

Islamophobic Sentiment in the US Population

An in-depth analysis of Twitter sentiment
towards Muslims

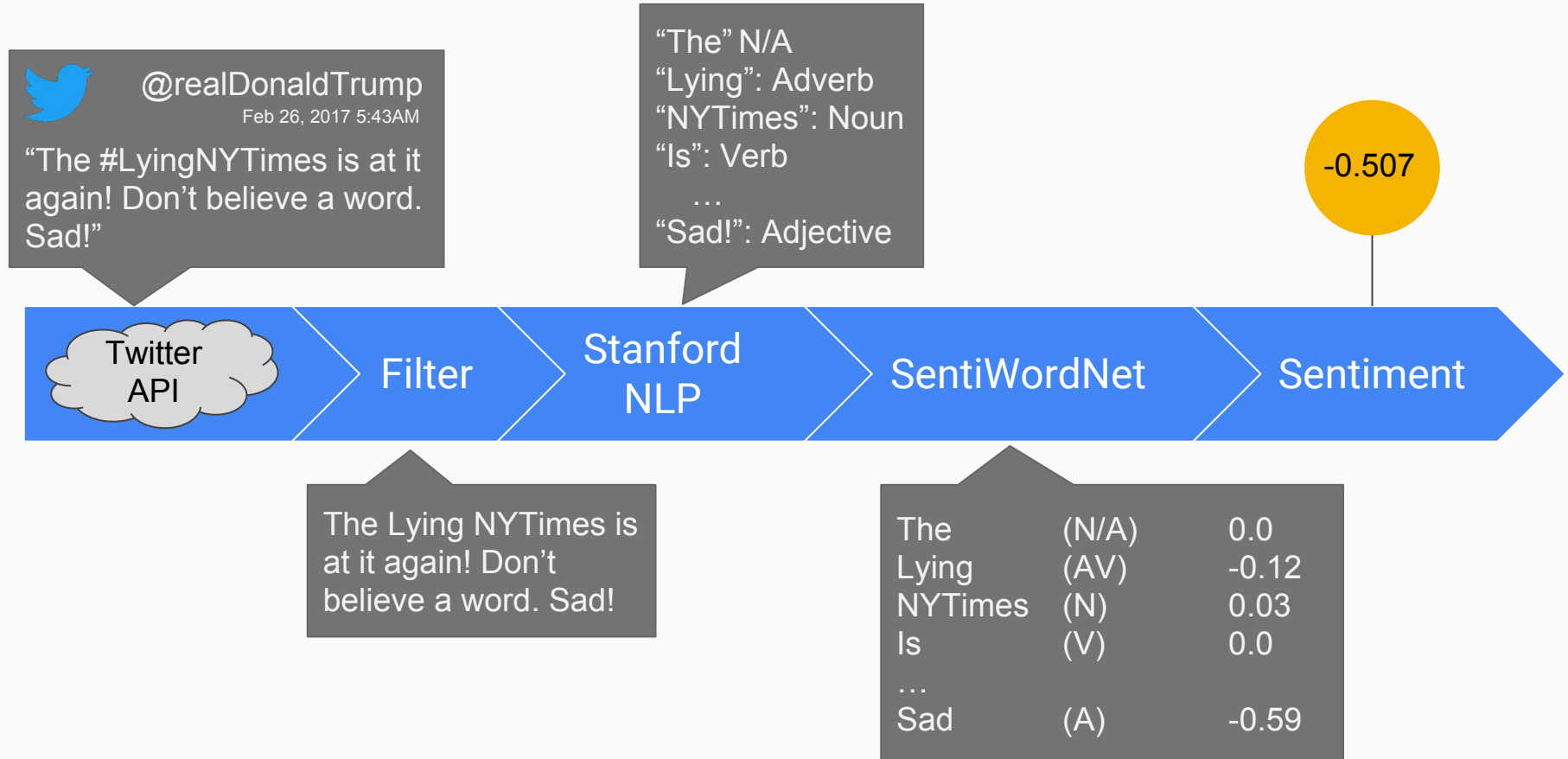
Areas of Interest

1. How has Twitter sentiment towards Muslims and Islam changed over the past few years?
2. Is there a relationship between interaction (favorites and retweets) and the sentiment of a Tweet?
3. What effect does a terroristic attack have on tweet sentiment?

