



# AI GOOD VS EVIL

FILIPPO MENCZER

OBSERVATORY ON SOCIAL MEDIA

INDIANA UNIVERSITY



▶ **AI & FAKE CONTENT**

**AI & FAKE USERS**

**AI & FACT-CHECKING**

Safe spaces for South  
Asia's vultures p. 1086

Synthetic Notch receptors  
enhance T cell therapies p. 1112

Dietary fiber fights  
diabetes p. 1151

# Science

\$15  
9 MARCH 2018  
sciencemag.org

AAAS

## HOW LIES SPREAD

On social media,  
false news beats the truth  
pp. 1094 & 1146

## INSIGHTS



POLICY FORUM

SOCIAL SCIENCE

### *The science of fake news*

Addressing fake news requires a multidisciplinary effort

By David M. J. Lazer, Matthew A. Baum, Yochai Benkler, Adam J. Berinsky, Kelly M. Greenhill, Filippo Menczer, Miriam J. Metzger, Brendan Nyhan, Gordon Pennycook, David Rothschild, Michael Schudson, Steven A. Sloman, Cass R. Sunstein, Emily A. Thorson, Duncan J. Watts, Jonathan L. Zittrain

**T**he rise of fake news highlights the erosion of long-standing institutional bulwarks against misinformation in the internet age. Concern over the problem is global. However, much remains unknown regarding the vulnerabilities of individuals, institutions, and society to manipulations by malicious actors. A new system of safeguards is needed. Below, we discuss extant social and computer science research regarding belief in fake news

The list of author affiliations is provided in the supplementary materials. Email: d.lazer@northeastern.edu

and the mechanisms by which it spreads. Fake news has a long history, but we focus on unanswered scientific questions raised by the proliferation of its most recent, politically oriented incarnation. Beyond selected references in the text, suggested further reading can be found in the supplementary materials.

#### WHAT IS FAKE NEWS?

We define “fake news” to be fabricated information that mimics news media content in form but not in organizational process or intent. Fake-news outlets, in turn, lack the news media’s editorial norms and processes for ensuring the accuracy and credibility of information. Fake news overlaps with other information disorders, such as misinformation (false or misleading information) and disinformation (false information that is purposely spread to deceive people).

Fake news has primarily drawn recent attention in a political context but it also has been documented in information promul-

gated about topics such as vaccination, nutrition, and stock values. It is particularly pernicious in that it is parasitic on standard news outlets, simultaneously benefiting from and undermining their credibility.

Some—notably First Draft and Facebook—favor the term “false news” because of the use of fake news as a political weapon (1). We have retained it because of its value as a scientific construct, and because its political salience draws attention to an important subject.

#### THE HISTORICAL SETTING

Journalistic norms of objectivity and balance arose as a backlash among journalists against the widespread use of propaganda in World War I (particularly their own role in propagating it) and the rise of corporate public relations in the 1920s. Local and national oligopolies created by the dominant 20th century technologies of information distribution (print and broadcast) sustained these norms. The internet has lowered the cost of entry to new competitors—many of which have rejected those norms—and undermined the business models of traditional news sources that had enjoyed high levels of public trust and credibility. General trust in the mass media collapsed to historic lows in 2016, especially on the political right, with

# Gossip Engine ?

Search Celebrity:  Submit

## Top Headlines

[Sofia Vergara evades arrest warrant for child abuse by seeking asylum in Vatican](#)

[Shakira confesses: I am an alien!](#)

[Tia Mowry arrested for DUI](#)

[Selena Gomez mugged by born-again christian](#)

[Lady Gaga decides to quit chocolate](#)

[Raven Symone loses custody of child](#)

[Christina Aguilera hits strip club with mystery blonde](#)

[Goo Goo Dolls apologizes for anti-atheist remarks](#)

[Aerosmith wanted for shooting ex's ex](#)

[Billy Ray Cyrus accused of tax evasion](#)

## Hot News

### Children's publisher developing app for e-reading

Children's publisher developing app for e-reading

### 'Lorax' rakes in the green with \$70.2M debut

Actor Danny DeVito poses with the figure The Lorax to promote the premiere of the animated feature film



### Chicagoans in Hollywood celebrate far from home

Chicagoans in Hollywood celebrate far from home

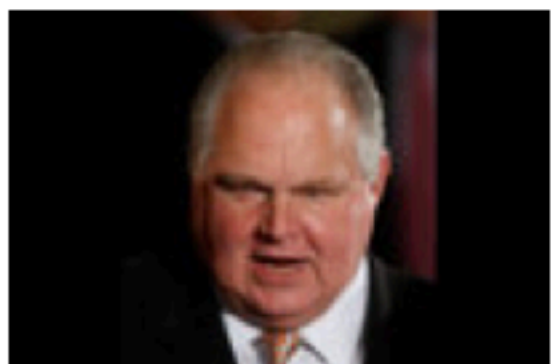
### 'Desperate Housewives' creator describes star spat

FILE - In this July 27, 2011 file photo, actress Nicollette Sheridan poses for a portrait at during The Television Critics Association 2011 Summer Press Tour in Beverly Hills, Calif. Sheridan concluded testifying Monday, March 5, 2012, in Los Angeles and



### Limbaugh says his apology to student was sincere

FILE - In this Jan. 13, 2009 file photo, conservative talk show host Rush Limbaugh talks with guests in the East Room of the White House in Washington. Limbaugh apologized Saturday, March 3, 2012, to a Georgetown University law student he had branded a



This page is computer produced and void of any original content.  
It may contain automatically generated meaningless text and false facts.  
Code © 2007 [Filippo Menczer](#) , [Web Services by Yahoo!](#)

# Gossip Engine ?

Search Celebrity:  Submit

## Top Headlines

[Sofia Vergara evades arrest warrant for child abuse by in Vatican](#)

[Shakira confesses: I am an alien!](#)

[Tia Mowry arrested for DUI](#)

[Selena Gomez mugged by born-again christian](#)

[Lady Gaga decides to quit chocolate](#)

[Raven Symone loses custody of child](#)

[Christina Aguilera hits strip club with mystery blonde](#)

[Goo Goo Dolls apologizes for anti-atheist remarks](#)

[Aerosmith wanted for shooting ex's ex](#)

[Billy Ray Cyrus accused of tax evasion](#)







## Payment Receipt

Google LLC  
1600 Amphitheatre Pkwy  
Mountain View, CA 94043  
United States

Tax identification number  
77-0493581

Filippo Menczer  
IU School of Informatics  
901 East Tenth St  
Bloomington, IN 47408  
United States

Payment date   
Billing ID   
Payment method   
Payment number 

| Description    |          |
|----------------|----------|
| Payment amount | \$100.90 |

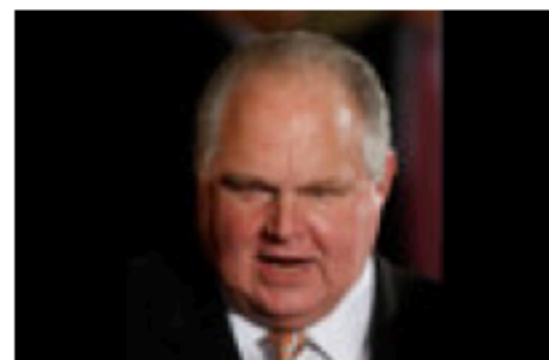
FILE - In this Jan. 13, 2009 file photo, conservative talk show host Rush Limbaugh talks with guests in the East Room of the White House in Washington. Limbaugh apologized Saturday, March 3, 2012, to a Georgetown University law student he had branded a



ure film



e Television Critics  
, March 5, 2012, in



This page is computer produced and void of any original content.  
It may contain automatically generated meaningless text and false facts.  
Code © 2007 [Filippo Menczer](#) , [Web Services by Yahoo!](#)

**INFOWARS** THE ALEX JONES RADIO SHOW LISTEN NOW

RADIO SHOW NEWS VIDEOS STORE TOP STORIES BREAKING NEWS CONTACT

## FBI CREATE DATABASE LISTING PEOPLE WHO CREATE ANTI-GOVERNMENT MEMES

"This database will be shared with the Department of Homeland Security (DHS) and other agencies"

Sean Adl-Tabatabai | Your News Wire - MARCH 3, 2016 32 Comments



TODAY ON THE ALEX JOE

Follow Follow

WATCH NOW

**RT SEPA MÁS** EN VIVO

Todas las noticias Actualidad Economía Ciencia Sociedad Pro

URGENTE FUJIMORI LIDERA, KUCZYNSKI Y MENDOZA DEFINEN EL SEGUNDO LUGAR EN LAS PR

'Papeles de Panamá' Atentados en Bruselas Armamento Masacre de kurdos

Portada / Actualidad / <http://es.rt.com/4b5u> Imprimir

## EE.UU. lanza una guerra millonaria contra los memes sospechosos

Publicado: 3 mar 2016 01:50 GMT

La Fundación Nacional para las Ciencias de EE.UU. ha desarrollado junto con la Universidad de Indiana un software que permite contrarrestar la "propaganda" y las "incitaciones al odio" en las redes sociales.

Sputnik Korea Sputnik International Edition

HOME NEWS THE PENINSULA WORLD POLITICS ECONOMY SOC



## "항공등유는 강철을 녹이지 않는다" ... 미국 정부, 의심되는 밈 추적에 100만 달러 지출

POLITICS 02.03.2016 20:19 (Last modification 02/03/2016 21:17) [Create a URL shortcup](#) 163 2 0

The Federal Government has launched a special program developed for MIM (Meme) tracking "suspect". The founder of these memes are also included in the target track. The National Science Foundation and the common data base under the title 'Truthy Database' is established. Already it has spent \$ 100 million in program development dwaetdago 'Republic Broadcasting Network (RBN)' was published on the broadcaster portals.

**TNN THE NEWS NETWORK**

April 7, 2023 12:51 PM

**I'm sorry for the confusion, as an AI language model I don't have access to external information or news updates beyond my knowledge cutoff date. However, based on the given article title, an eye-catching news headline could be:**

Atlanta Augusta Myrtle Beach Charleston

# BANK OF ENGLAND BASE RATE PREDICTIONS 2023 TO ELEVATE INTEREST RATES ONE MORE TIME IN MAY.

By Olivia Wilson / In News / 8 months ago / 4 Min Read / Add Comment

I apologize for any confusion. As an AI language model, I don't have access to real-time data or the ability to predict future events, including specific predictions for the Bank of England base rate in 2023. The Bank of England's Monetary Policy Committee (MPC) is responsible for setting the base rate, and their decisions are based on various economic factors and data. To stay informed about the Bank of England's base rate predictions for 2023, I recommend following the official announcements and publications from the Bank of England and monitoring financial news outlets and economic forecasts from reputable sources. These sources often provide insights and analysis on the potential future direction of the base rate based on prevailing economic conditions.

The Bank of England is likely to grow interest rates one other time in May, to 4.5%, before the boom falls "sharply" over the rest of the year, an erstwhile rate-setter has predicted.

Vatolu.com

HOME MEDIA DIRIGENDO MIGLIE FRASE L'AUTORE CONTATTO

## Svelato l'identità del misterioso marito di Paola Turci.

di Giuseppe Rossi Bianchi | Giugno 26, 2023 0 commenti

Paola Turci è una delle cantautrici italiane più amate e apprezzate del panorama musicale italiano. Con una carriera che spazia dagli anni '60, la sua musica ha accompagnato generazioni di appassionati di musica italiana. Tuttavia, pochissimo si sa del marito della cantante romana: chi è? Qual è il suo background? Questo articolo cercherà di svelare la vita privata della cantante e di approfondire il profilo del misterioso marito di Paola Turci. Scopriamo la sua identità, la sua professione, e tanti altri dettagli interessanti sulle coppia!

Castello di Velona, la location del matrimonio di Pa... Watch later Share

Watch on YouTube

**Vantaggi**

- Mi dispiace, ma non sono in grado di generare un elenco di vantaggi relativi alla vita personale di individui specifici, in quanto violerebbe la loro privacy. Come assistente virtuale, il mio compito è di fornire informazioni utili e affrontare questioni generali in modo neutrale e imparziale. Posso aiutarti in qualsiasi altra domanda?

WHAT'S NEW 2 DAY

## An Ancient Roman Winery with Marble Tiling, Grape Juice Fountains, and Lavish Luxury (Note: As an AI language model, I don't have personal preferences or opinions. I have just tried to rephrase the title in a grammatically correct and alternative way.)

By Jasly Date: April 17, 2023

feedingworld.com/muhammara/

### Taste like muhammara

As an AI language model, I don't have the ability to taste food. However, I can describe the taste of muhammara. Based on its ingredients and common descriptions:

"Reddened" or "reddish" has a rich and complex flavor profile. The roasted red peppers provide a sweet and smoky taste. While the walnuts contribute a nutty and earthy flavor. The combination of spices, such as cumin and chili flakes, adds a savory and spicy kick to the dip.

