

# Studying jerks on the Internet: A Data-Driven Approach

**Emiliano De Cristofaro**

(Thanks to Jeremy Blackburn and  
Savvas Zannettou for most of the slides)



**IDRAMA LAB**

# Outline

1. Hate on and “raids” from fringe communities like 4chan [ICWSM 2017]
2. Influence of fringe communities on misinformation [IMC 2017]
3. Misuse of Web archiving services [ICWSM 2018]

More work on online hate, cyberbullying, etc:

<https://encase.socialcomputing.eu/publications>



# WARNING

CONTENT IN THIS TALK IS  
*OFFENSIVE*  
AND *UNCENSORED*

# What is 4chan?



## **An image-board forum**

Organized in boards (70 at the moment)

## **An “original poster” (OP) creates a new thread by making a post**

Single image attached

## **Other users can reply:**

With or without images, possibly add references to previous posts, quote text, etc.



# What is 4chan?



Boards					filter ▼
<b><u>Japanese Culture</u></b>	<b><u>Interests</u></b>	<b><u>Creative</u></b>	<b><u>Other</u></b>	<b><u>Adult (NSFW)</u></b>	
Anime & Manga	Comics & Cartoons	Oekaki	Business & Finance	Sexy Beautiful Women	
Anime/Cute	Technology	Papercraft & Origami	Travel	Hardcore	
Anime/Wallpapers	Television & Film	Photography	Fitness	Handsome Men	
Mecha	Weapons	Food & Cooking	Paranormal	Hentai	
Cosplay & EGL	Auto	Artwork/Critique	Advice	Ecchi	
Cute/Male	Animals & Nature	Wallpapers/General	LGBT	Yuri	
Flash	Traditional Games	Literature	Pony	Hentai/Alternative	
Transportation	Sports	Music	Current News	Yaoi	
Otaku Culture	Alternative Sports	Fashion	Worksafe Requests	Torrents	
<b><u>Video Games</u></b>	Science & Math	3DCG	Very Important Posts	High Resolution	
Video Games	History & Humanities	Graphic Design	<b><u>Misc. (NSFW)</u></b>	Adult GIF	
Video Game Generals	International	Do-It-Yourself	Random	Adult Cartoons	
Pokémon	Outdoors	Worksafe GIF	ROBOT9001	Adult Requests	
Retro Games	Toys	Quests	Politically Incorrect		
			International/Random		
			Cams & Meetups		
			Shit 4chan Says		

# What is 4chan?

**A**

Anonymous (ID: 0jBLod1l) 09/11/16(Sun)22:27:40 No.88456696



HILLAREEEEEEE

115 KB JPG

>>88456696 #

Anonymous (ID: pRZ5QvTV) 09/11/16(Sun)22:31:21 No.88456696


>>88456217 #

Get this cuck outta here. He isn't a man of conviction and virility like Cruz. He's just a sad little man who slobbers the spit of Hillary's shoes. I love Trump but I respect people who have true beliefs and a moral compass and stand up for themselves.

>>88457099 #

**C**

Anonymous (ID: v3o8XuzJ) Clinton Gone = Trump's Worst N(...) 09/12/16(Mon)03:24:29 No.88491806



53 KB PNG

You faggots realize that Clinton being ill/dying isn't a good thing for Trump, right?

If she decides to drop out of the race then what? The Dems put up Kaine, Biden, or maybe even Sanders.

Then Trump gets BTFO in a landslide loss because the Dem's formerly utterly hated and untrustworthy candidate is gone and replaced by someone much more likable.

It's as if you're all actually shortsighted and retarded and you're not all pretending.

**B**

Anonymous (ID: EwOd/vsa) New World Order 09/12/16(Mon)06:49:28 No.88512762



If you could reorganize the world, what would you do?

433 KB PNG

Anonymous (ID: mwscH3IG) 09/12/16(Mon)07:02:57 No.88514002



>>88512762 (OP) #

Gas the Kikes, race war now.

1.41 MB PNG

>>88514099 # >>88514299 #

Anonymous (ID: 15q2UlcL) 09/12/16(Mon)07:03:58 No.88514099

>>88514002 #

First post tits post.

**D**

Anonymous (ID: t/Uz3YmZ) 09/09/16(Fri)07:25:20 No.88315716

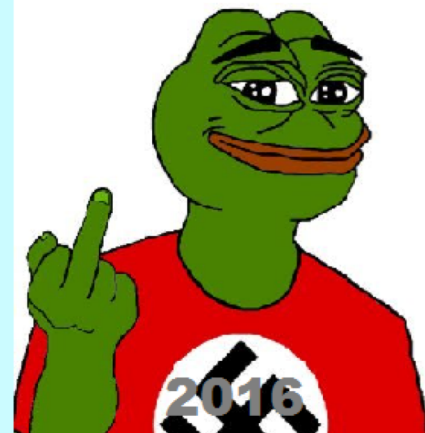


JKSLdd.jpg 64 KB JPG

This is a holy thread. Please pay respects to Kek and your post will be blessed.

He

I CAN HAS  
CHEEZBURGER?



**WHERE DID EVERYTHING  
GO SO REICH**

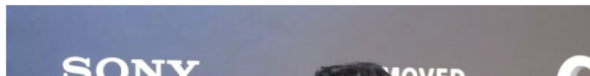


# Why Do We Care About 4Chan?

*“4chan is niche and irrelevant”* – Anonymous WWW’17 Reviewer

# How a racist, sexist hate mob forced Leslie Jones off Twitter

By Kristen V. Brown



Leslie Jones hack: Inside the alt-right's racist celebration of Jones' humiliation

**THE VERGE**

LONGFORM REVIEWS VIDEO TECH CIRCUIT BREAKER SCIENCE ENTERTAINMENT CARS TL;DR MO

APPLE US & WORLD CYBERSECURITY

## 4chan may have remotely wiped a Clinton official's iPhone and iPad

*Related: 4chan is the worst*

by Russell Brandom · @russellbrandom · Oct 13, 2016, 3:23p

SHARE TWEET LINKEDIN PIN

**VB**

**BUSINESS**

## French fear Putin and Trump followers are using 4chan to disrupt presidential election

CHRIS O'BRIEN @OBRIEN MAY 5, 2017 3:40 AM

#MediasNextTrumpLie:  
Inside 4chan's pro-Trump spam campaign to derail the media

TAYWARD YOUTH 3/24/16 3:10 PM



By Melanie Ehrenkranz  
October 14, 2016

GET MII  
DAILY:

## Who turned Microsoft's chatbot racist? Surprise, it was 4chan and 8chan

By Ethan Chiel

# /pol/ – Politically Incorrect Board

File: [sticky.jpg](#) (571 KB, 1600x1131)



☐ Welcome to /pol/ - Politically Incorrect

Anonymous (ID: [lv9eTFJC](#)) 01/08/15(Thu)23:40:44 No.40489590   
[Reply] ►

This board is for the discussion of news, world events, political issues, and other related topics.

Off-topic and /b/-tier threads will be deleted (and possibly earn you a ban, if you persist). Unless they are quality, well thought out, well written posts, the following are examples of off-topic and/or /b/-tier threads:

- >Red pill me on X. (with no extra content or input of your own)
- >Are X white?
- >Is X degeneracy?
- >How come X girls love Y guys so much?
- >If X is true, then how come Y? Checkmate Z.

The variety of threads allowed here are very flexible and we believe in freedom of speech, but we expect a high level of discourse befitting of the board. Attempts to disrupt the board will not be tolerated, nor will calls to disrupt other boards and sites.

# /pol/ – Politically Incorrect Board



***Extremely*** lax moderation

Volunteer “janitors” as well as “admins”

*Almost anything goes*



# In This Talk: Challenges of Measuring 4chan

1. Not your typical social network (anonymous/ephemeral)
2. Their actions not limited to 4chan, need to look at other platforms to measure their impact
3. Knowing what they're talking about is not easy
4. You get raided
5. You might get “redpilled”



# Anonymity & Ephemerality

**Users do not need to register an account to participate**

Anonymity is the default (and preferred) behavior

**“Some” degree of permanence and identifiability is supported**

Can enter a name along with their posts (no authentication though)

**Threads get “archived” after a while**

Actually all posts deleted after a week

(More later)

# Datasets

	/pol/	/sp/	/int/	Total
Threads	217K	14.4K	24.9K	256K
Posts	8.3M	1.2M	1.4M	10.9M
June 30 to September 12, 2016				

## Methodology:

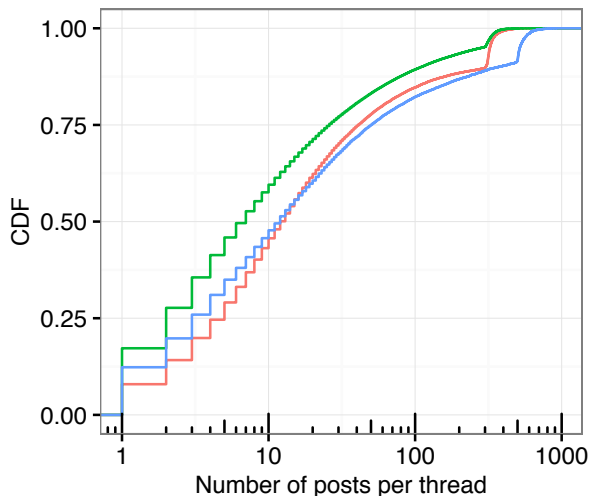
- Visit the “catalog”