2,000 LoC

2,218,884 Tweets

Twitter Sentiment Analysis



Search Criteria

- Batches of 1,000 tweets
- 2-day time range
- Continental United States
- English
- Query
 - “Muslim” or “Islam”
- Feed Type
 - More on this later

Difficulties

Things are never as easy as they
should be

Magnitude of Data

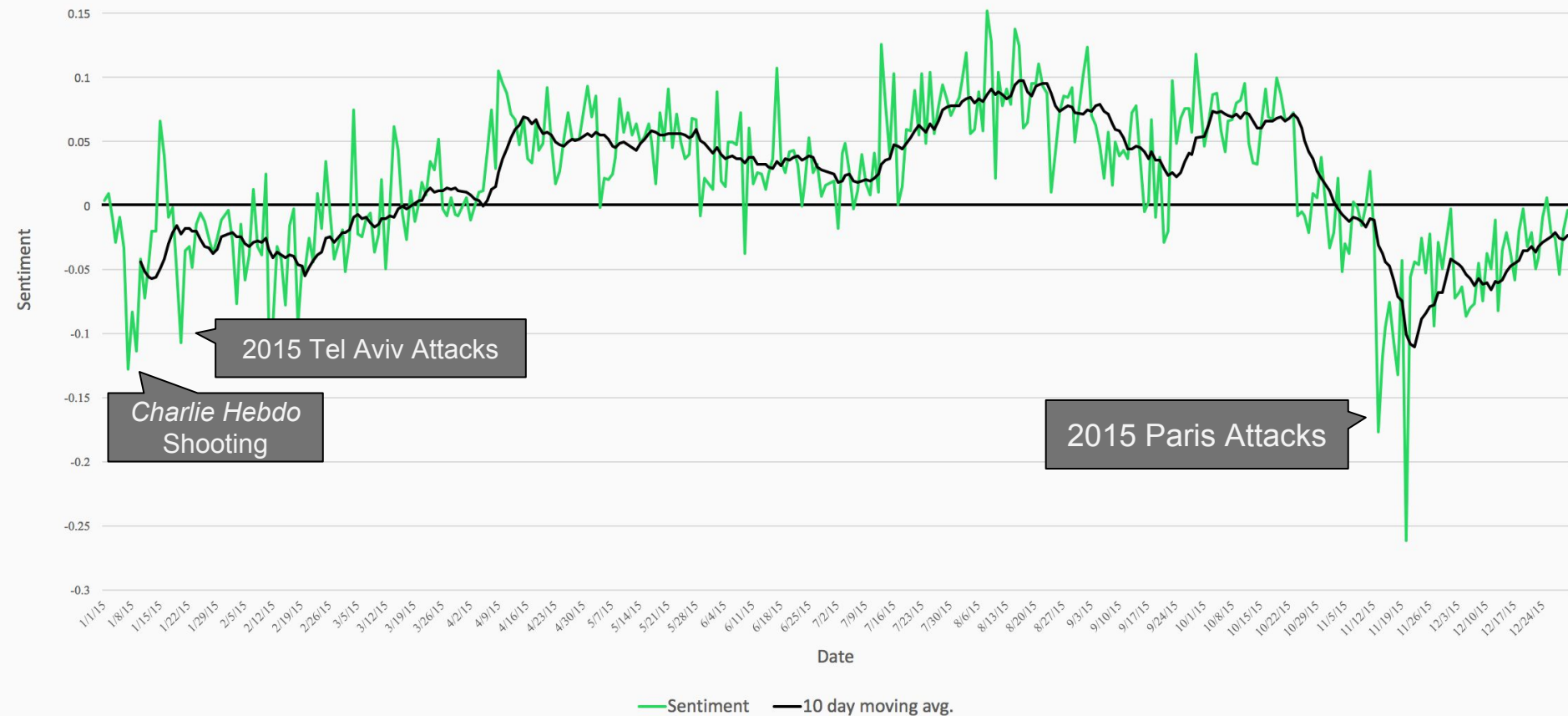
Geolocation

Language