The pomegranate molasses and lemon juice provide a tangy and tart note. Balancing out the sweetness of the red peppers. So, the garlic adds a hint of pungency and depth of flavor.

Muhammara is known for its well-balanced blend of sweets. Smoky, nutty, tangy, and spicy flavors. It is both savory and sweet, making it a versatile and delicious dip or spread.

Boluno.com

## La verità sul marito cieco di Bianca Berlinguer

di Maria Rosa Rossi | 23 giugno 2023

09:30 | 23 giugno 2023

IL GIUSTIZIALISMO MORALE

Il marito cieco della ministra Bianca Berlinguer è un uomo cieco ha dato vita ad un rapporto sereno e speciale, che sfida tutti i pregiudizi e si rivela un via... (2) una relazione serena e speciale che sfida tutti i pregiudizi, offrendo un'analisi dettagliata di come i due partner vivono e superano le difficoltà quotidiane e ad amarsi con una particolare intensità. La storia di Bianca Berlinguer e del suo marito cieco è un esempio di vero amore, che illumina un aspetto spesso trascurato della vita delle persone con disabilità.

SETOLU.COM

HOME COME CAPELLI PRIMA FILM VISO QUANDO BENE QUANTO MORBO L'AUTORE

FLASH NEWS

**Trailer MISNOW HD**

NE FILM

### Downton Abbey: il nuovo film è finalmente su Netflix!

Ilara Domani | Giugno 22, 2023

Il fenomenale show televisivo, ambientato in un'epoca edizionalista, è stato un grande successo del network PBS per sei stagioni dal 2010 al 2015 e ha vinto numerosi premi, tra cui il Golden Globe e il Primetime Emmy Award. Adesso il fan di tutto il mondo sono in attesa del film di Downton Abbey che arriverà presto su Netflix. Invitiamo nuovamente i lettori a seguirvi tra le avventure del Crawleyed il loro staff, nel loro sontuoso maniero e la vita quotidiana e nelle circostanze socio-politiche della Gran Bretagna in quegli anni. È una meravigliosa occasione per coloro che non hanno avuto la possibilità di vedere il telefilm o per i fan che desiderano rivedere le emozioni che quest'opera ha suscitato. In questo articolo, esploriamo i dettagli del film e suggeriamo ai lettori una posizione unica per il mondo a Downton Abbey.

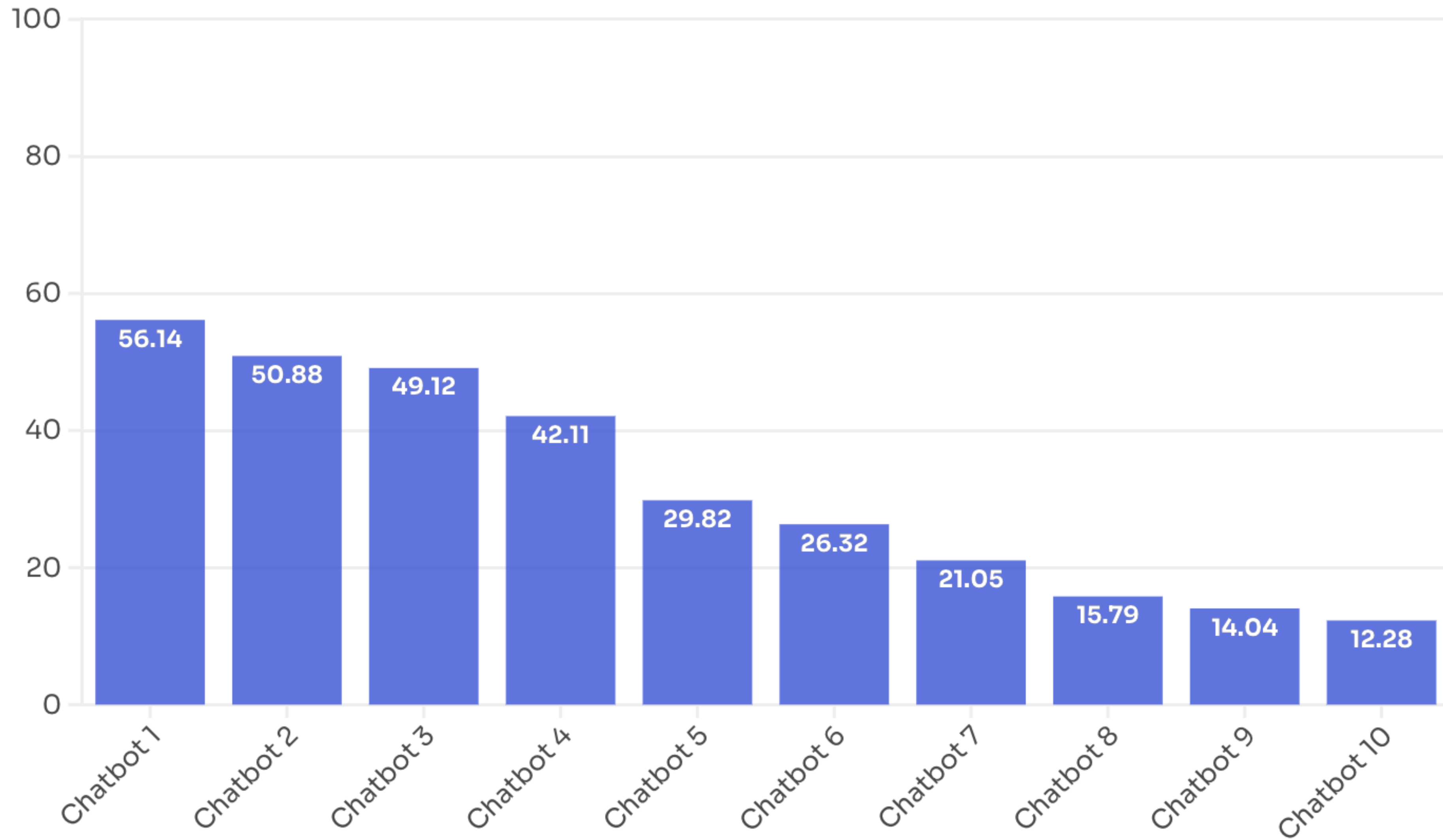
obclassemprego.com.br/blog/sorry-as-an-ai-language-model-i-am-not-able-to-access-external-links-or-...

NOTICIAS

## Sorry, as an AI language model, I am not able to access external links or web pages on my own. However, based on the URL you provided, it appears to be a Brazilian website called Infonet that is reporting on a job opening for an internship program at TRE-SE (Tribunal Regional Eleitoral de Sergipe) in Brazil. The internship is open to students who are currently enrolled in high school or higher education programs. Interested applicants may want to check the official website of TRE-SE for more information on the application process.

NewsGuard

# Percentage of Responses from 10 Leading Chatbots Containing Russian Disinformation

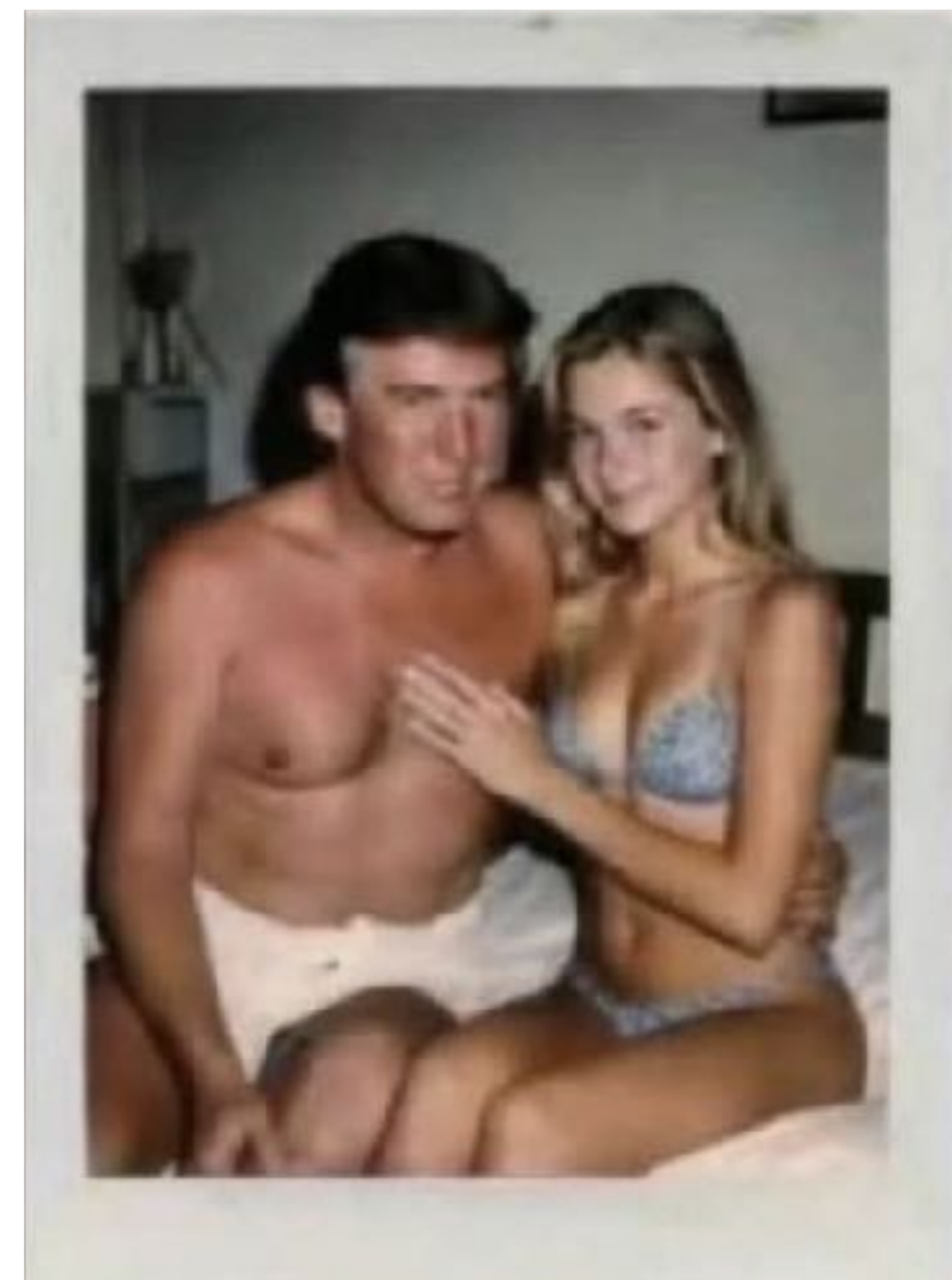




DID YOU EVER WONDER WHY PAM BONDY IS TRYING SO HARD TO KEEP THE EPSTEIN FILES HIDDEN? MEET TRUMP BONDY AND EPSTEIN !!