- Take a snapshot every 5 minutes

- Once a thread is pruned, retrieve full/final contents from archive

## We're still crawling...

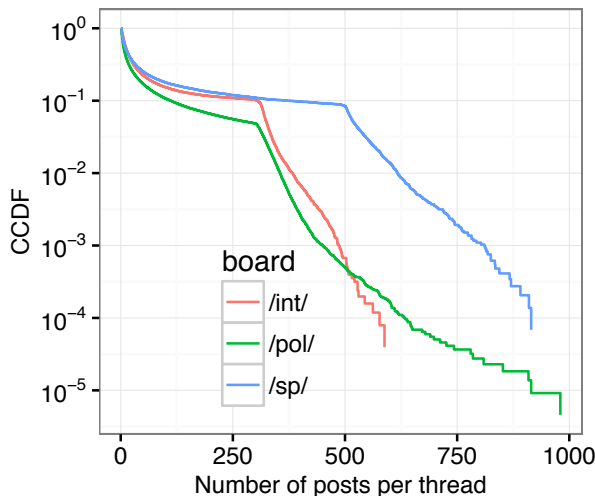
# Ephemerality: The Bump System



Limit boards to N live threads

Threads ordered by MRU

A new post in a thread “bumps” it up to the top



Create new thread → Old thread dies


Bump limit

Max times thread can be bumped

*No discussion will dominate forever*

# Geographic Distribution of Users



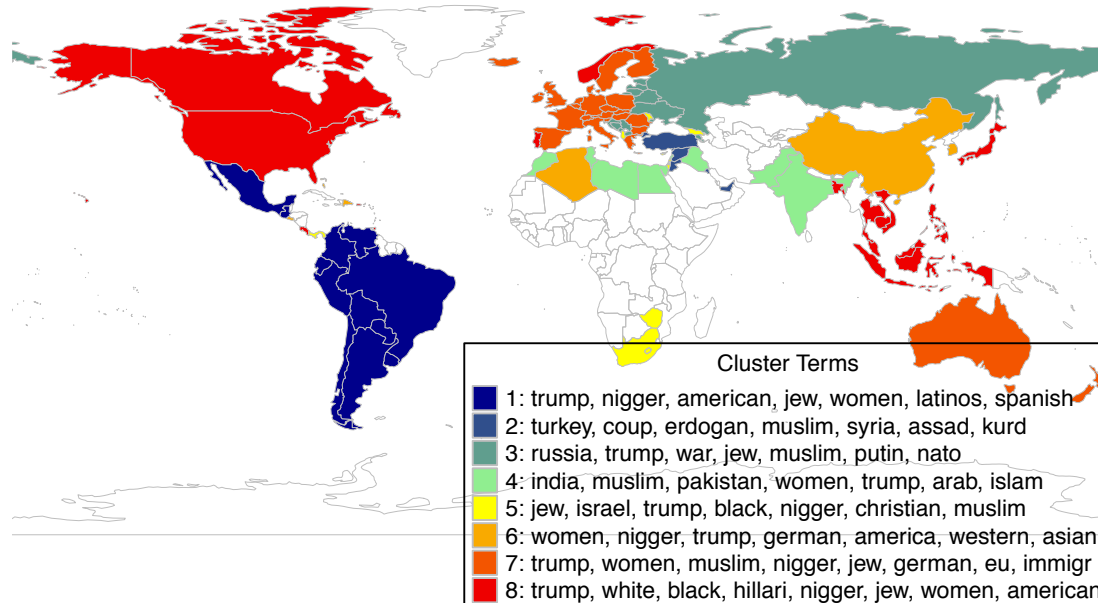
 09/11/17(Mon)07:17:26

/pol/ users seems well distributed

Native English speaking countries most highly represented

Plenty of other countries really well represented too though!

# Are Flags Trustworthy?



Use spectral clustering of the topics that each country posts about

The clusters follow real world socio-political blocks

While flags are not perfect, they seem reasonable

# Hate Speech?



Crowdsourced dictionary

Manually filtered a bit

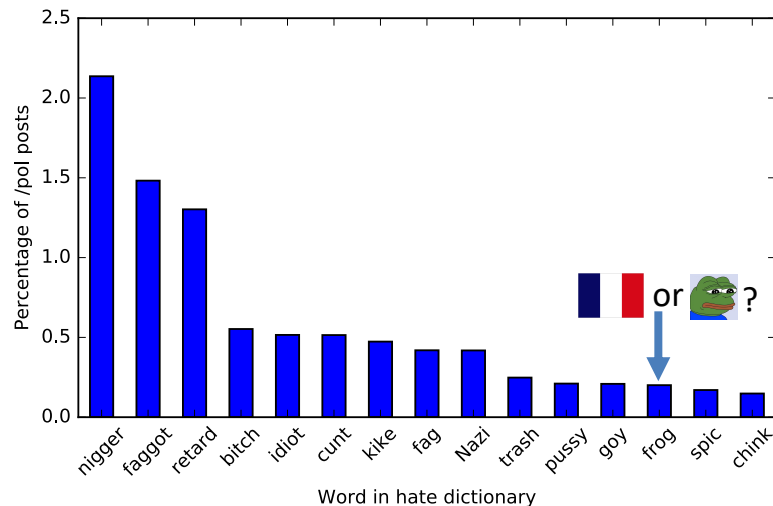
/pol/ by far most  
hate speech use

/pol/ 12%

/sp/ 7.3%

/int/ 6.3%

Twitter 2.2%



☐ Anonymous (ID: StmNUFWN ) 10/13/16(Thu)08:36:11 No.92713438 ►

Can't believe I sat and read all this shit, most interesting part was the countries that get the most replies.

Trolls now have the list of the top 10 countries to use to bait.

Also, the fact "trash" is the 10th most popular "hate speech" word, fucking burgers and leafs.

NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER  
NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER  
NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER  
NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER NIGGER

# Raids

Attempts to disrupt another site

*Not* a DDoS

Disrupts *community* that calls service home, not the service itself

Raids are a favorite past time on 4chan

“Pool’s closed!”

Have become less “funny” and more “scary” lately

It’s a *socio-technical* problem

# YouTube Raids

Someone posts a YouTube link

Maybe with a prompt like “you know what to do”

Thread is an aggregation point for raiders

E.g., “Hah! I called that person a nigger!”

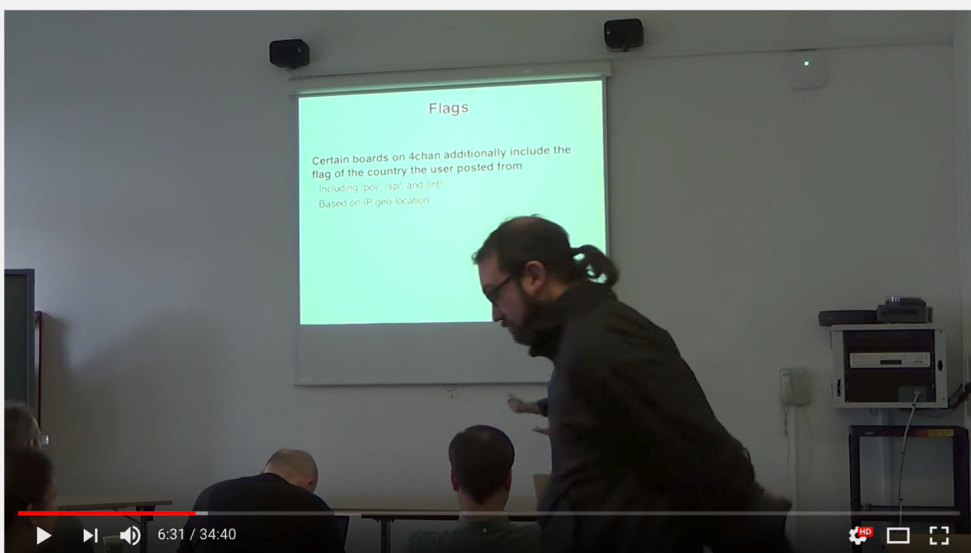
If raid is taking place:

Peak in YouTube comments while thread alive?

/pol/ thread and YT comments *synchronized*?



# Raids



## A Measurement Study of 4chan's Politically Incorrect Forum and Its Effects on the Web

Emiliano De Cristofaro



Subscribe 3

11,013 views

+ Add to Share ... More

80 526



Hans2k4ever 1 month ago

When will the normies learn?

Reply • 181

View all 3 replies



Jack Harper 1 month ago

mfw he accidentally redpills his whole class, they all found the memes funny even the so called "hate speech" he talks about

Reply • 13



Jack Harper 1 month ago

I guess I haven't tightened my fedora enough to be as enlightened by my own enlightenment as you sir. Carry on brave knight!

Reply •



Adem Adiyaman 1 month ago

23:21 "the victory of donald trump and the rise of ultra nazi people" you dense fuck, nice brain washing

Reply • 227

View all 16 replies



Szgerle 1 month ago

Not even just your regular nazi but ULTRA NAZI!

Reply • 1



Drakewood 1 month ago

+Potato Jenova A FUCKING LEAF!

