

A black and white photograph of a large, diverse crowd of people at a protest or rally. Many individuals are holding up handmade signs with various messages. Some visible signs include "WE KNEW THIS", "WE KNEW THIS TOO", "WE KNEW THIS TOO", "EQUALITY FOR ALL", "LGBTQ+", "Ne cede males", "Sed contra audent", "Vergil Aeneid", "Don't yield to monsters", "NOT MY PRESIDENT", "THIS PUSY", "ACK", "HILL", "BUILD", and "OT". The crowd is dense, and the atmosphere appears to be one of solidarity and activism. The text "#RESIST" is overlaid in large, white, bold letters across the center of the image.

#RESIST

Lorena De La Parra Landa

#resist



#resist

Can we learn about
the Resist
Movement by
analyzing #resist?

—

Project Process

216,382 Tweets

68,258 Original Tweets

2 Findings

Collect
Data

Clean
Data

Explore
Data

Topic
Modeling

Sentiment
Analysis

Word2vec

Conclusions &
Limitations

Twitter API
AWS
MongoDB
Python

CountVectorizer

TFIDF

LDA

NMF

TextBlob

PCA

TSNE

Word2vec

D3
Flask
HTML

Topic Modeling = TFIDF + NMF



Resist

...resist , realdonaldtrump,
persist, trump, resistance,
impeachtrump,
freedomofthepress...



Russia

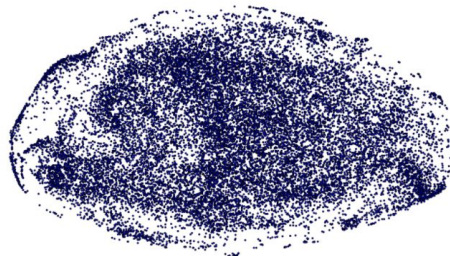
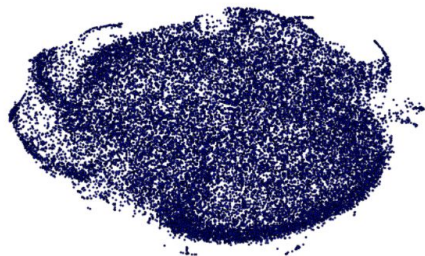
...theresistance,
trumprussia, russiagate,
resist...



Follow Friday

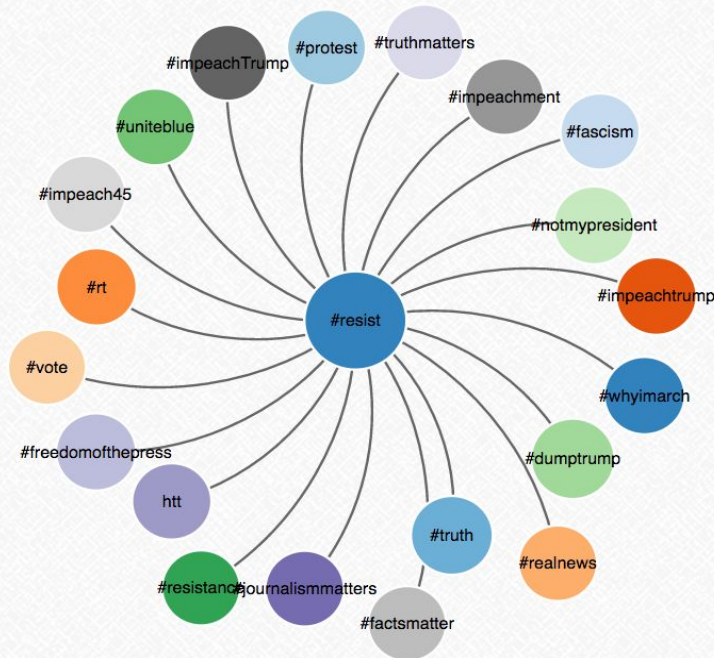
...fighting, resist, humbled,
amp, grateful, followed,
followfriday...

Word2vec + PCA + TSNE



Word2vec

- #resist
- Trump
- Hillary
- @nytimes



Conclusions

**We CAN learn about the
Resist Movement by
analyzing #resist:

Trending Topics

Word Associations**

Future Steps

- More tweets!
- Sentiment analysis
- Connect people
- Tweets in other languages



Thank you!