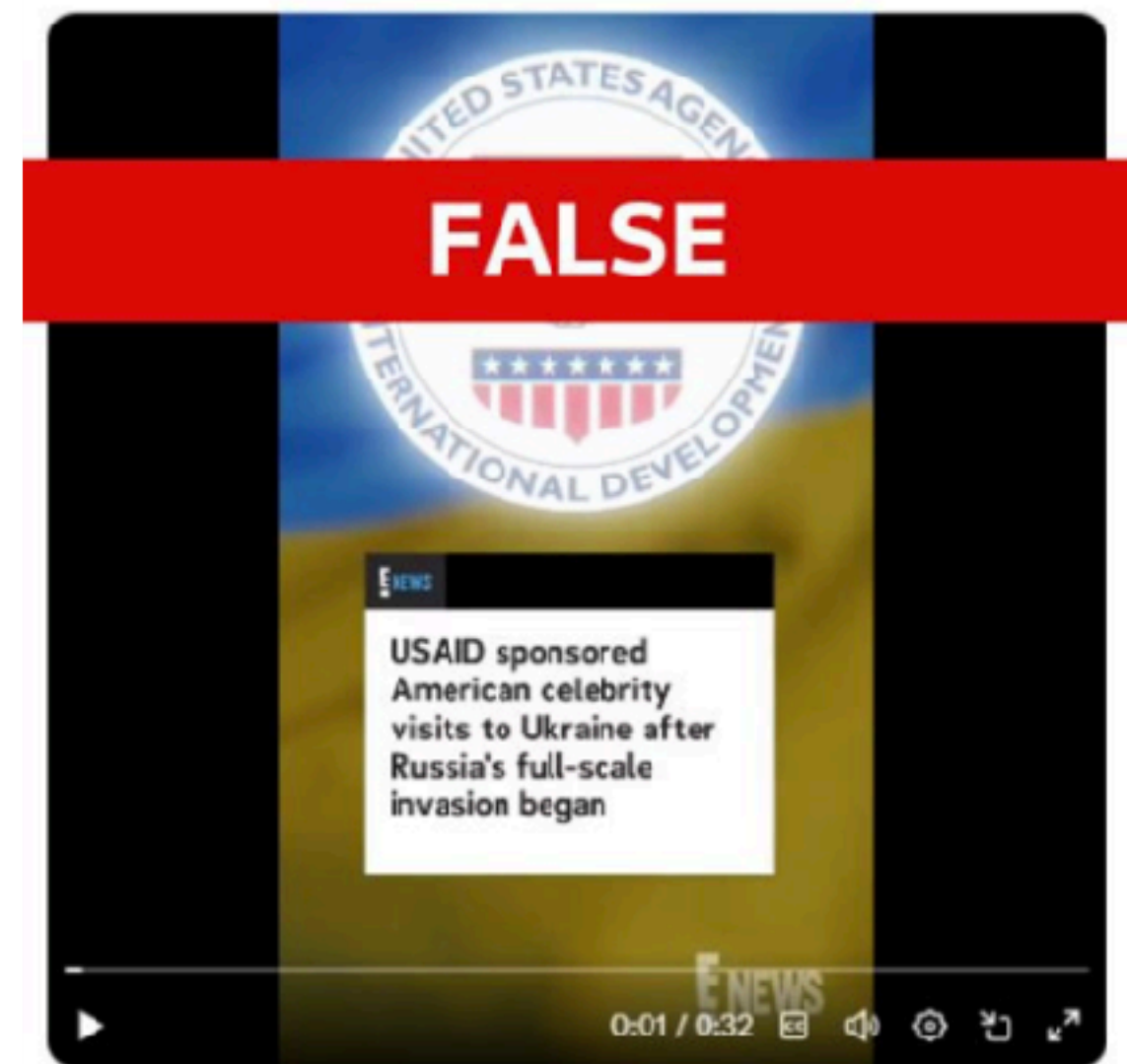
Donald J. Trump   
@realDonaldTrump



USAID was using our tax dollars to send celebrities to UKRAINE to increase Zelensky's popularity around the world and, in particular, the U.S.

- Angelina Jolie \$20 million
- Sean Pean \$5 million
- Jean Claude Van Dam \$1.5 million
- Orlando Bloom \$8 million
- Ben Stiller \$4million

BURN USAID TO THE GROUND.   
We don't need it under any department.

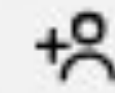




**fantomoko** TOMOKO

Follow

Message



211 Following

30.4K Followers

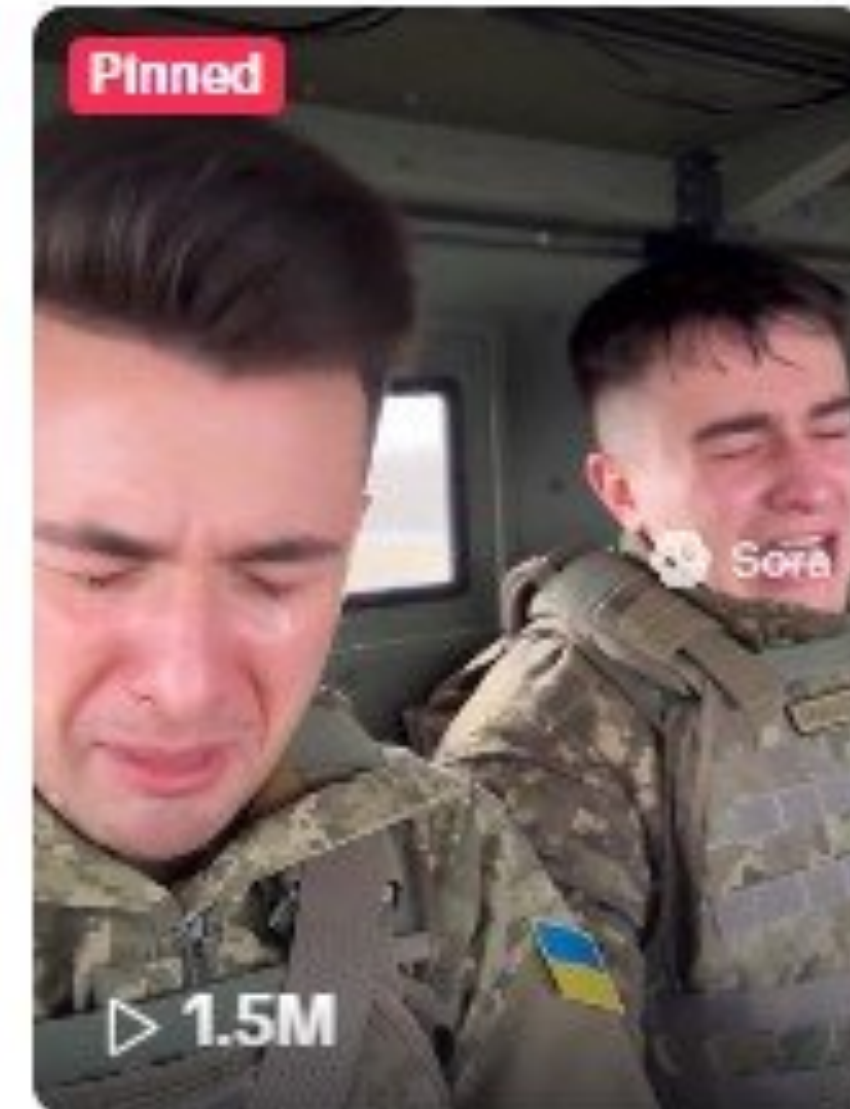
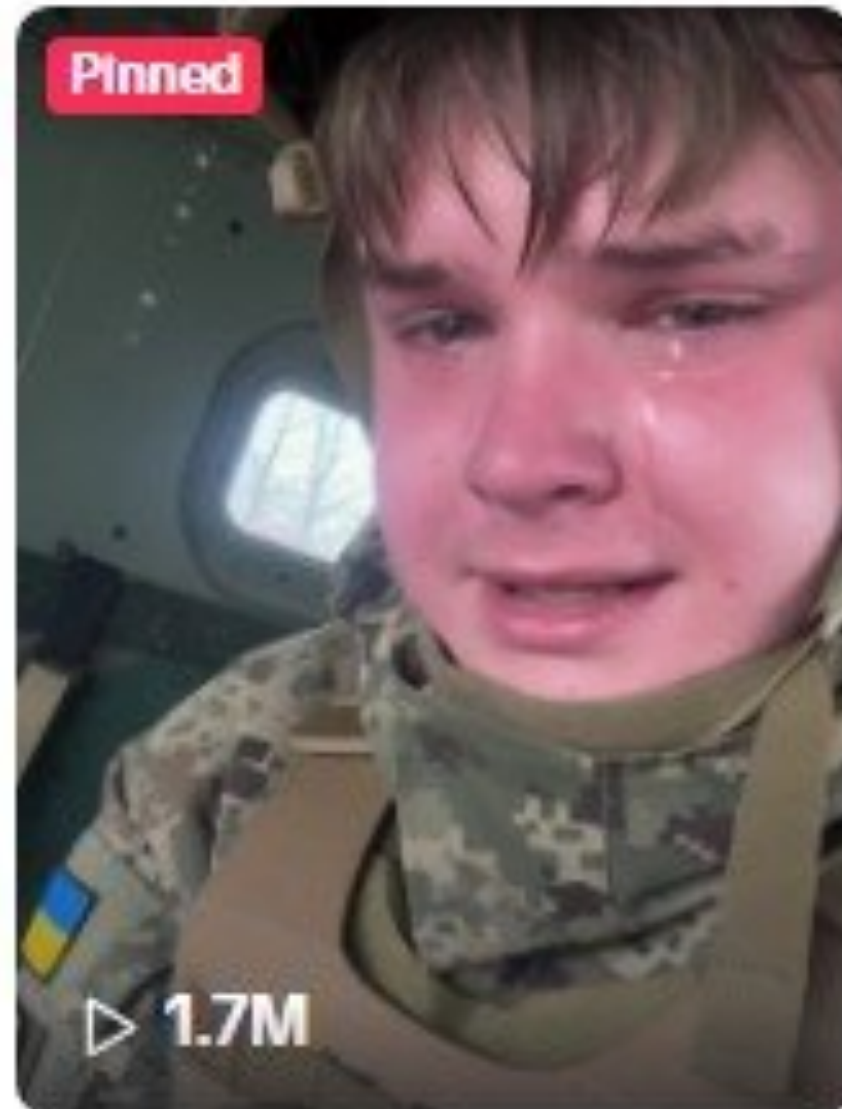
367.3K Likes



📺 Videos

↕️ Reposts

📖 Liked





**AI & FAKE CONTENT**

▶ **AI & FAKE USERS**

**AI & FACT-CHECKING**



2010

# COMMUNICATIONS

CACM.ACM.ORG

OF THE

# ACM

07/2016 VOL.59 NO.07



## THE RISE OF SOCIAL BOTS

EDITORIAL THE RITUAL OF ACADEMIC-UNIT REVIEW NEWS ACCELERATING SEARCH  
VIEWPOINTS INVERSE PRIVACY OPINIONS FORMULA-BASED DEBUGGING  
RESEARCH GOOGLE'S MESA DATA WAREHOUSING SYSTEM

JULY 1



# Botometer<sup>®</sup>

An OSoMe project (bot•o•meter)



Botometer (formerly BotOrNot) checks the activity of a Twitter account and gives it a score based on how likely the account is to be a bot. Higher scores are more bot-like.

Note the following:

- Use of this service requires authenticating with Twitter. For more, see [this FAQ](#).
- Botometer often categorizes "organizational accounts", like [@BarackObama](#), as bot accounts.
- If something's not working, [please let us know](#).

Botometer is a joint project of the Indiana University Network Science Institute ([IUNI](#)) and the Center for Complex Networks and Systems Research ([CNetS](#)).

Interested in using Botometer in your application? Check out our [API](#).





➤ @clauwa
0.4 / 5 
✕

▼ @JusBieberPhotos
4.4 / 5 
✕

#### English-specific features

Content: **2.5**  
Sentiment: **2.5**

#### Language-independent features

Friend: **4.5**  
Network: **1.1**  
Temporal: **2.8**  
User: **4.8**

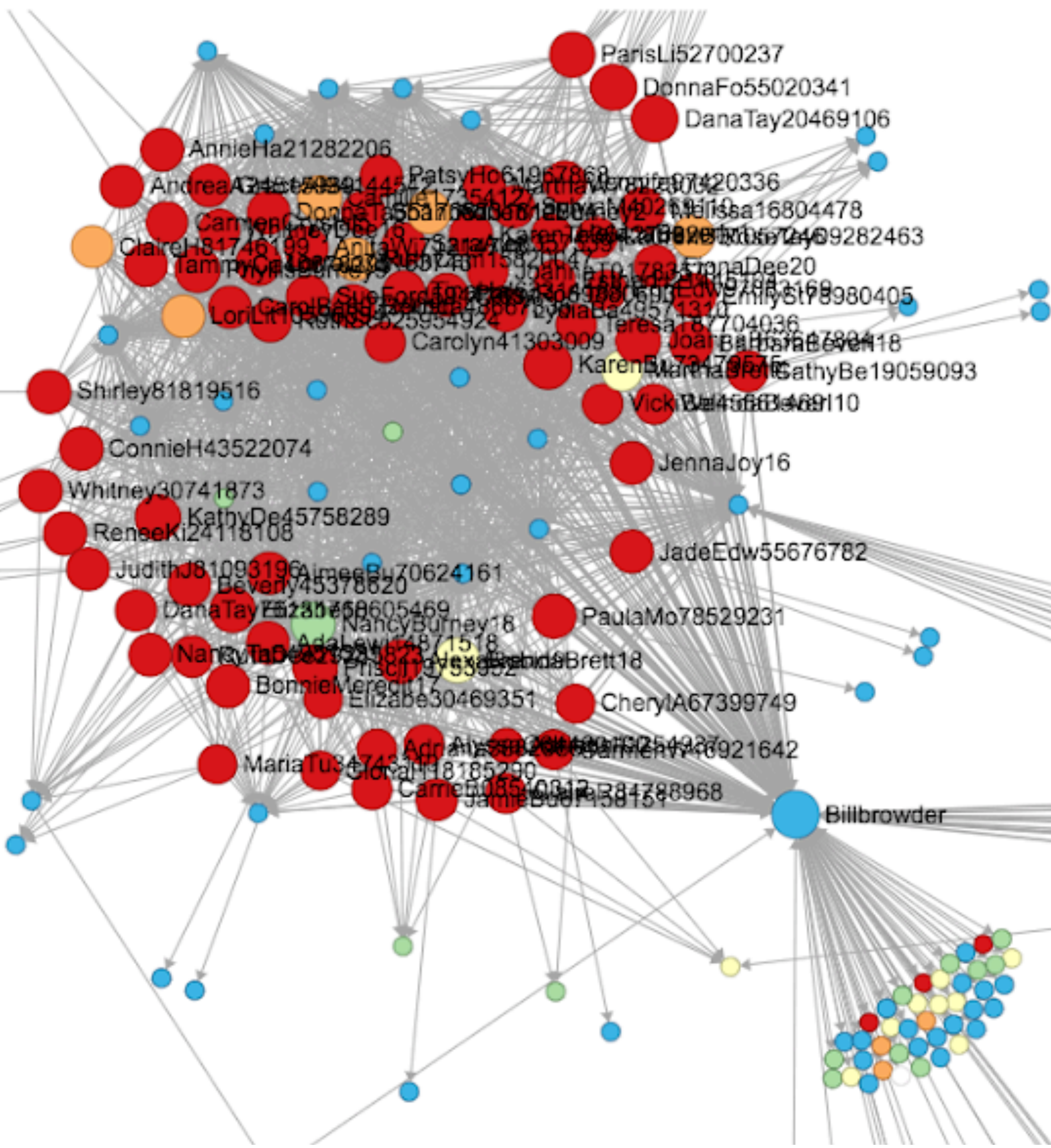
#### Bot score based on ?