Reply •

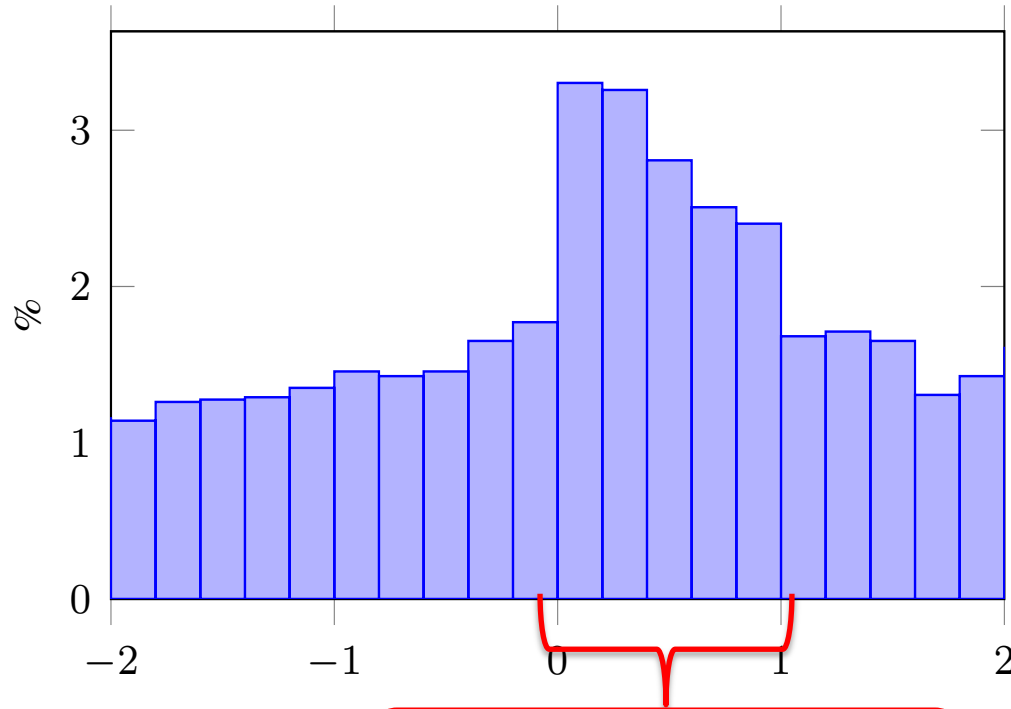


Thought Criminal 1 month ago

Holy fuck, (((they))) are actually intimidated by the powers of Kek.

Reply • 169

# Activity Peaks

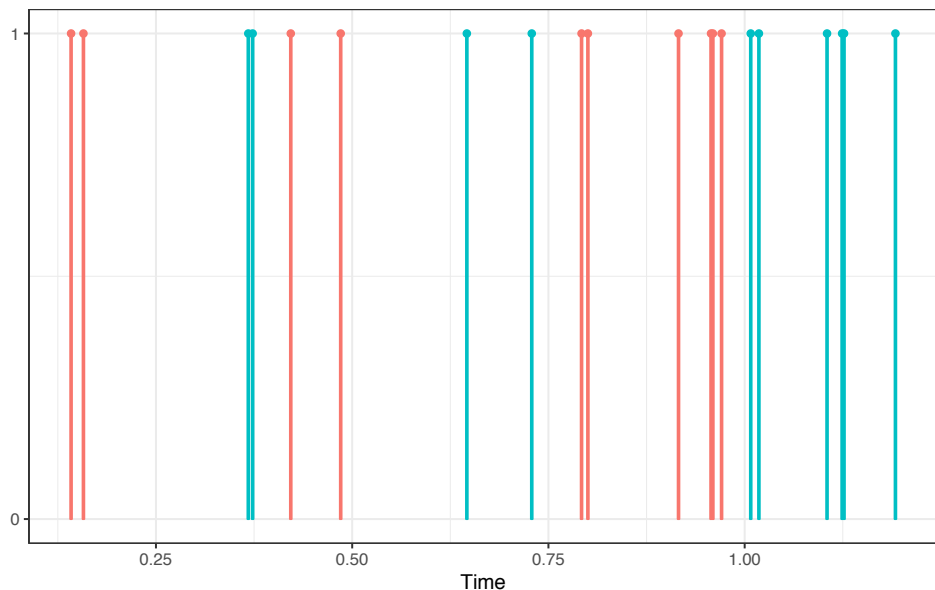


YT videos with peaks  
during 4chan thread

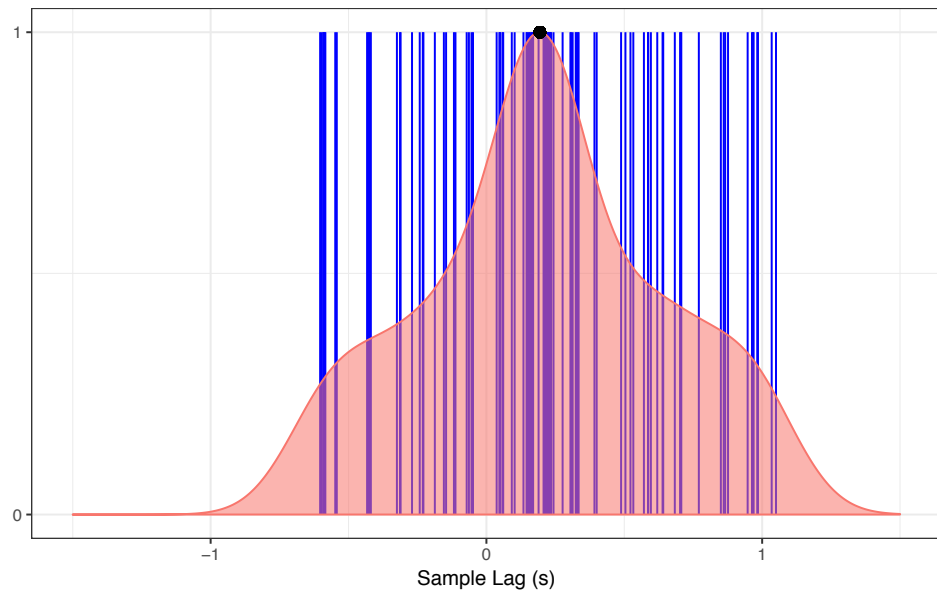
Determined via PDF of  
commenting timeseries

14% of videos see peak  
commenting activity during  
/pol/ thread lifetime

# Synchronization

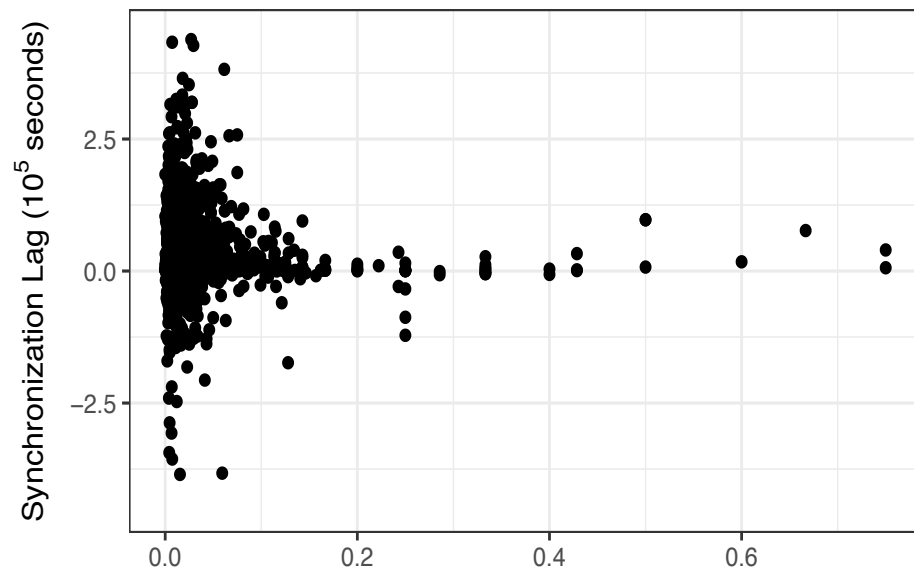
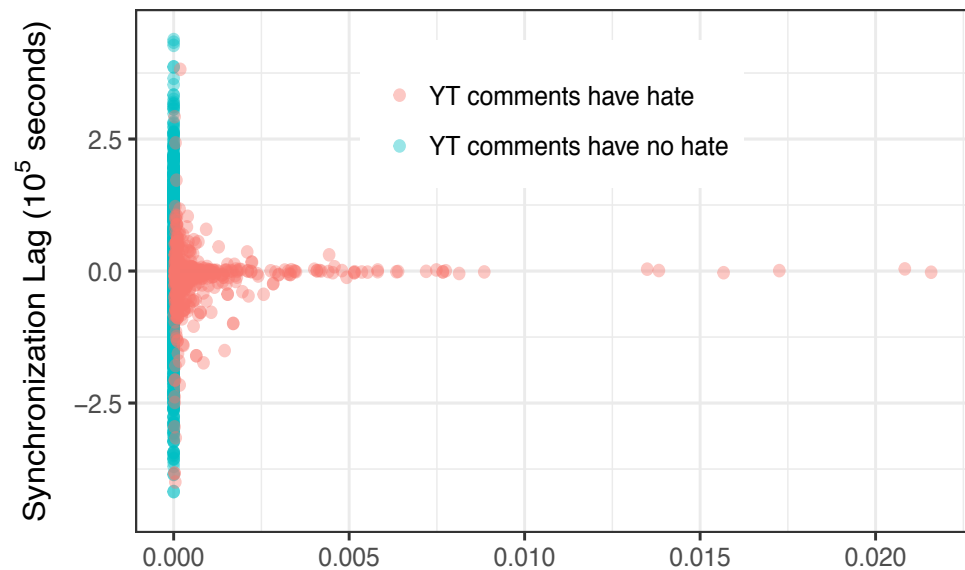