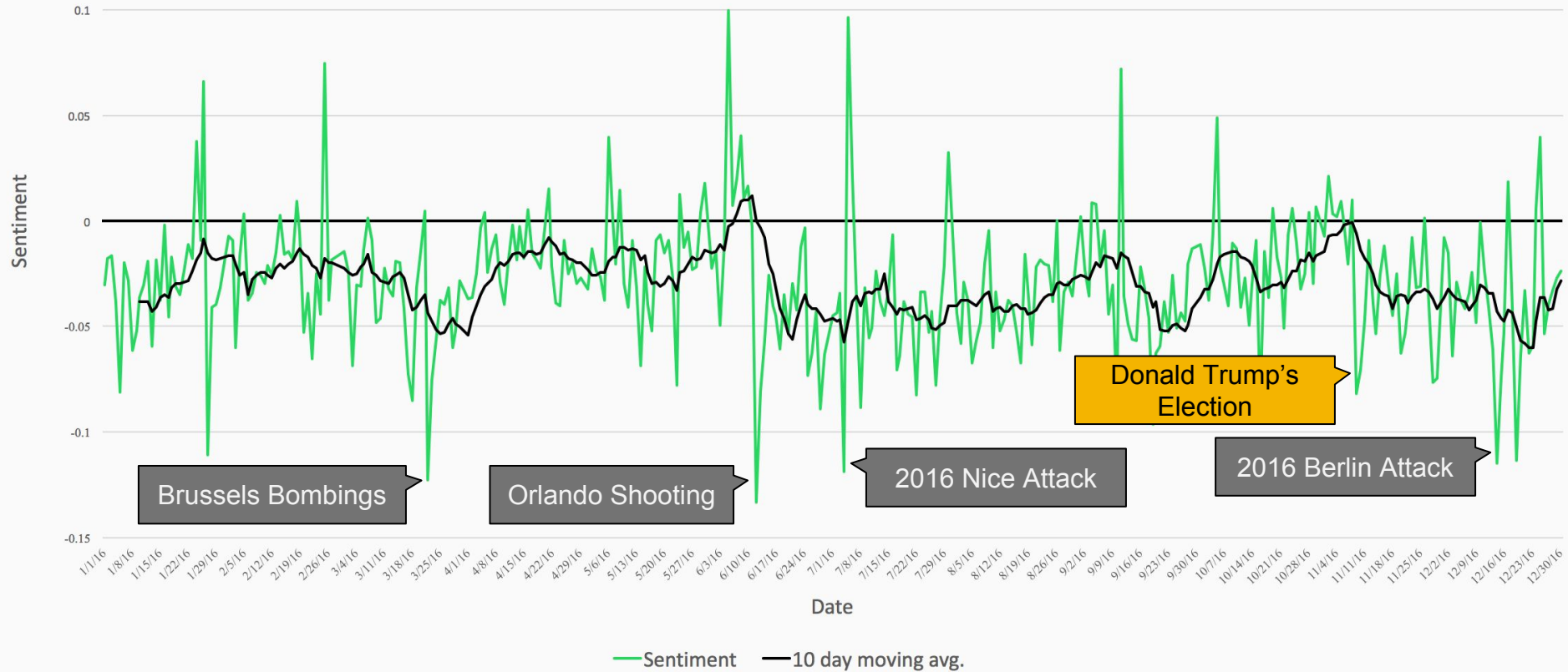
Sarcasm

Spelling

2015 Date vs. "Muslim" or "Islam" Tweet Sentiment



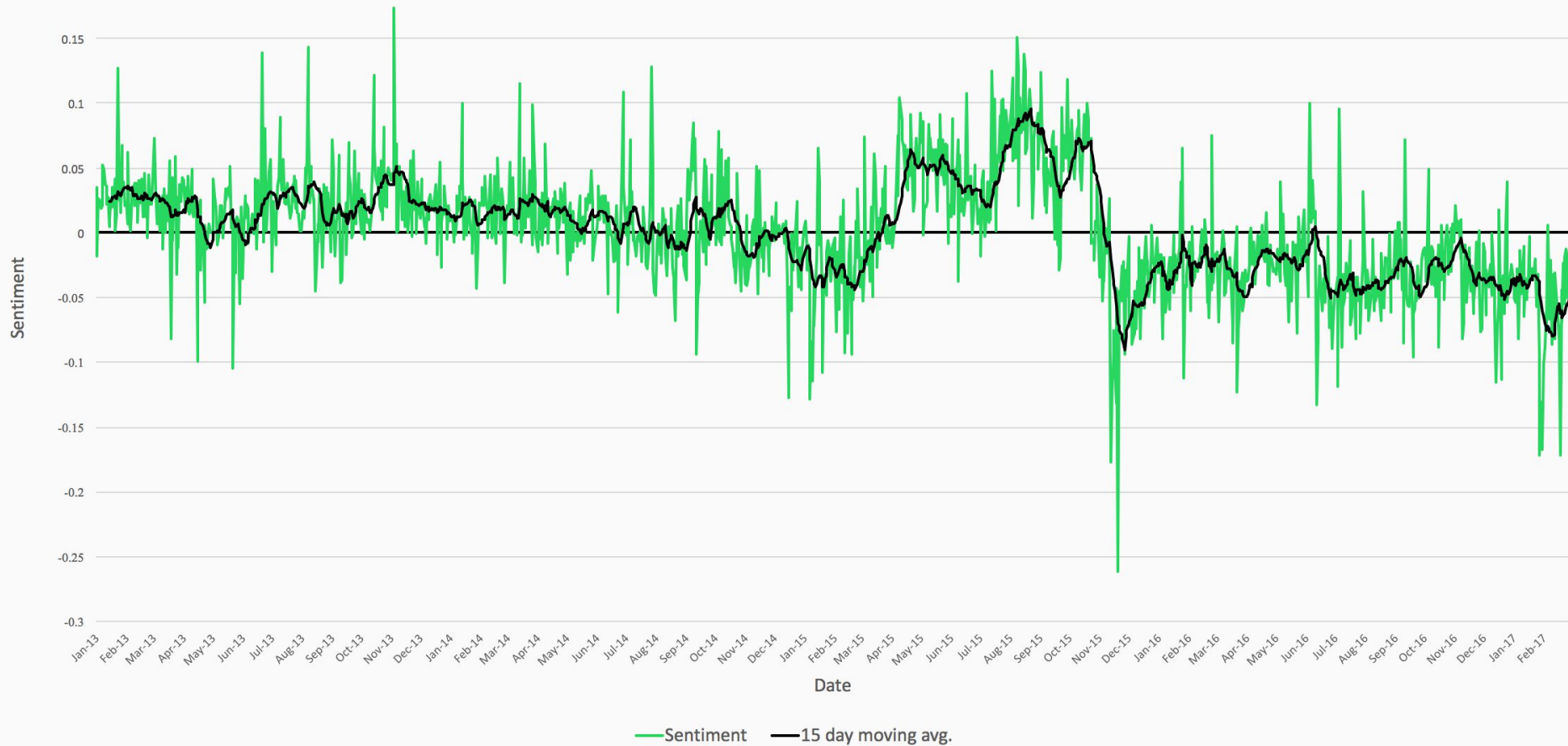
2016 Date vs. "Muslim" or "Islam" Tweet Sentiment