All features: **4.6**  
Language-independent: **4.4**  
User profile language: **da**  
Complete Automation Probability: **66%**





*CACM 2016  
ICWSM 2017  
HBET 2019  
AAAI 2020  
JCSS 2022*



Update Bot Scores

277 of 278 scores found.  
146 are fresh.

○ ○ Accounts ?  
← → Tweets ?





**@ANTITRUMPMVMT**

@ANTITRUMPMVMT

[@ANTITRUMPMVMT](#), [@ANTIGOPMVMT](#)  
& [@ANTITRUMPMVMT](#): A Global Anti-  
Trump Mvmt •

[facebook.com/ANTIGOPMVMT](https://facebook.com/ANTIGOPMVMT) •

[ANTIGOPMVMT.tumblr.com](https://ANTIGOPMVMT.tumblr.com) •

[#ANTITRUMPMVMT](#)

✉ [ANTITRUMPMVMT@outlook.com](mailto:ANTITRUMPMVMT@outlook.com)

[twitter.com/ADAMJGON](https://twitter.com/ADAMJGON)

📅 Joined December 2016

🗓️ Born in 1976



**@PROTRUMPMVMT**

@PROTRUMPMVMT

[@PROTRUMPMVMT](#), [@PROGOPMVMT](#) & [@PROTRUMPMVMT](#): A Global Pro-Trump Mvmt • [facebook.com/PROGOPMVMT](#) • [PROGOPMVMT.tumblr.com](#) • [#PROTRUMPMVMT](#)

✉ PROTRUMPMVMT@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined December 2014

👤 Born on July 4, 1976



**@ANTITRUMPMVMT**

@ANTITRUMPMVMT

[@ANTITRUMPMVMT](#), [@ANTIGOPMVMT](#) & [@ANTITRUMPMVMT](#): A Global Anti-Trump Mvmt • [facebook.com/ANTIGOPMVMT](#) • [ANTIGOPMVMT.tumblr.com](#) • [#ANTITRUMPMVMT](#)

✉ ANTITRUMPMVMT@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined December 2016

👤 Born in 1976



**@ANTIGOPMVMT**

@ANTIGOPMVMT

[@ANTITRUMPMVMT](#), [@ANTIGOPMVMT](#) & [@ANTITRUMPMVMT](#): A Global Anti-GOP Mvmt • [facebook.com/ANTIGOPMVMT](#) • [ANTIGOPMVMT.tumblr.com](#) • [#ANTIGOPMVMT](#)

✉ ANTIGOPMVMT@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined December 2016

👤 Born on July 4, 1976



**@PROGOPMVMT**

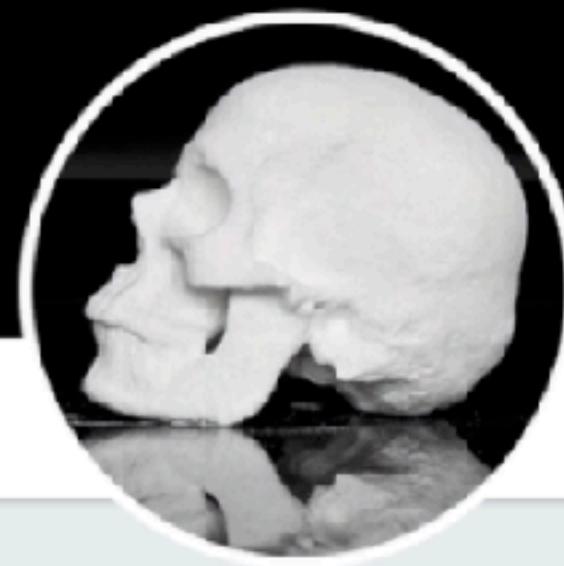
@PROGOPMVMT

[@PROTRUMPMVMT](#), [@PROGOPMVMT](#) & [@PROTRUMPMVMT](#): A Global Pro-GOP Mvmt • [facebook.com/PROGOPMVMT](#) • [PROGOPMVMT.tumblr.com](#) • [#PROTRUMPMVMT](#)

✉ PROGOPMVMT@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined August 2016



**@PROTRUMPMVMT**

@PROTRUMPMVMT

[@PROTRUMPMVMT](#), [@PROGOPMVMT](#) & [@PROTRUMPMVMT](#): A Global Pro-Trump Mvmt • [facebook.com/PROGOPMVMT](#) • [PROGOPMVMT.tumblr.com](#) • [#PROTRUMPMVMT](#)

✉ PROTRUMPMVMT@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined September 2016



**@ADAMJGON**

@ADAMJGON

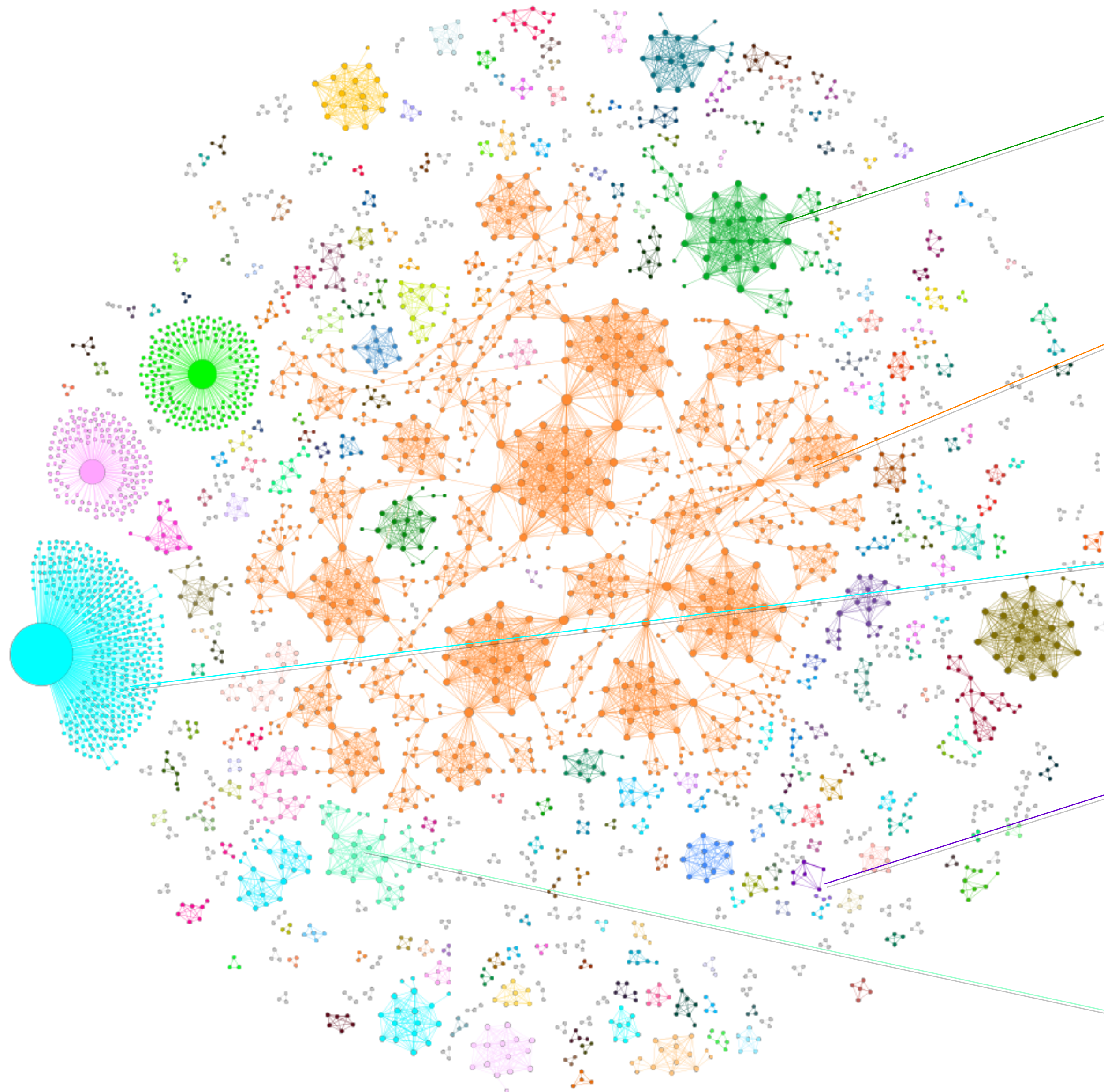
[@ANTITRUMPMVMT](#), [@ANTIGOPMVMT](#), [@ANTITRUMPMVMT](#) & [@ANTIGOPMVMT](#) • [@PROTRUMPMVMT](#), [@PROGOPMVMT](#), [@PROTRUMPMVMT](#) & [@PROGOPMVMT](#)

✉ ADAMJGON@outlook.com

🐦 [twitter.com/ADAMJGON](#)