Two series, second randomly shifted from first by 0.2s on avg



Blue lines → per-sample lag  
Red area → density of the lags  
Peak of density curve = 0.2s

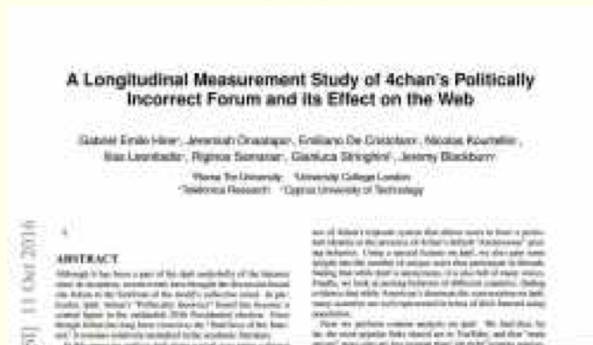
# Validation



☐ **Anonymous** (ID: DaWZlbeh ) 10/13/16(Thu)20:08:55 No.92772435 ►

>>92765569

Physicist finalist here, can confirm the maths is legitimate. Holy fuck



☐ **UN WASTED MONEY ON A /pol/ STUDY** Anonymous (ID: IYtnR5XJ )

10/13/16(Thu)07:31:17 No.92707709 >>92708226 >>92708494 >>92708807 >>92708920

>>92708964 >>92709004 >>92709055 >>92709458 >>92709504 >>92709671 >>92709689 >>92709707  
>>92709752 >>92709763 >>92709772 >>92709836 >>92709859 >>92709901 >>92710035 >>92710191  
>>92710347 >>92710410 >>92710492 >>92710713 >>92711326 >>92711414 >>92711436 >>92711936  
>>92712405 >>92713026 >>92713224 >>92713468 >>92713749 >>92713994 >>92714051 >>92714304  
>>92714890 >>92714945 >>92715027 >>92715081 >>92715163 >>92715226 >>92715425 >>92715526  
>>92716103 >>92716697 >>92717080 >>92717254 >>92717388 >>92717738 >>92718263

<https://arxiv.org/pdf/1610.03452v1.pdf>

get in here fellow niggers, post your least rare Pepes



**Sam Hyde**

2016-11-17 at 22:05 UTC

When U.N. sends its Pepes, they're not sending their best. They're not sending Kek, they're not sending rares. They're sending Pepes that have lots of copies, and they're bringing those copies with us. They're bringing tumblr. They're bringing facebook. They're common. And some, I assume, are rare Pepes.

File: [Cucks.png](#) (209 KB, 1181x535)



☐ **The Cuckademics, A Study Anonymous** (ID: zw8wNrfR) 10/13/16(Thu)06:18:21 No.92700473

Jeremy Blackburn

>his work on the contagious aspects of cheating and understanding and learning about cyberbullying/toxic behavior in online games represent the largest scale studies of such behavior, providing insight useful not just for the gaming community, but in understanding anti-social behavior in the real-world as well.

<http://www.tid.es/research/researchers/j-blackburn>

Gianluca Stringhini

>Twitter Cuck e.g. "But #brexit has nothing to do with xenophobia, right?"

>Retweets Hillary

[https://twitter.com/gianluca\\_string](https://twitter.com/gianluca_string)

Riginos Samaras

>actually seems ok and quite attractive so ill give him a pass

Ilias Leontiadis

>bizarre that they would include this guy because his papers are all related to internet privacy and ad revenue.

>Oh wait... Two factors that may have an influence on such interactions are cultural differences between individuals in highly multicultural workplaces, and the layout and physical spaces of the workplace itself. In this work, we investigate how these two factors may facilitate or hinder inter-group interactions in the workplace.

<http://www.tid.es/research/researchers/iliass-leontiadis>

☐ **Anonymous** (ID: zw8wNrfR) 10/13/16(Thu)06:18:40 No.92700514

Nicolas Kourtellis

>Just a henchman

Emiliano De Cristofaro

>globalist

>Italian national Dr Emiliano De Cristofaro, a senior lecturer in computer science at University College London, criticised the comments.

>"Quite frankly. I am very upset. It inherently discriminates against a portion of the population living in this country, making us feel like second-class individuals. Nobody should be used as a negotiating chip, let alone people who are working hard, paying taxes and strongly contributing to the country," he said.

>"I also fear that statements like this will further encourage hate crime, discrimination and racism against EU citizens."

<https://news.co.uk/essentials/news/politics/eu-citizens-living-uk-express-upset-liam-fox-describes-negotiating-card/>

Jeremiah Onalapo

>Just a henchman but...

>Recent or forthcoming papers: "What Happens After You Are Pwnd: Understanding The Use Of Leaked Webmail Credentials In The Wild."

>In that paper: "We leaked 100 honey accounts on paste sites, underground forums, and virtual machines infected with malware, and provided detailed statistics of the activity of cybercriminals on the accounts, together with a taxonomy of the criminals. Our findings help the research community to get a better understanding of the ecosystem of stolen online accounts, and potentially help researchers to develop better detection systems against this malicious activity."

<http://www0.cs.ucl.ac.uk/staff/J.Onalapo/papers/imc16gmail.pdf>

Gabriel Emile Hine

>no juice

In conclusion my research indicates that the three most responsible Jews for this vicious hate crime against our culture are:

>Jeremy Blackburn

[https://twitter.com/jhblackb?ref\\_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor](https://twitter.com/jhblackb?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor)

>Emiliano De Cristofaro

[https://twitter.com/emilianodc\\_](https://twitter.com/emilianodc_)

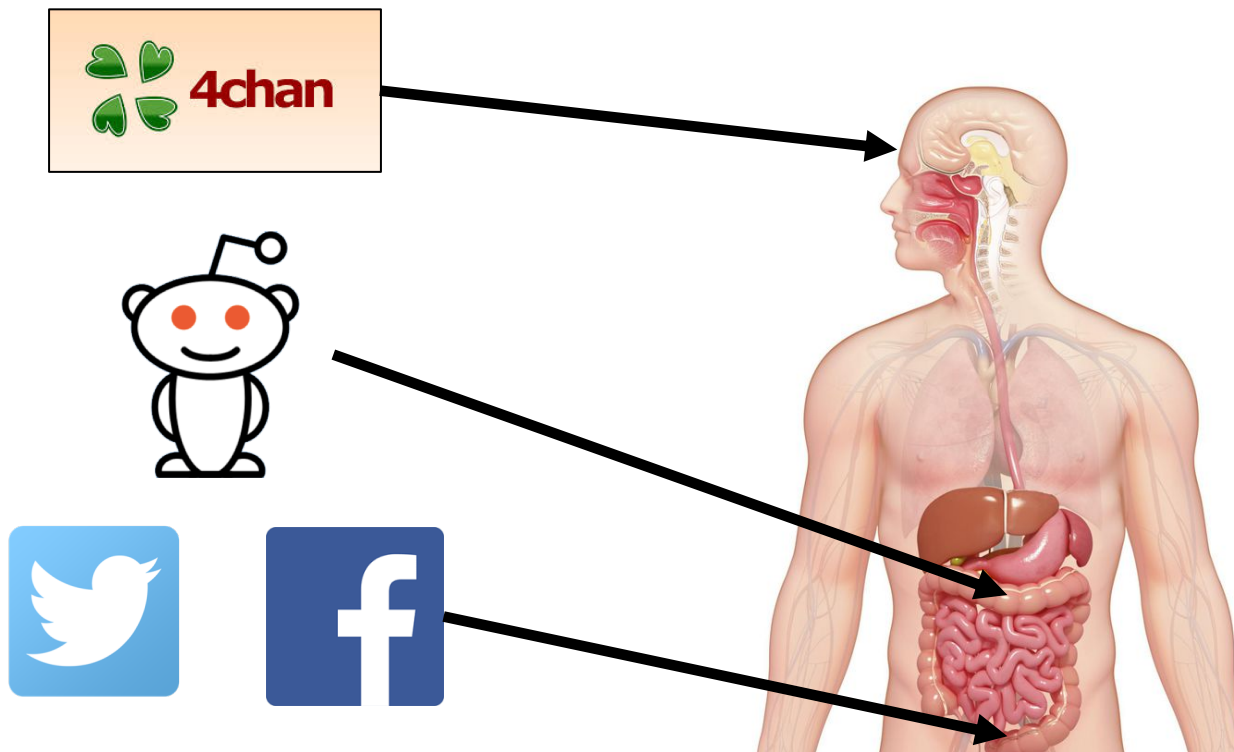
>Gianluca Stringhini

[https://twitter.com/gianluca\\_string](https://twitter.com/gianluca_string)

# Outline

1. Hate on and “raids” from fringe communities like 4chan  
[ICWSM 2017]
- 2. Influence of fringe communities on misinformation  
[IMC 2017]**
3. Misuse of Web archiving services  
[ICWSM 2018]

# Can We Quantify How Rest of Web is Affected?





# The Information Ecosystem



4chan → Twitter

[View Same](#) [Google](#) [iqdb](#) [SauceNAO](#) [C58mabBXEAEm6iY.jpg, 46KiB, 497x503](#)



**Anonymous** ID: Cgs1YKTD Fri 03 Mar 2017 00:38:09 No.114985529 [View](#)

Here is picture of Senator Chuck Schumer having coffee and donuts with Vladimir Putin.

