10 words: love, usa, name, god, Jonathan, like, jesus, nc, england, opheliaevermore

I might have to figure out if Jonathan is anyone, and maybe also remove states, but it is interesting that usa was second most used word.

**Interesting questions:**

What is the location of the followers of both accounts?

Are there any celebrity followers for either side?

Is there a difference word choice between the two groups?

Who on either side has more friends? Also which followers have more followers?

Is there possibly a follower of both?

What are the other interests of followers from both and are there any similarities?

**Approach for a single question:**

What are the other interests of followers from both and are there any similarities?

I would use some text pattern techniques to find common words form both accounts like “Love” with is a top word for both. Also another part to this question would be if those who follow Scientology are into the same things as the other followers. So I could look at the description of these followers and possibly filter out verbs and nouns using Parts of Speech and parsing.