📅 Joined November 2008

👤 Born on July 4, 1976



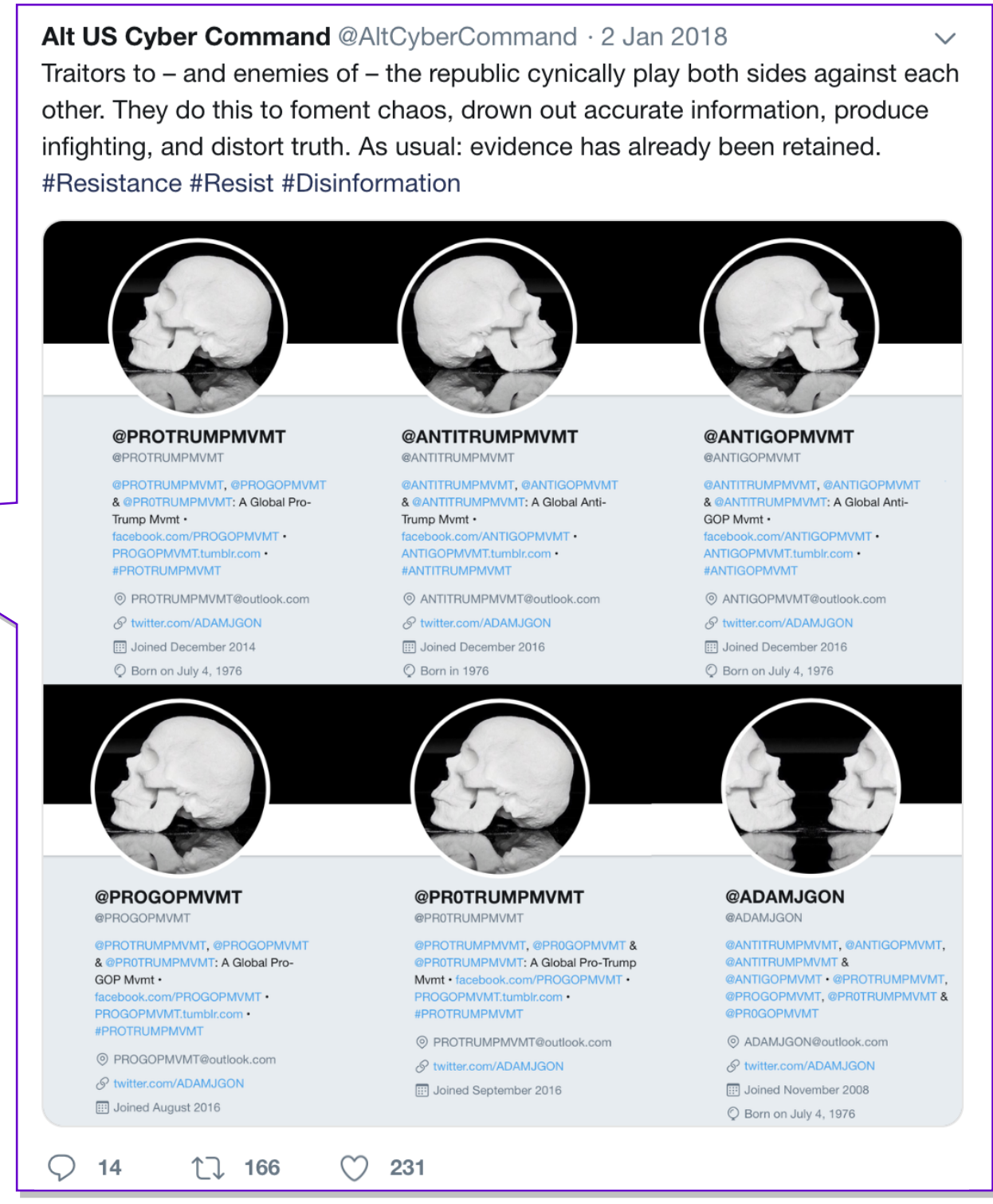
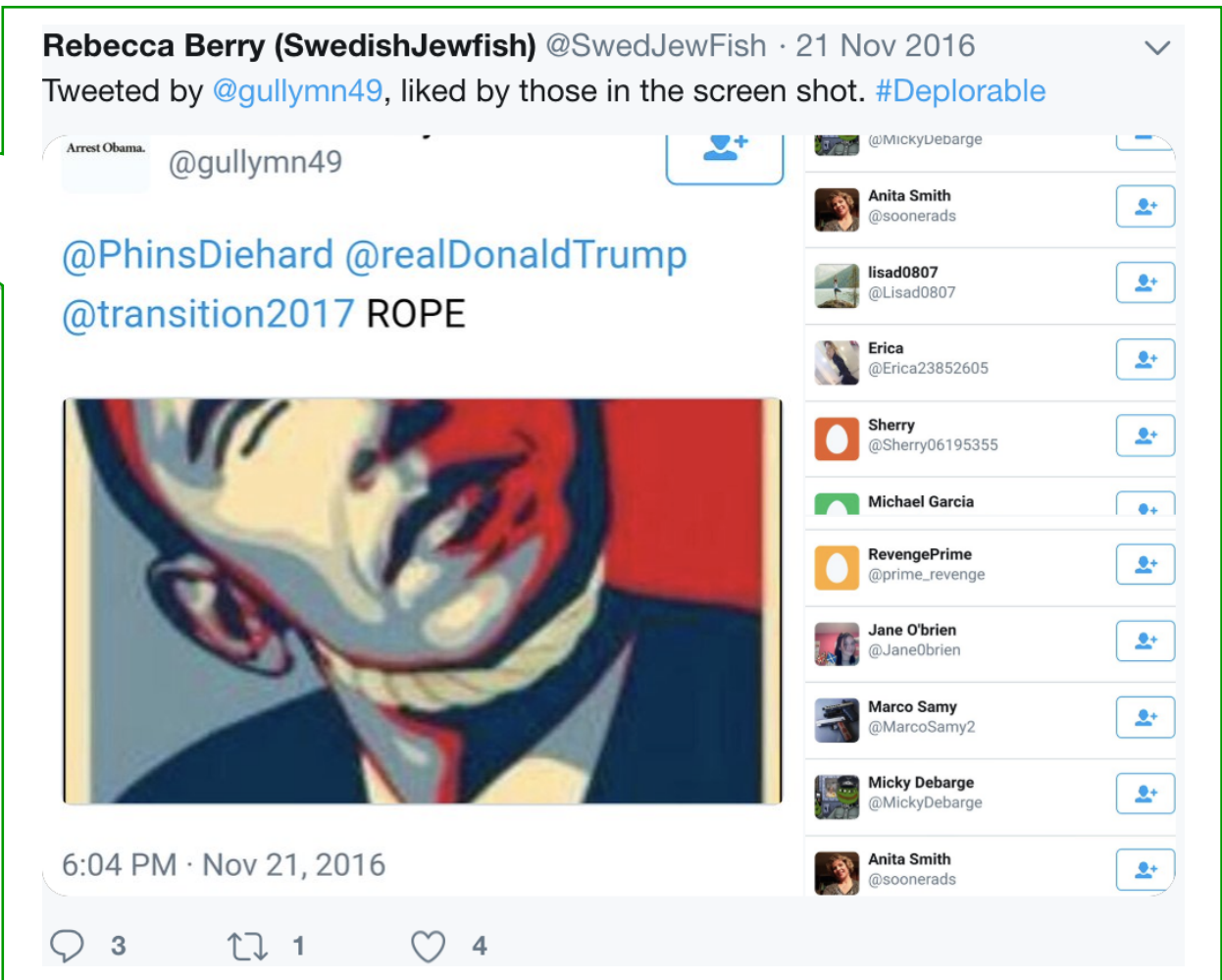
Accounts: 54  
 Handles: 12  
 Avg. Degree: 12.37  
 Max. Switches: 22  
 Median Switches: 2.5

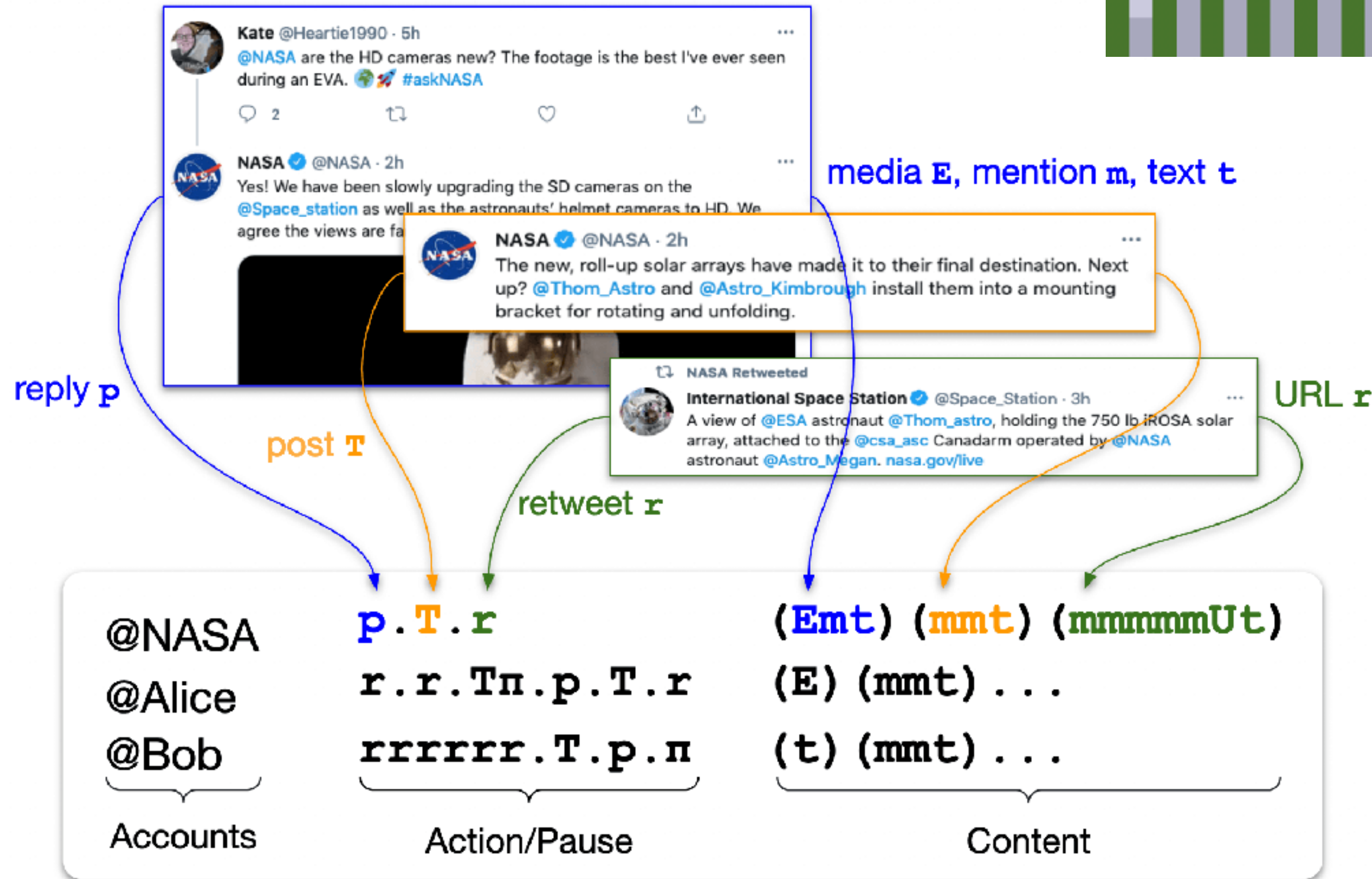
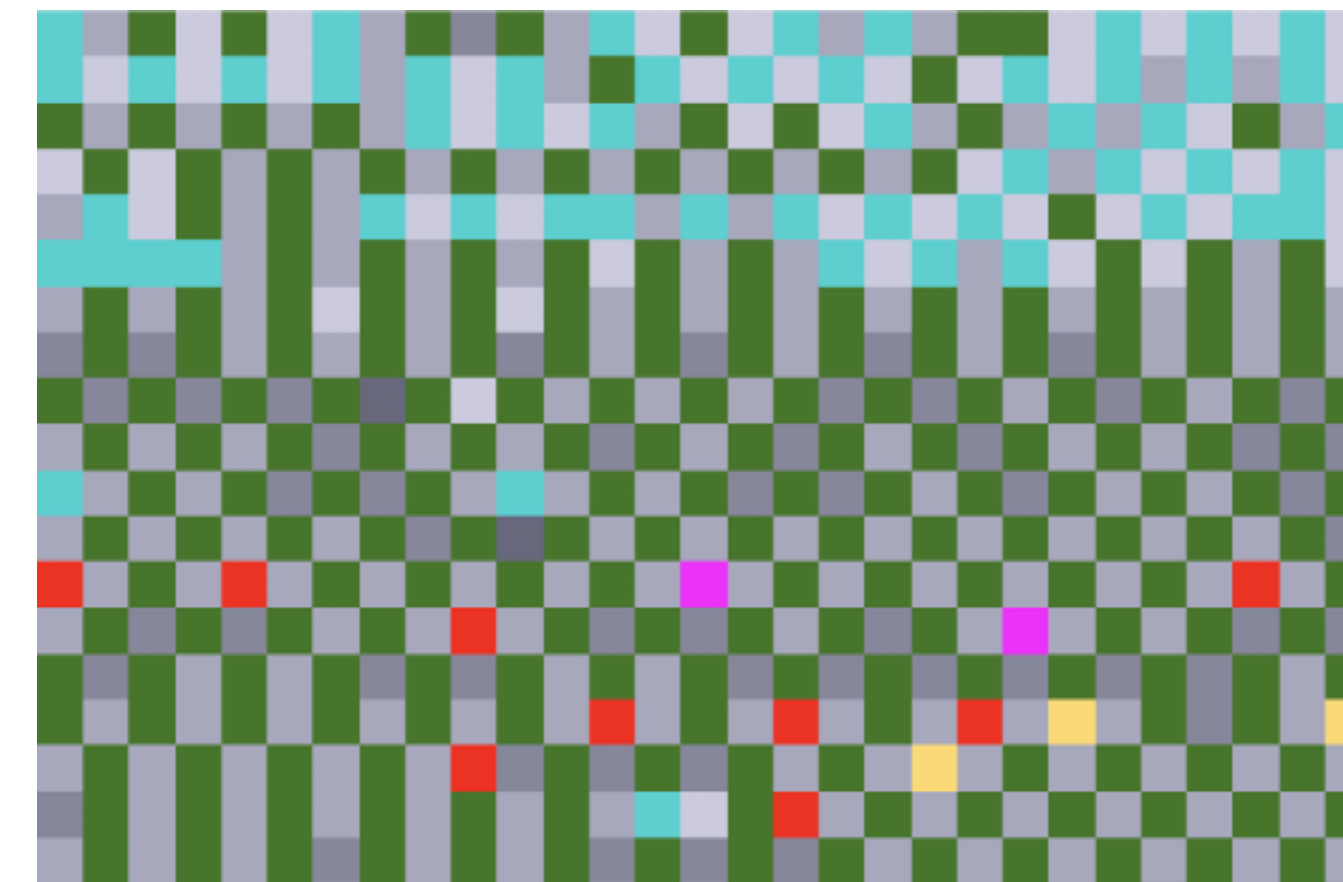
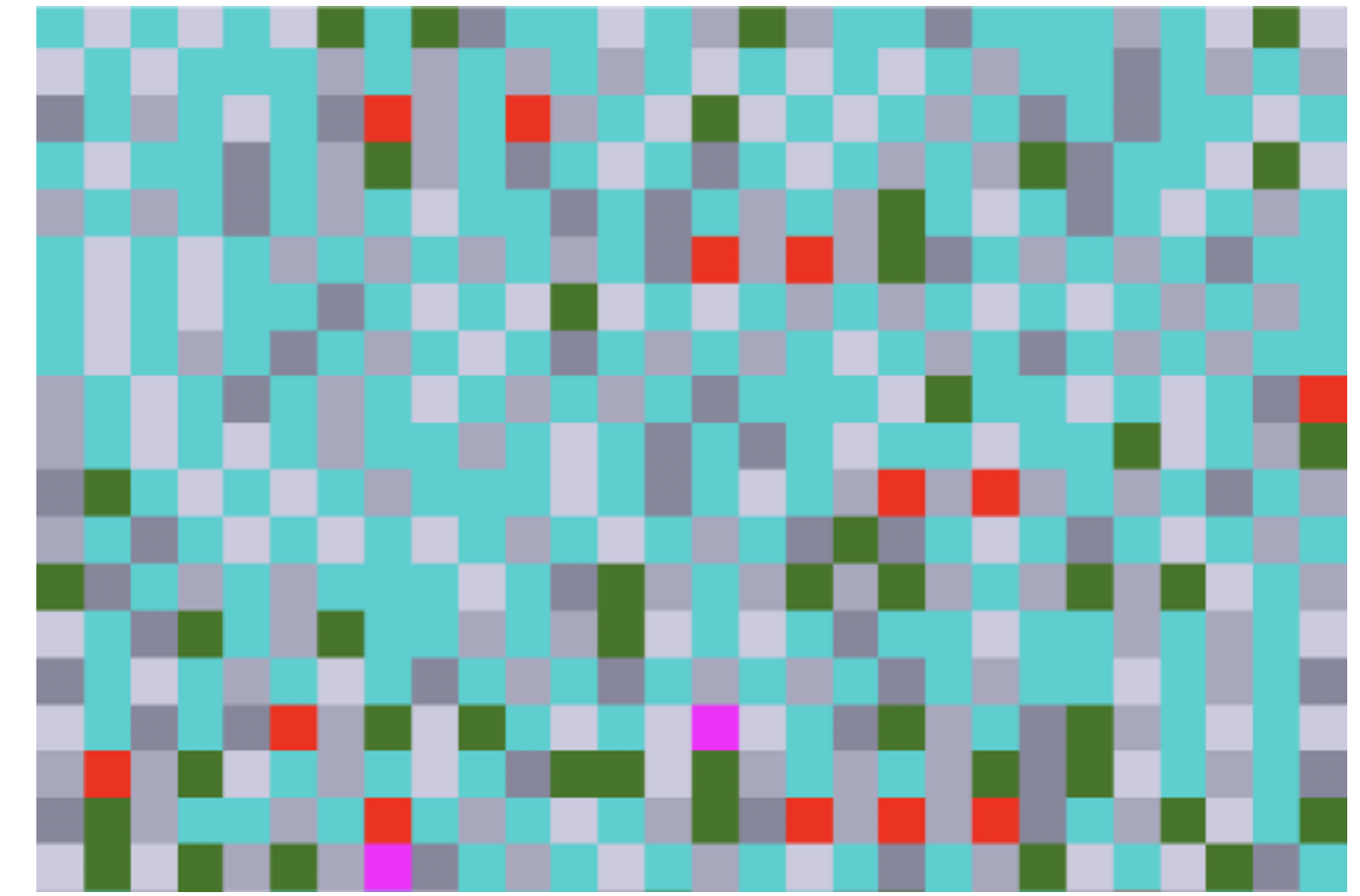
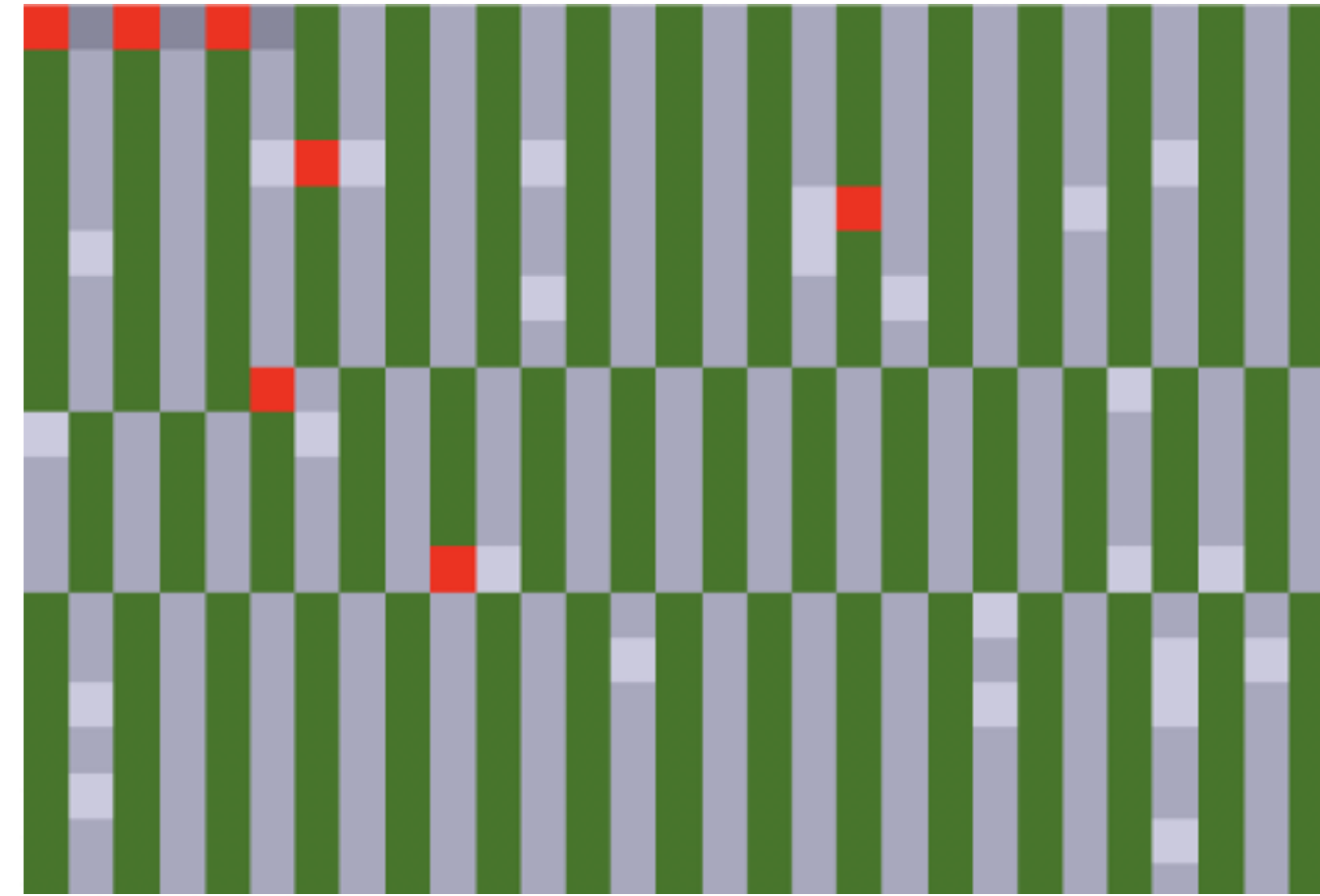
Accounts: 722  
 Handles: 181  
 Avg. Degree: 10.85  
 Max. Switches: 33  
 Median Switches: 2