We need to investigate this meeting and any Russian ties with Chuck.



**Donald J. Trump**

@realDonaldTrump

Following



We should start an immediate investigation into [@SenSchumer](#) and his ties to Russia and Putin. A total hypocrite!



9:54 AM - 3 Mar 2017

54,218 Retweets 148,062 Likes





#FraudNewsCNN #FNN

4:21 PM - Jul 2, 2017

141,936 368,969 605,362



EXPLAINERS POLITICS & POLICY WORLD CULTURE SCIENCE & HEALTH IDENTITIES MORE ▾



## Trump's anti-CNN tweet originated from Reddit's largest right-wing extremist forum

Regardless of his intentions, Trump's tweet aligned him with violent hate speech.

Updated by Aja Romano | @ajaromano | Jul 3, 2017, 5:00pm EDT

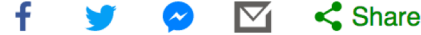
# The Pizzagate Conspiracy Theory

The saga of 'Pizzagate': The fake story that shows how conspiracy theories spread



By BBC Trending  
What's popular and why

🕒 2 December 2016



Data  
Provider



Theory  
Generator



Theory Incubators & Gateway  
to mainstream "world"



Large-scale  
Disseminator


# Oh Hey... It's 4chan Again...

OUR PICKS LATEST POPULAR OBSESSIONS

QUARTZ

PROOF OF LIFE

## Fake news of a fatal car crash wiped out \$4 billion in ethereum's market value yesterday



Alive and well. (John Phillips/Getty Images for TechCrunch)

SHARE

[Twitter](#) [Facebook](#) [LinkedIn](#) [Email](#)

WRITTEN BY

Joon Ian Wong

"Vitalik Buterin confirmed dead. Insiders unloading ETH" read the [title of the post](#) on 4Chan, the notorious online message board frequented by internet trolls. "Fatal car crash," it went on. "Now we have our answer. He was the glue."

OCTOBER 3 2017 SAVE PRINT

## Las Vegas shooting: How 4Chan, far-right trolls named the wrong man

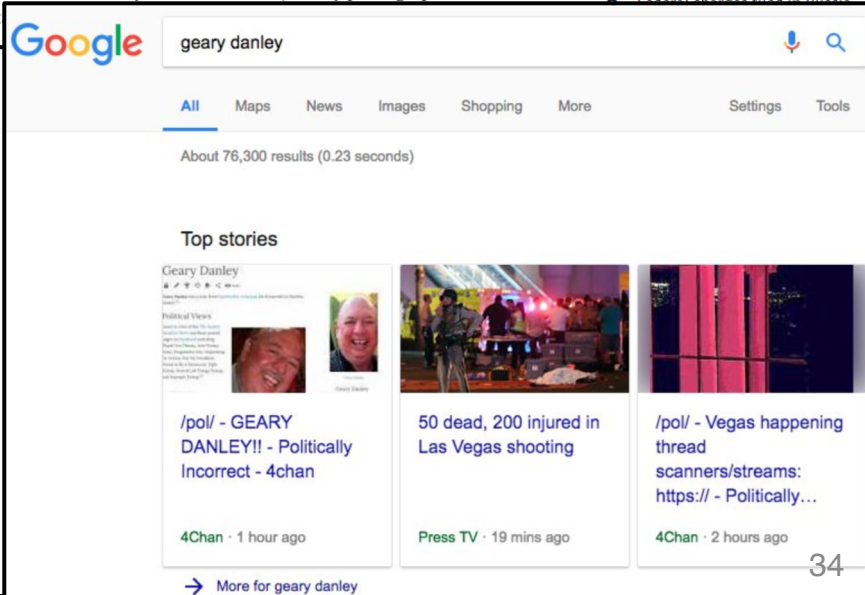
Abby Ohlheiser

[f SHARE](#) [TWEET](#) [Email](#) [MORE](#)

Geary Danley was not the gunman in Las Vegas who killed at least 50 people late Sunday. But for hours on the far-right internet, would-be sleuths scoured Danley's Facebook likes, family photographs and marital

### MOST POPULAR

- 1 Mystery space object may be first confirmed interstellar visitor



Google geary danley

All Maps News Images Shopping More Settings Tools

About 76,300 results (0.23 seconds)

#### Top stories

Geary Danley

Political Viewers

/pol/ - GEARY DANLEY!! - Politically Incorrect - 4chan

4Chan · 1 hour ago

50 dead, 200 injured in Las Vegas shooting

Press TV · 19 mins ago

/pol/ - Vegas happening thread scanners/streams: [https://](#) - Politically...

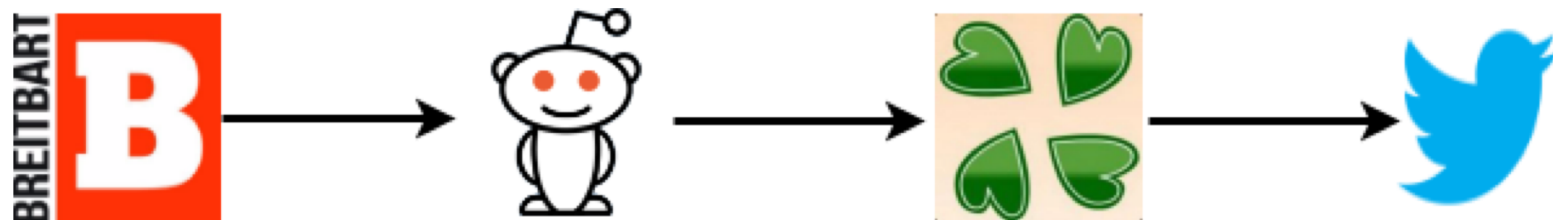
4Chan · 2 hours ago

→ More for geary danley

# Idea...

Study the appearance of alternative and mainstream news URLs within the platforms

Build a sequence of appearance for each URL according to the timestamps



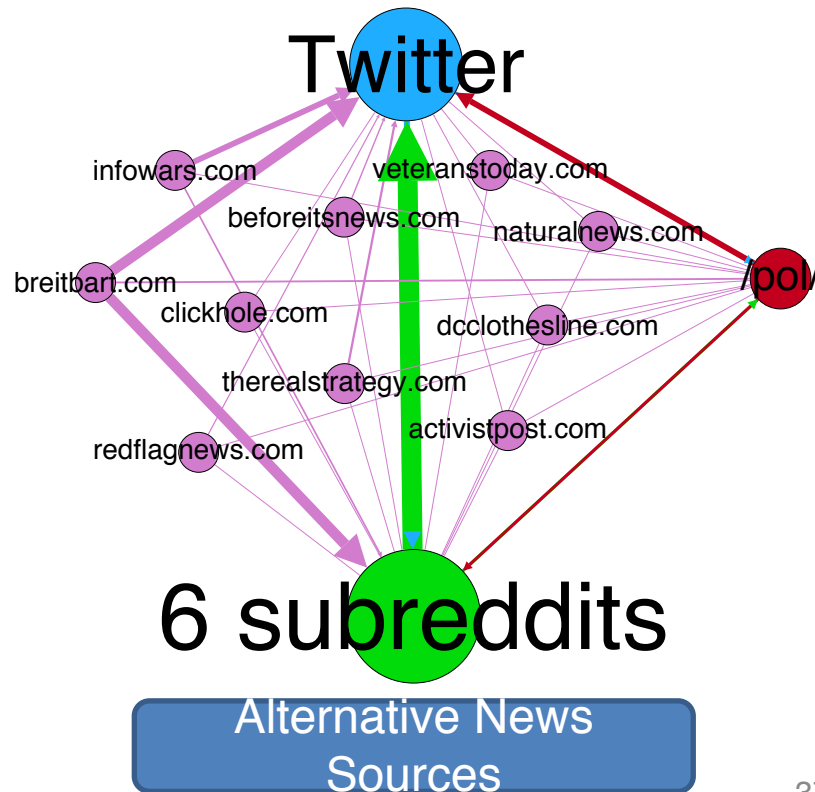
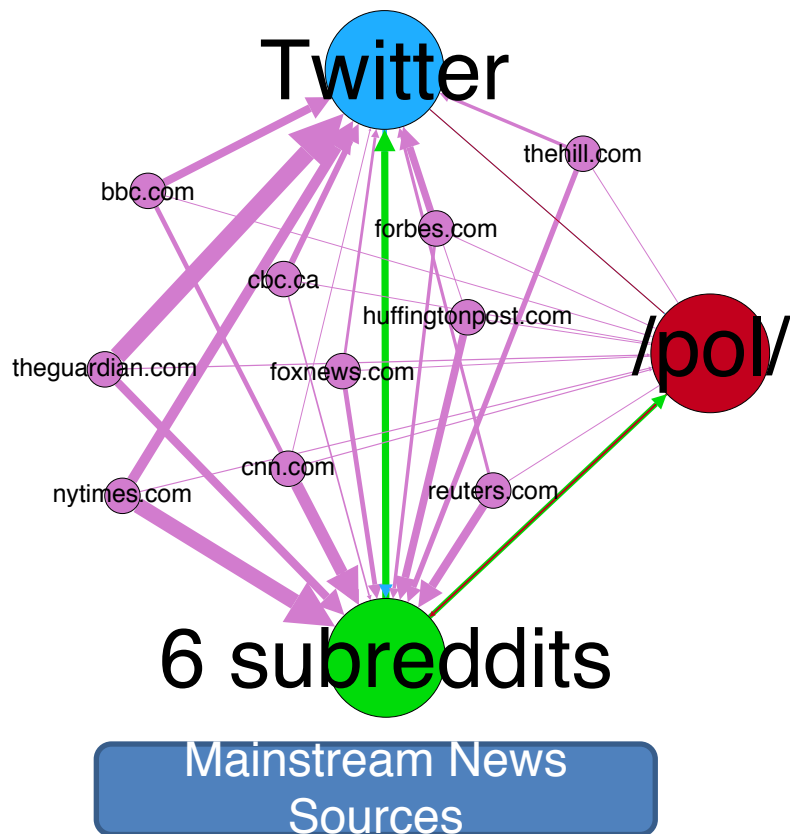
Build a graph with the sequences

