Fighting Bad Guys
With data science!
Anti-Nig #WR
@CrackerOfWhips
southern, love my race, fuck all who oppose

Desert Heat
@ArizonaMark1488
White Nationalist

Klansman
@KlanKalifornia
White Nationalist. Segregationist. Racial Realist. If you don't like what I post, then don't follow me.. #ORION #14WORDS #WhitePower
Level 1

Level 2

1.3m

28,000

100

Anti-Nig #WR
@CrackerOfWhips
southern, love my race, fuck all who oppose

Desert Heat
@ArizonaMark1488
White Nationalist
Lynch the Obamas and lynch the Clintons on national television. Retweet if you agree upon this with me.. #FuckObama #FuckClinton
Very conservative

White nationalist
So what do Nazis talk about on the internet?
Hello, word vectors
Using Our Context Clues

[The king walks] down the street...

[That man seems] to enjoy golf...

[The woman enjoyed] a healthy debate...

[The queen made] a rude joke...
We Assign Properties to Words

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Plot Those Vectors
(and measure cosine distance between them)

credit: Standford NLP Group
Most Similar to “Jewish” in Google News word2vec Model
Most Similar to “Jewish” in Alt-Right word2vec Model

- Zionist: 0.7
- Communist: 0.65
- Homosexual: 0.62
- Leftist: 0.61
- Anti-white: 0.60
- Liberal: 0.59
- Satanic: 0.58
Conservative Twitter’s Similarity to Alt-Right Reality Over Time

TL;DR
Between April and July, conservative Twitter’s use of the word Jewish became increasingly similar to that of the alt-right.
TL;DR

Between January and November, Trump supporters’ use of the word Jewish became increasingly similar to that of the alt-right.
Breitbart is “the platform of the alt-right”
- Steve Bannon
Former Breitbart Editor in Chief
Trump Campaign CEO
New White House Chief Strategist
Breitbart Commenters Similarity to Alt-Right Reality Over Time

TL;DR
Between January 2014 and November 2016, Breitbart commenter’s use of the word Jewish became increasingly similar to that of the alt-right.
So wait, Nazis are taking over the internet?
But wait, there’s Russia.
Sockpuppets & bots.
Overlap of Top 1% Most Novel Words in Alt-Right Twitter, Trump's Facebook Page, and Breitbart Comments

Count of Novel Words Appearing in All Communities

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Buy Google Accounts
Buy Twitter Accounts
Buy Hotmail Accounts
Buy Google Voice Accounts
Buy Facebook Accounts

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News

07 May 2017
New Arrivals! POP3 and SMTP enabled Qip.ru accounts at just $60 per 1000!

25 Jan 2017
Fresh Reddit.com accounts were added.
Word Frequency Amongst Sockpuppets and Regular Users

- **criminal**: Sockpuppets = 0.012, Regular Users = 0.006
- **emails**: Sockpuppets = 0.009, Regular Users = 0.006
- **Hitlery**: Sockpuppets = 0.003, Regular Users = 0.001
So what?
Democracy Hacked
A Massive, Pro-Le Pen Disinformation Campaign Hits Twitter, 4chan, and the Mainstream Media
THE UNTHINKABLE IN PLAIN SIGHT!
Truth is **consensus**

(For more on this topic, check out Jürgen Habermas’ seminal work, *Theory of Communicative Action*)
Anti-Vaxxers are Using Twitter

credit: Gilad Lotan/Renee Diresta, Anti-Vaxxers are Using Twitter
“Hillary Clinton greeted with ‘American hero’ sign at the end of her street on Thanksgiving”

- THE INDEPENDENT
“Hillary Clinton pizzagate child trafficking pedophilia scandal”
- INFOWARS
Polarization about hot topic issues, like “abortion”
What should we do about it?

- Meet people in real life / get involved locally
- Defend our public discourse
- Pressure content, social media, and ad platforms
Thank you. Also, we’re hiring.

Thanks to the following open source projects:

gensim (word2vec, language modeling)
openCV (images, object recognition)
pandas (general data processing)
python-twitter, facepy (data acquisition)