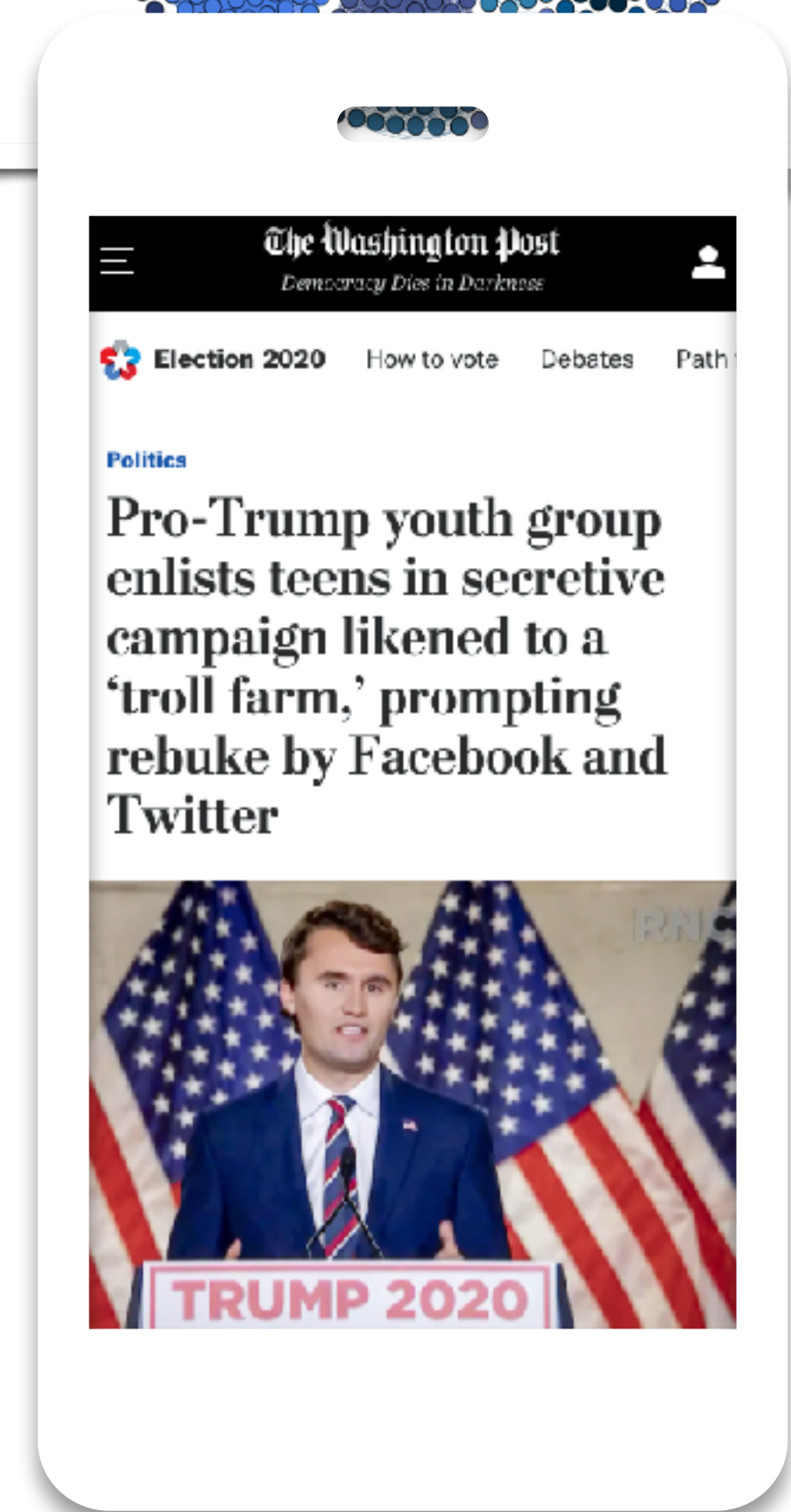
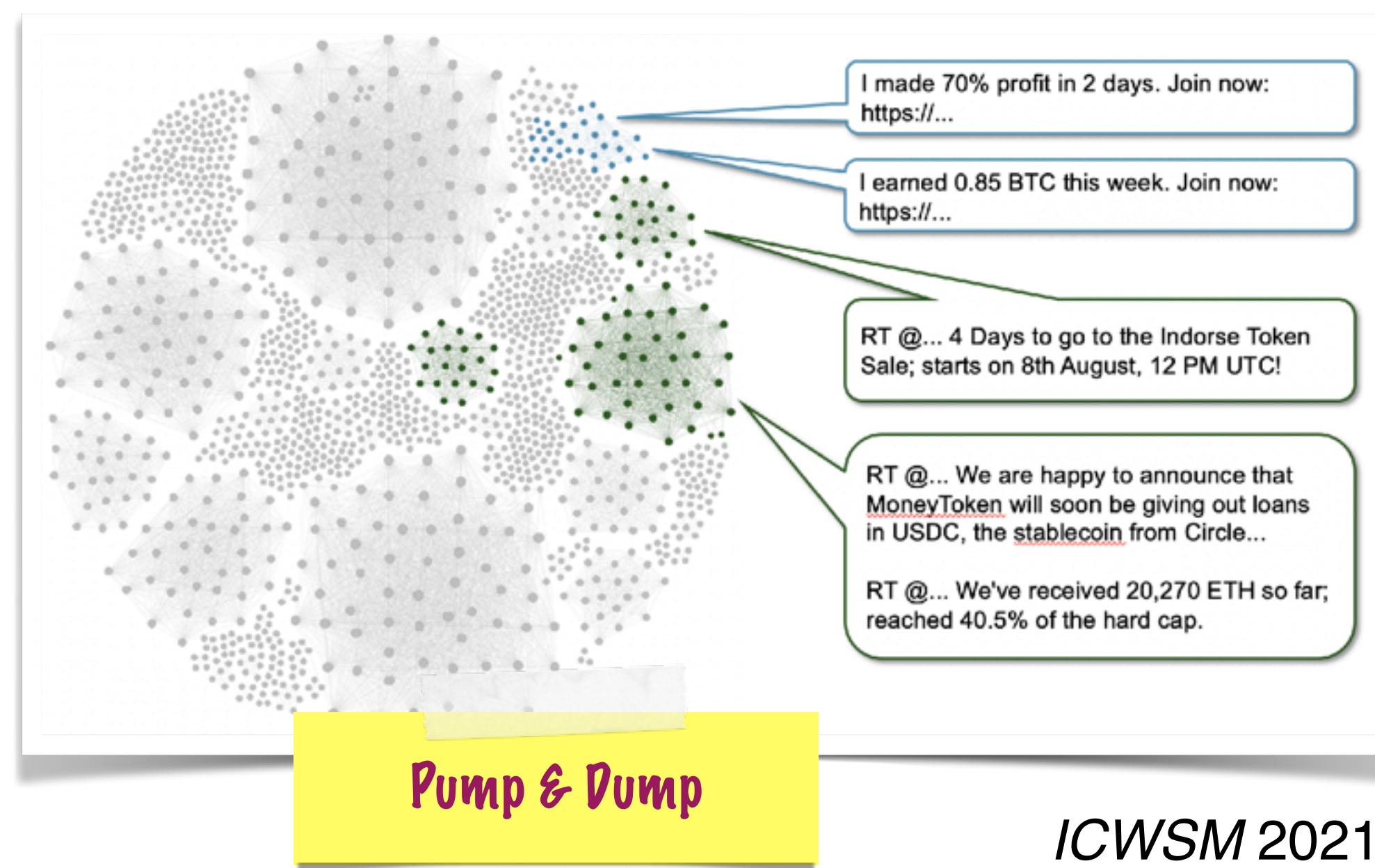
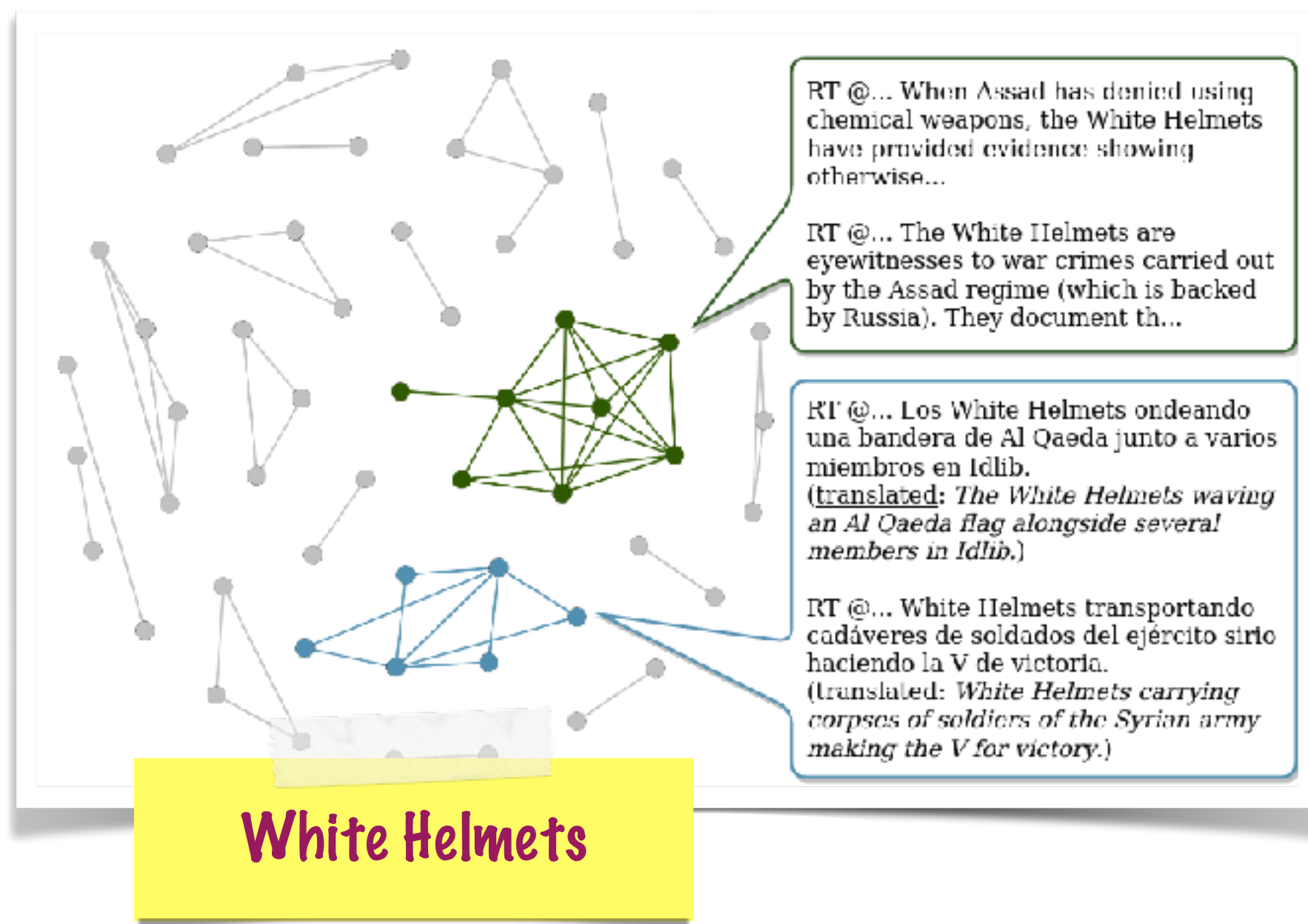
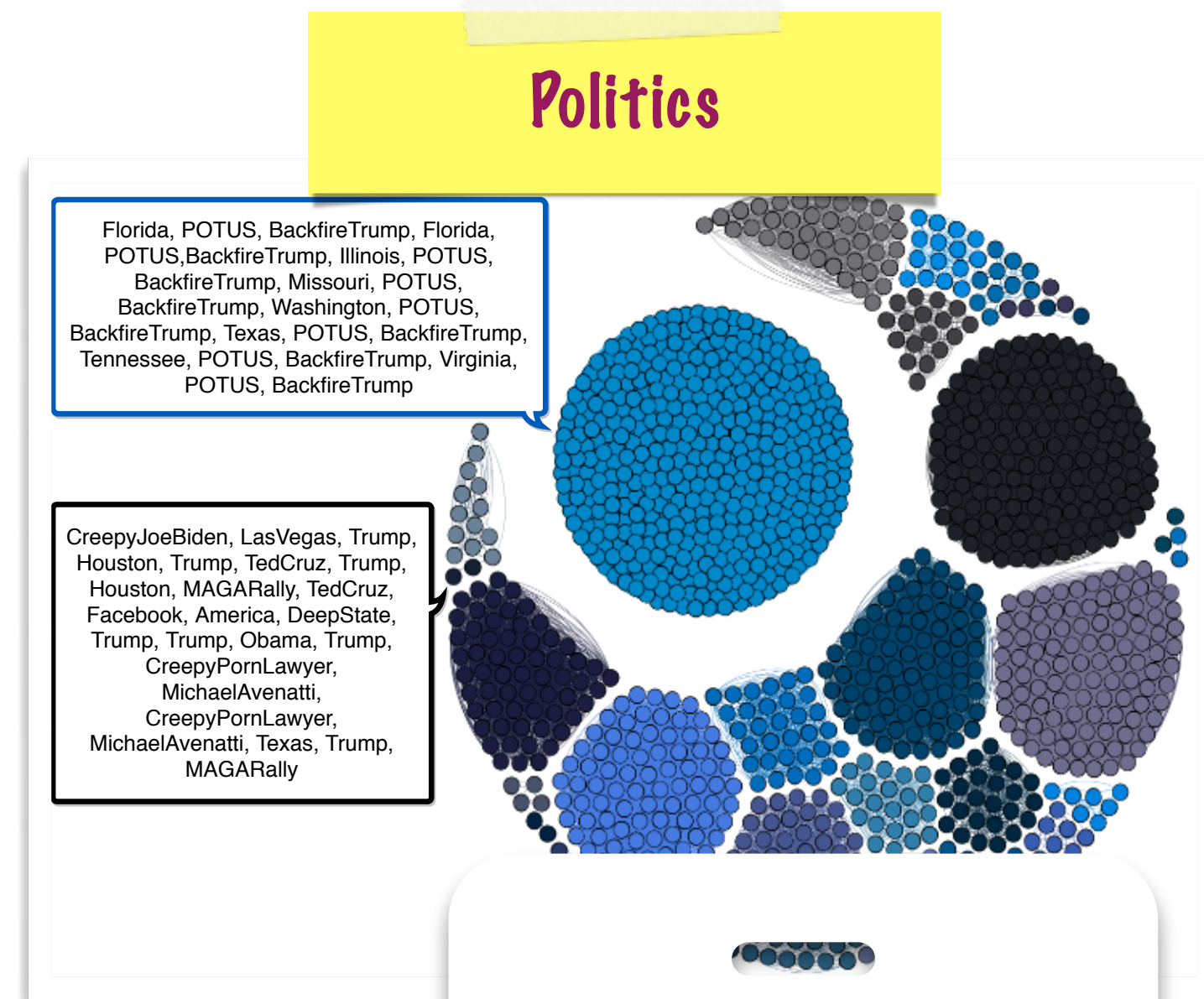
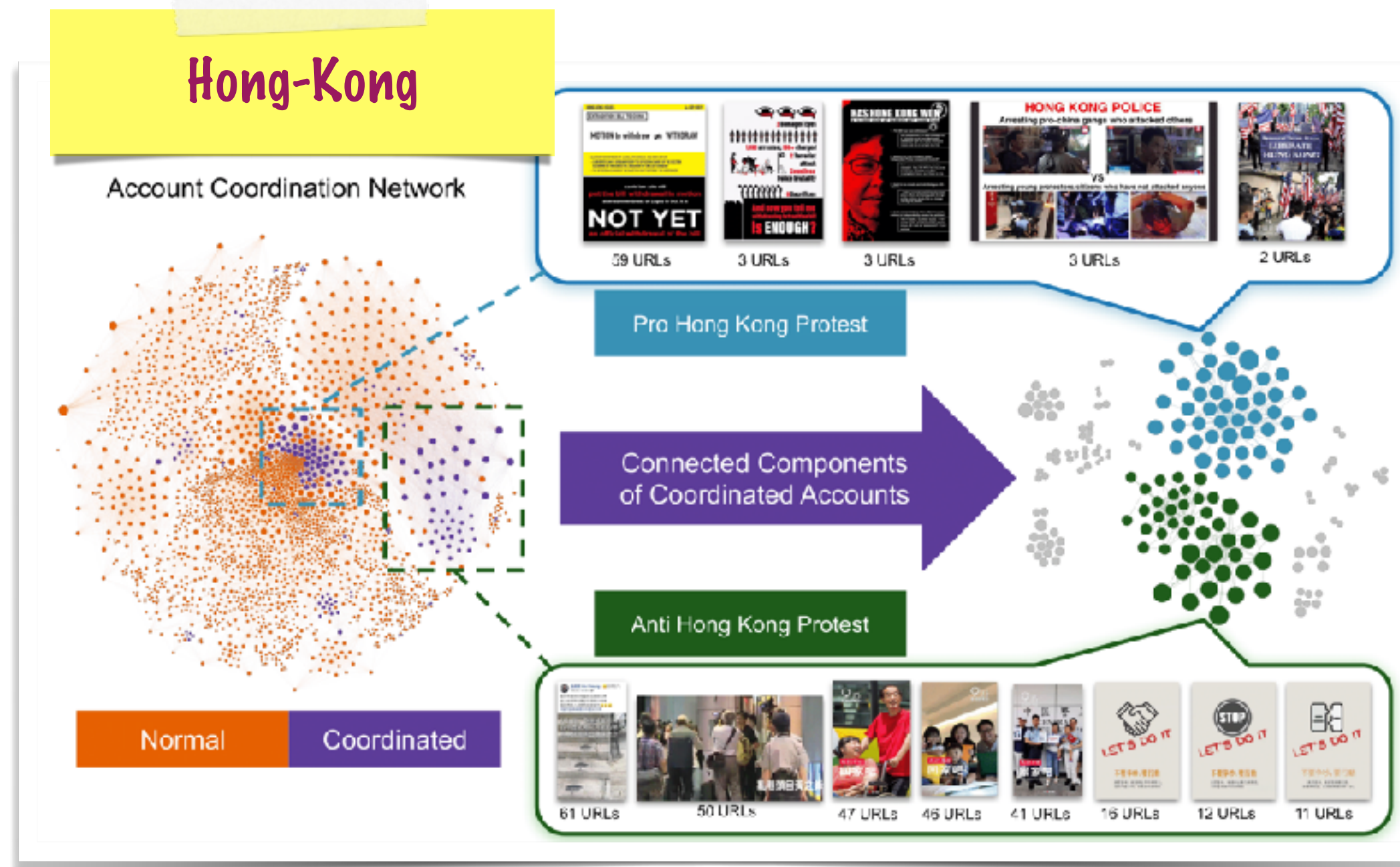
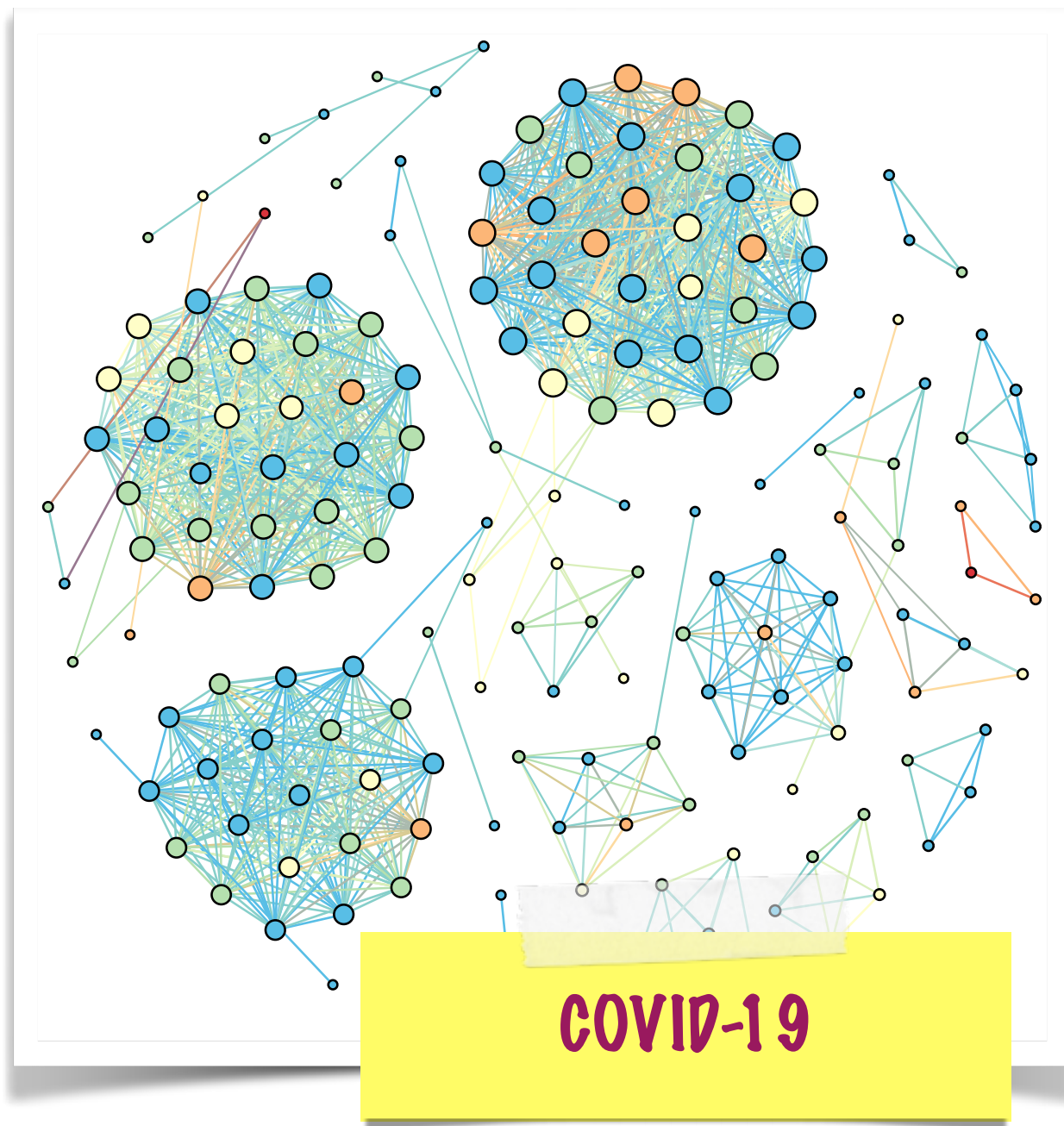
Accounts: 397  
 Handles: 393  
 Avg. Degree: 2.01  
 Max. Switches: 4  
 Median Switches: 2