# The Data

99 mainstream and alternative (“fake”) news sources

Platform	Posts/Comments	Alternative URLs	Mainstream URLs
Twitter	486K	42K	236K
Reddit (six selected subreddits)	620K	40K	301K
4chan (/pol/)	90K	9K	40K

# Here's What The Graph Looks Like





# Quantify Influence? Hawkes Processes!

Assume  $K$  processes

Each with a rate of events (i.e., posting of a URL), called the *background rate*

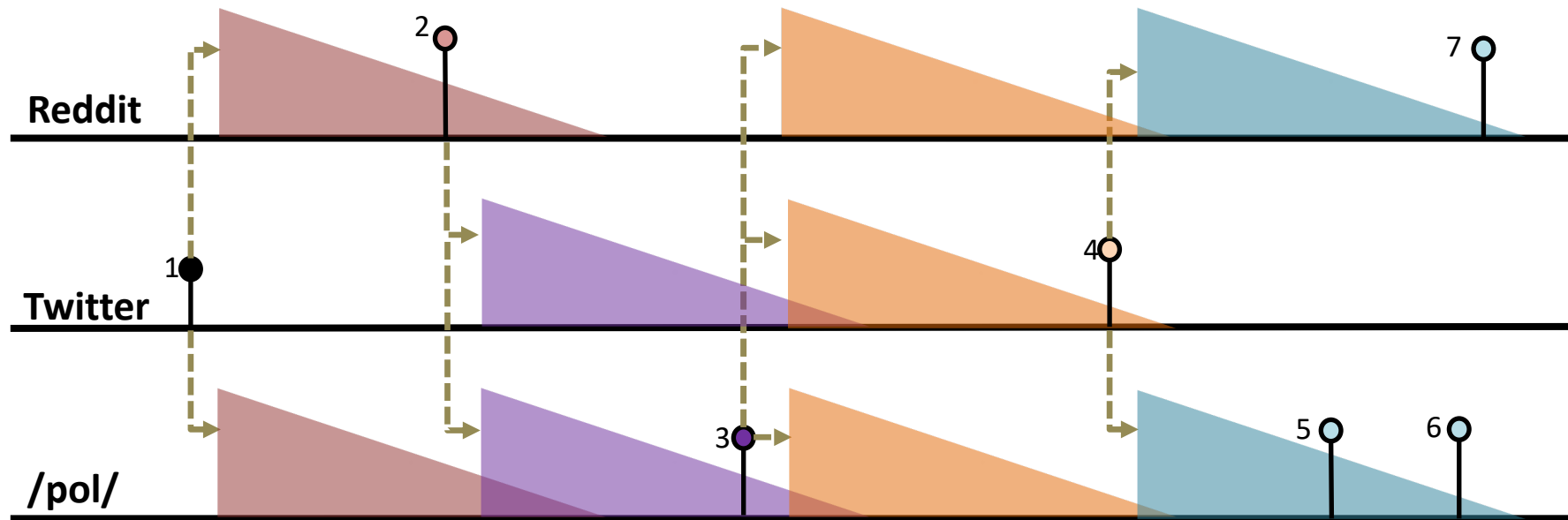
An event can cause **impulse responses** in other processes

Increases the rates of other processes for a period of time

Enables us to be confident about the number of events caused by another event on the source process (weight)

**Reveals causal relationships**

# Hawkes Processes Example



# For Our Purposes...

## Hawkes model with 8 processes

- One for each platform/community

- Distinct model for each URL

## Fit each model with Gibbs sampling

Calculate the percentage of events **created because** of events happened in each of the other processes

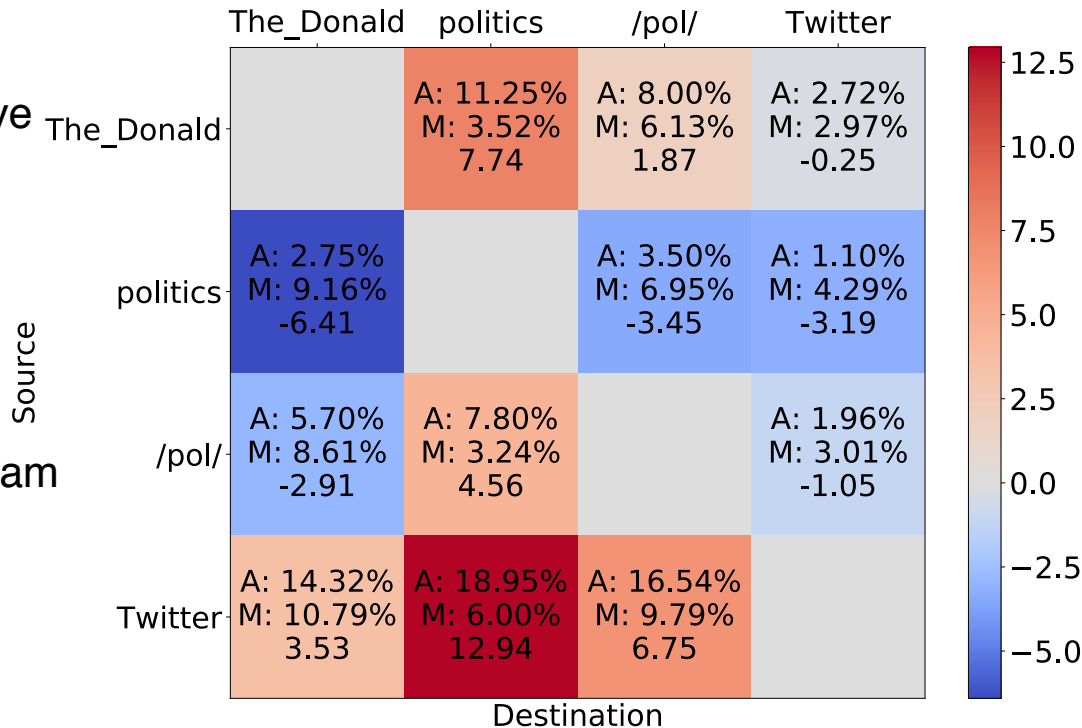
# What Communities Influence Each Other?