2017 Date vs. "Muslim" or "Islam" Tweet Sentiment

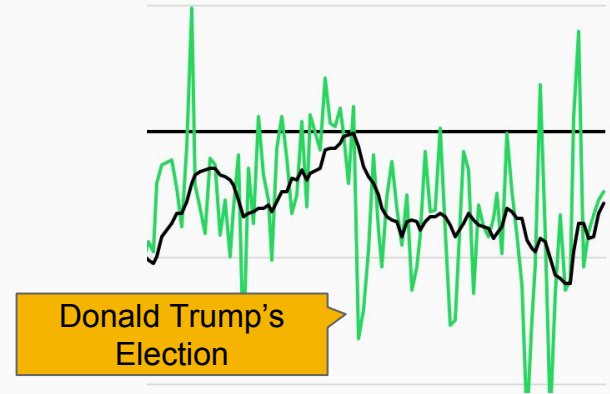


2013-2017 Date vs. "Muslim" or "Islam" Tweet Sentiment

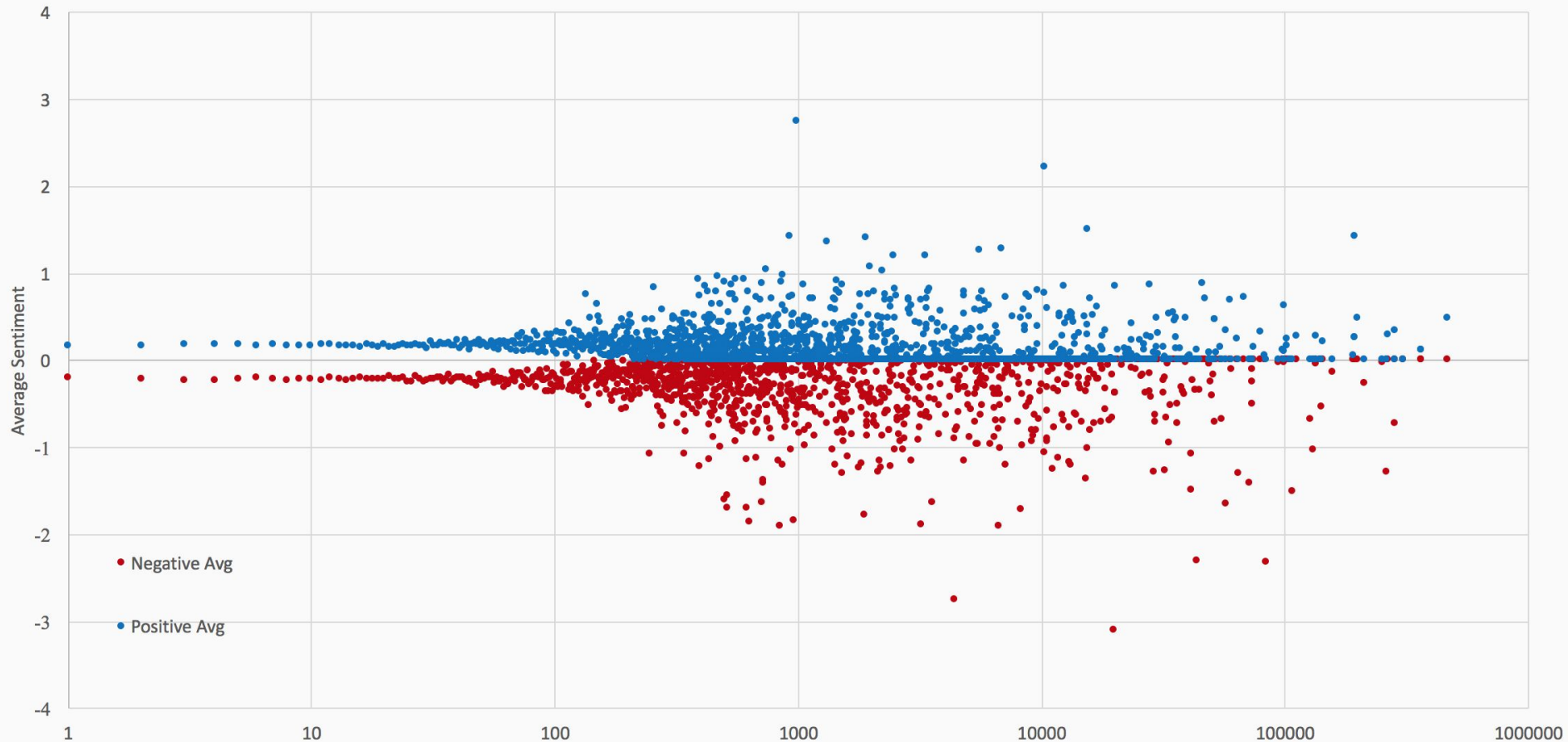


Analysis

- Noticeable trend in sentiment
- Visible changes due to terrorist attacks
- Effect of Donald Trump's Election
- Worrying trend for 2017
- Below neutral since 2015 Paris attacks
- Popular tweets are more divisive



Interaction vs. Average Sentiment



Works Cited

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@tweetomatic

Mar 1, 2017 1:55AM

"Tweetomatic source code available at <https://github.com/rfrowe/tweetomatic>. Sad!"