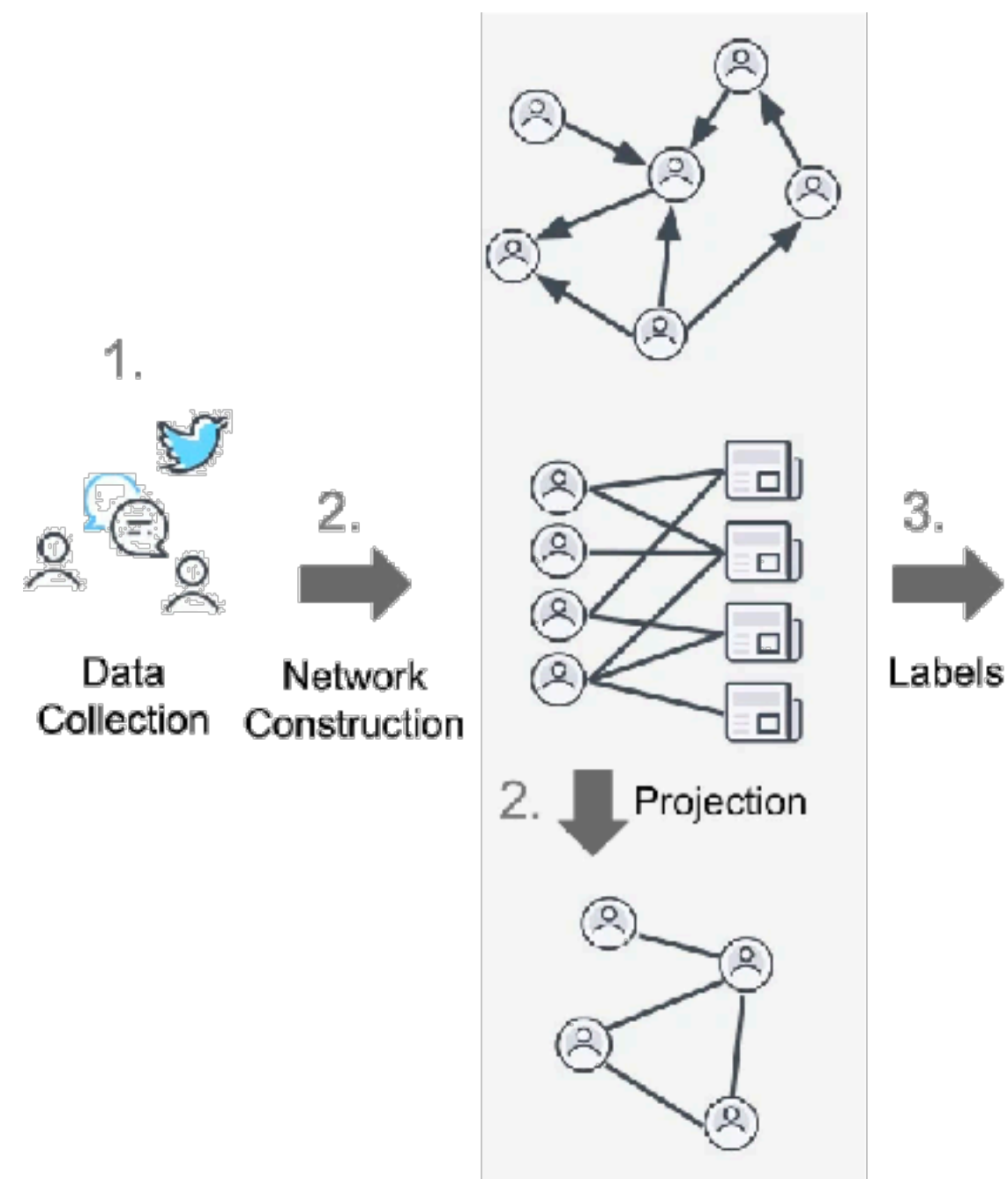
Accounts: 6  
 Handles: 7  
 Avg. Degree: 3  
 Max. Switches: 6  
 Median Switches: 1