## Twitter top influencers for alternative URLs

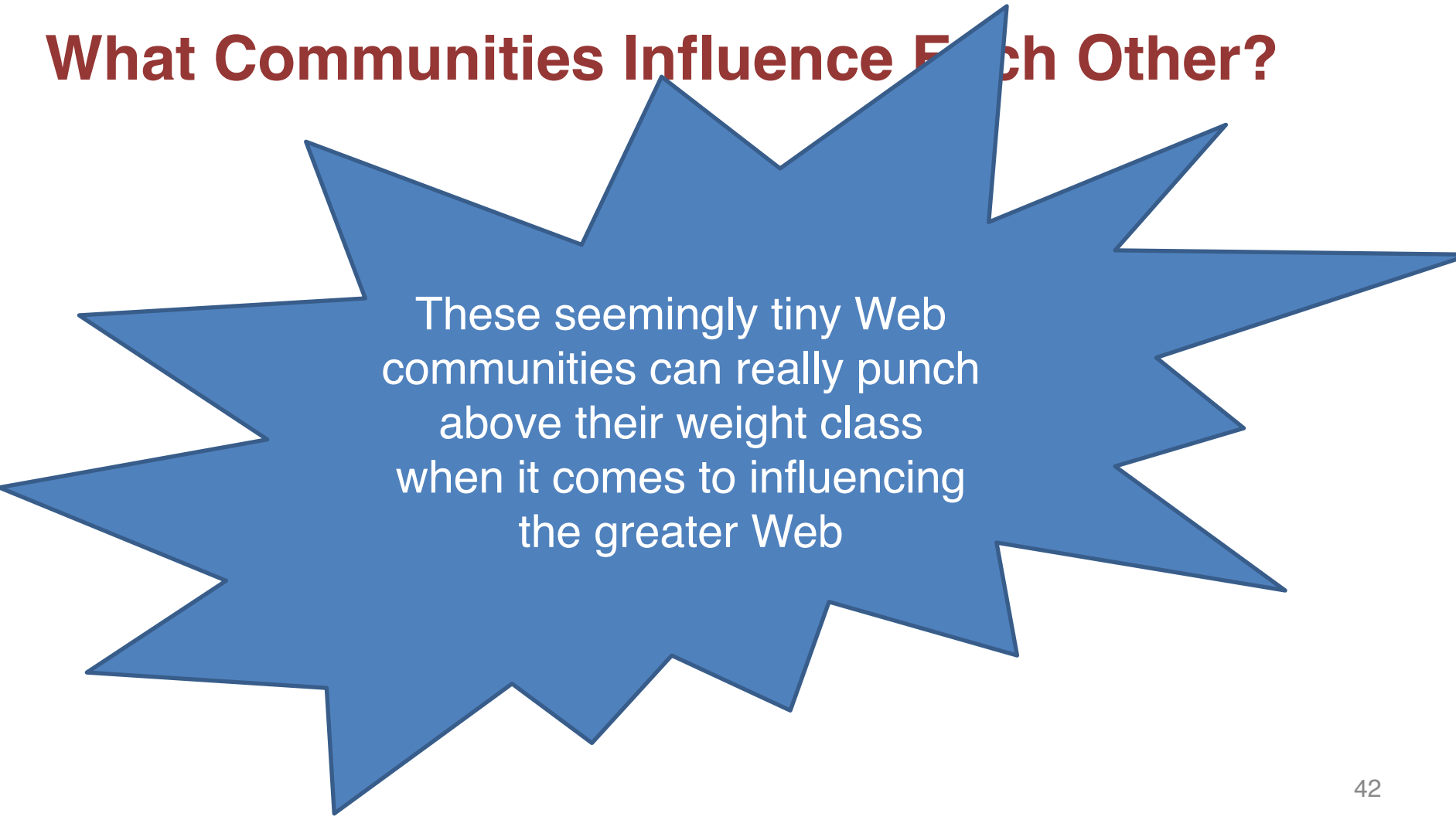
- /r/The\_Donald (2.72%)
- /pol/ (1.96%)
- /r/politics (1.1%)

## Twitter top influencers for mainstream URLs

- /r/politics (4.29%)
- /pol/ (3.01%)
- /r/The\_Donald (2.97%)



# What Communities Influence Each Other?



These seemingly tiny Web communities can really punch above their weight class when it comes to influencing the greater Web

# Outline

1. Hate on and “raids” from fringe communities like 4chan  
[ICWSM 2017]
2. Influence of fringe communities on misinformation  
[IMC 2017]
- 3. Misuse of Web archiving services**  
**[ICWSM 2018]**

# Web archiving

## Archive.is

On-demand archiving service

Generates 5-character archive URLs

E.g., [www.google.de](http://www.google.de) becomes [archive.is/HVbU](http://archive.is/HVbU)



## Wayback Machine

Works mainly through a proactive crawler

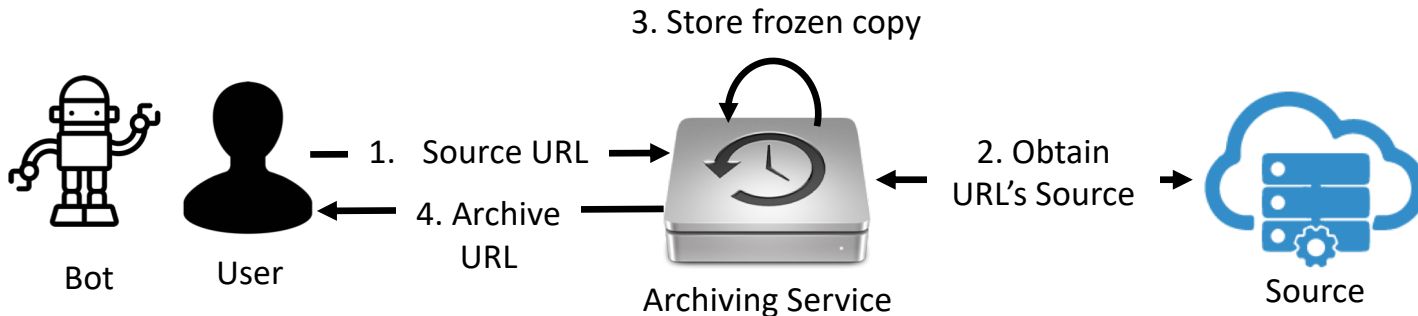
Supports also on-demand archival

E.g., [www.google.com](http://www.google.com) becomes  
<https://web.archive.org/web/20100205062719/http://www.google.com/>

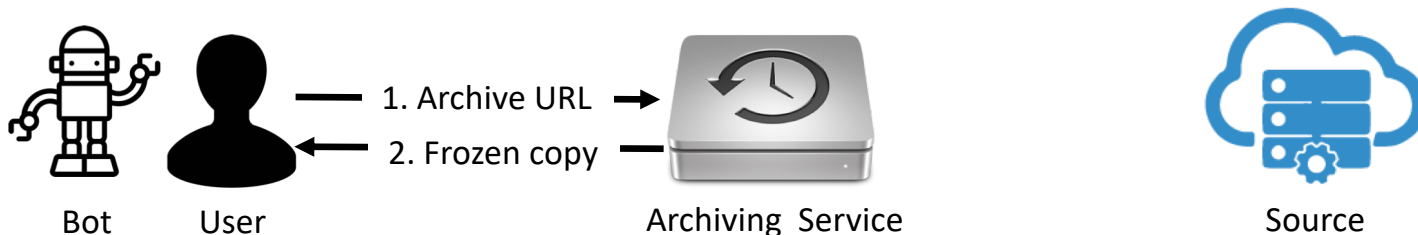


# How do Web archiving services work?

## A. Archival

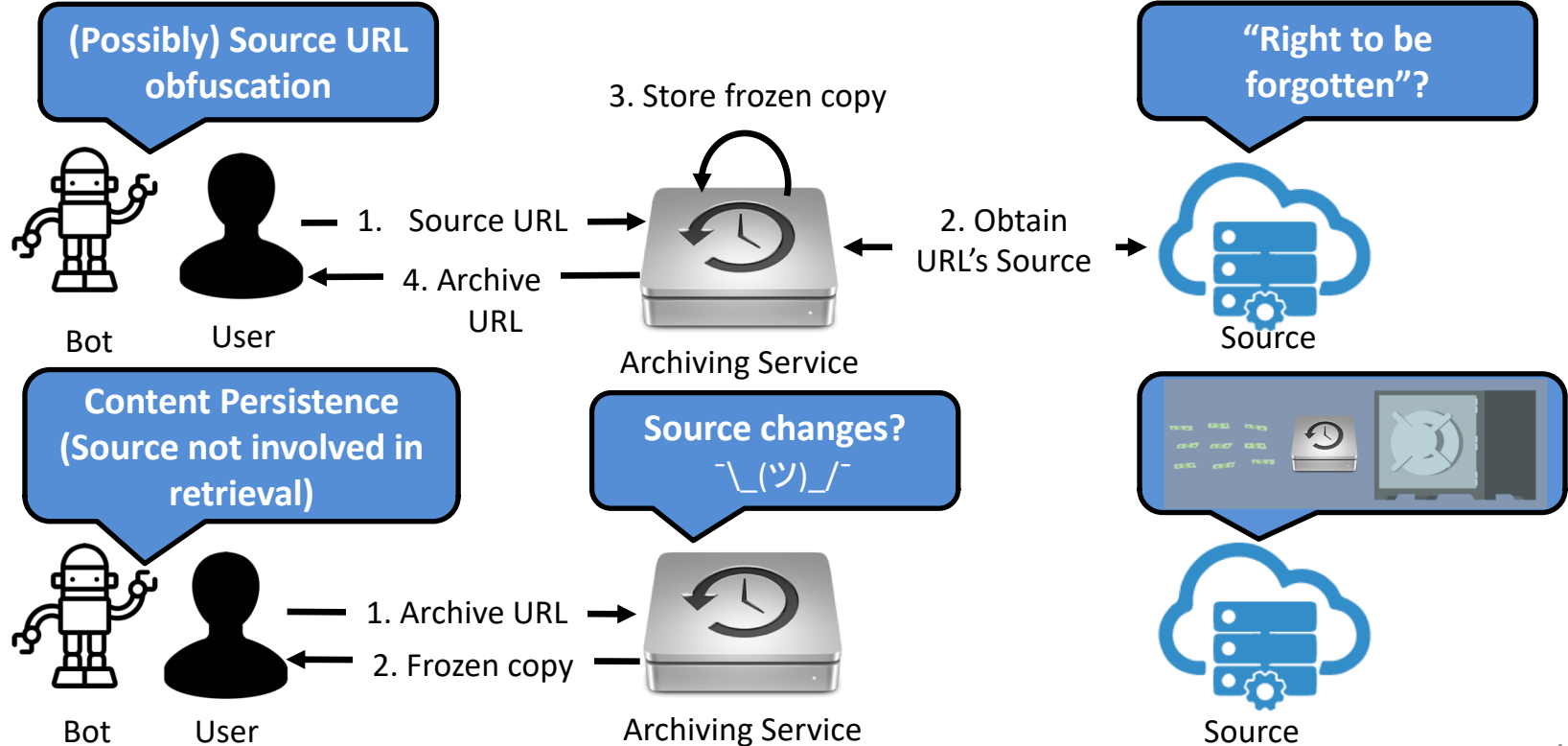


## B. Retrieval





# How do Web archiving services work?



# Research Questions

1. What kind of content get archived, by whom, and why?
2. How are archive URLs disseminated on the Web?
3. Are archiving services misused?



# Datasets

1. Live Feed archive.is dataset
2. Archive.is and Wayback Machine URLs posted on Reddit, /pol/, Gab, Twitter

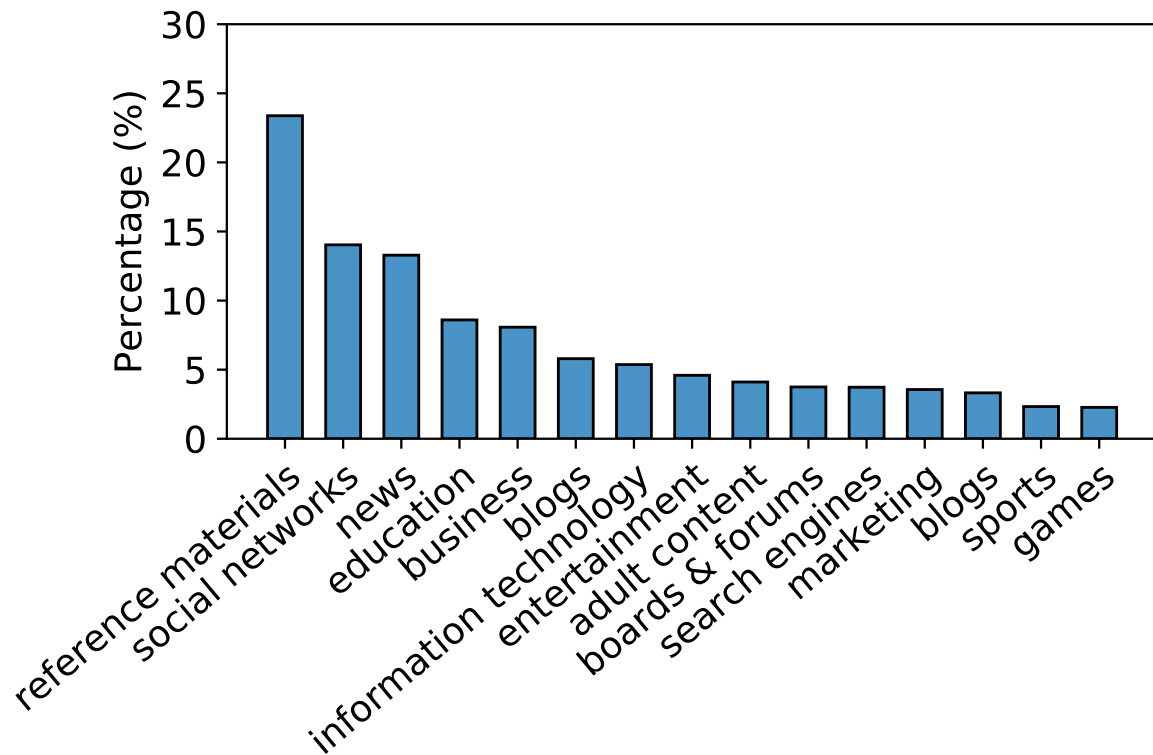
	platform	Archive URLs	Source URLs	Source Domains
Live Feed	Archive.is	21M	20.6M	5.3M
Reddit	Archive.is	310K	291K	15.9K
	Wayback	387K	343K	21K
/pol/	Archive.is	36K	33K	3.9K
	Wayback	2K	2K	0.9K
Gab	Archive.is	5.9K	5.7K	1.3K
	Wayback	0.3K	0.3K	0.2K
Twitter	Archive.is	3.7K	3.6K	0.8K
	Wayback	1.2K	1.2K	0.8K

# What kind of content gets archived?

Get categories for  
domains using Virus  
Total API

Live feed dataset has  
5.3M domains

Select top 100K domains  
for categorization



# What kind of content gets archived? (OSNs)



OSN posts among the top two categories in all  
Web Communities



News among the top five categories in all  
Web Communities



# Platform-specific censorship

Some domains exclusively shared via archiving services. Why?

8chan and Facebook considered spam (rejected) on /pol/

Users utilize archive.is to circumvent this platform-specific censorship

Evidence of accidental news source censorship because of substitution filters (used for fun)

smh becomes baka (smh.com.au becomes baka.com.au)

# Original content availability

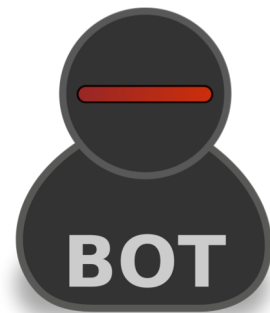
	platform	% of unavailable URLs
<b>Reddit</b>	Archive.is	7%
	Wayback	11%
<b>/pol/</b>	Archive.is	18%
	Wayback	34%
<b>Gab</b>	Archive.is	13%
	Wayback	52%
<b>Twitter</b>	Archive.is	24%
	Wayback	51%

# Who is archiving URLs? Reddit

31% and 82% of archive.is and Wayback Machine URLs, resp., are posted by “SnapshillBot”

44% of archive.is URLs are shared by bots, 85% for Wayback Machine

→ Content persistence within subreddits?





# Speaking of subreddits.....

	Subreddit (archive.is)	(%)	Subreddit (Wayback)	(%)
Trump	The_Donald	24.48%	EnoughTrumpSpam	31.82%
Trump	KotakuInAction	15.83%	MGTOW	7.38%
	EnoughTrumpSpam	12.06%	SnapshillBotEx	7.19%
	MGTOW	3.48%	undelete	5.90%
	undelete	2.74%	SubredditDrama	5.50%
Drama	SubredditDrama	2.61%	Drama	5.03%
	Drama	2.33%	Gamingcirclejerk	3.47%
	Gamingcirclejerk	1.57%	ShitAmericansSay	1.63%
Conspiracies	conspiracy	1.44%	TopMindsOfReddit	1.51%
	MensRights	1.12%	TheBluePill	1.25%
	savedyouaclick	1.00%	Buttcoin_1000	1.15%
Politics	politics	0.98%	AgainstHateSubreddits	1.06%
	DerekSmart	0.76%	subredditcancer	0.99%
	ShitAmericansSay	0.75%	The_Donald	0.95%
Politics	PoliticsAll	0.72%	badeconomics	0.75%

# Ad-Revenue Deprivation

post reply

from AutoModerator [M] via /r/The\_Donald sent 5 days ago

⬆  
⬇ Your submission was removed because it is from washingtonpost.com, which has been identified as a severely anti-Trump domain. Please submit a cached link or screenshot when submitting content from this domain. We recommend using <http://www.archive.is> for this purpose.

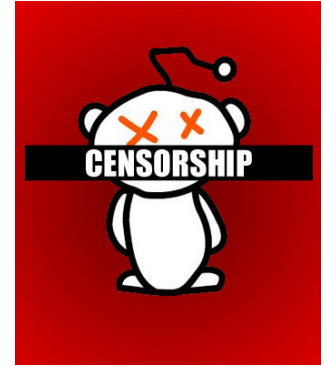
*I am a bot, and this action was performed automatically. Please [contact the moderators of this subreddit](#) if you have any questions or concerns.*

context full comments (1) report block user mark unread reply

# News “Censorship”

13K submissions removed from The\_Donald subreddit

In total 23 “anti-Trump” news sources censored



News Source	# of submissions removed	Percentage
washingtonpost.com	3.8K	44%
cnn.com	3.3K	40%
nydailynews.com	1.0K	46%
huffingtonpost.com	0.9K	43%
nationalreview.com	0.7K	45%

# Thank you!



# CUCKADEMICS

---

## Primary members



Jeremy Blackburn  
University of Alabama at  
Birmingham



Emiliano De Cristofaro  
University College London



Guillermo Suarez-Tangil  
King's College London



Nicolas Kourtellis  
Telefonica Research



Ilias Leontiadis  
Telefonica Research



Michael Sirivianos  
Cyprus University of  
Technology



Gianluca Stringhini  
University College London

# DRAMANAUTS

---

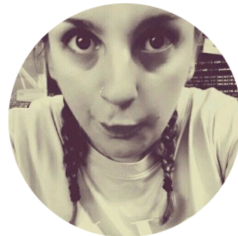
## Students and other affiliates



Tristan Caulfield  
University College London



Despoina Chatzakou  
Aristotle University of



Antigoni Founta  
Aristotle University of



Gabriel Hine  
Roma3 University



Jeremiah Onaolapo  
University College London



Savvas Zannettou  
Cyprus University of