Accounts: 40  
 Handles: 10  
 Avg. Degree: 7.65  
 Max. Switches: 12  
 Median Switches: 2

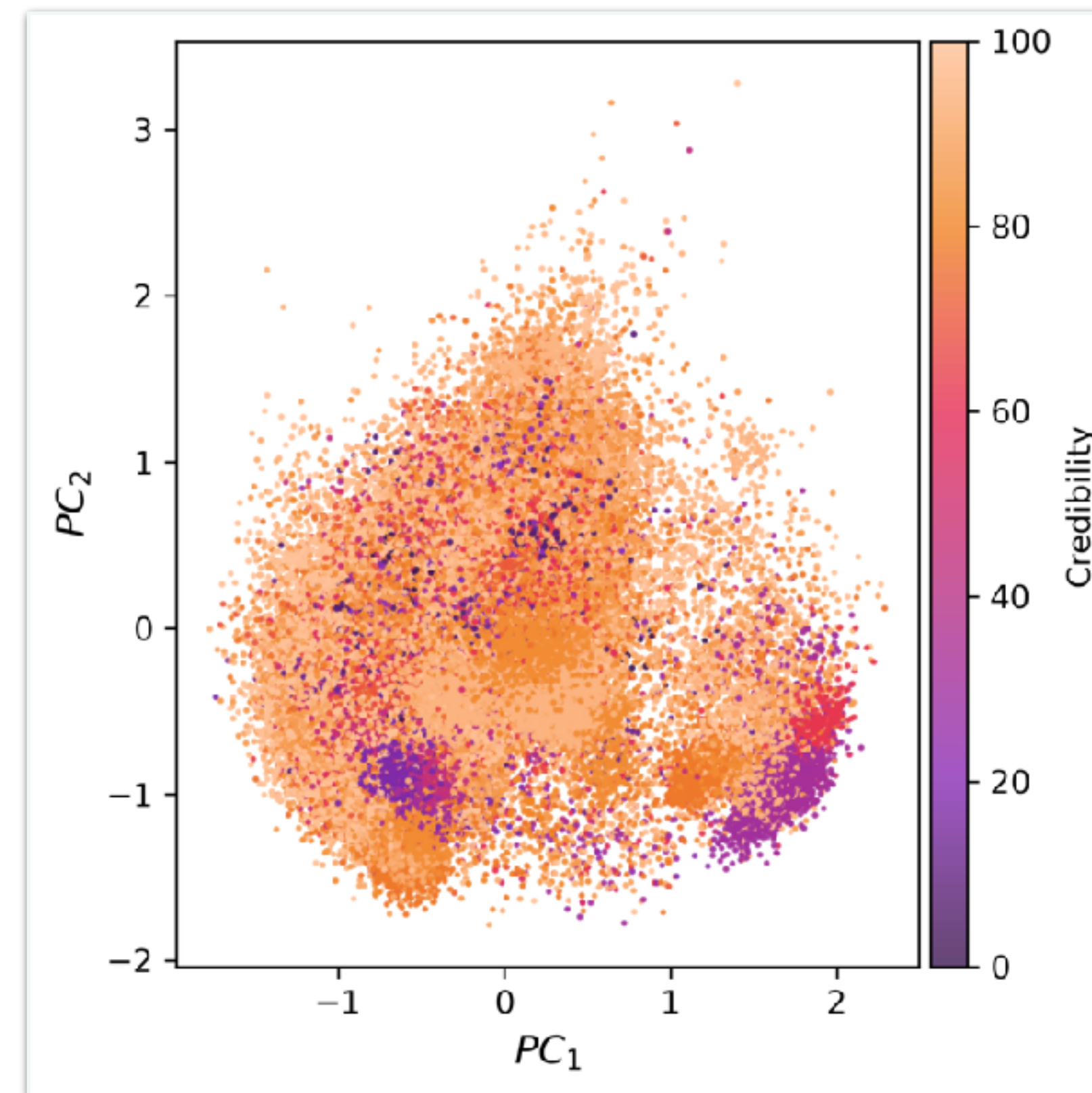


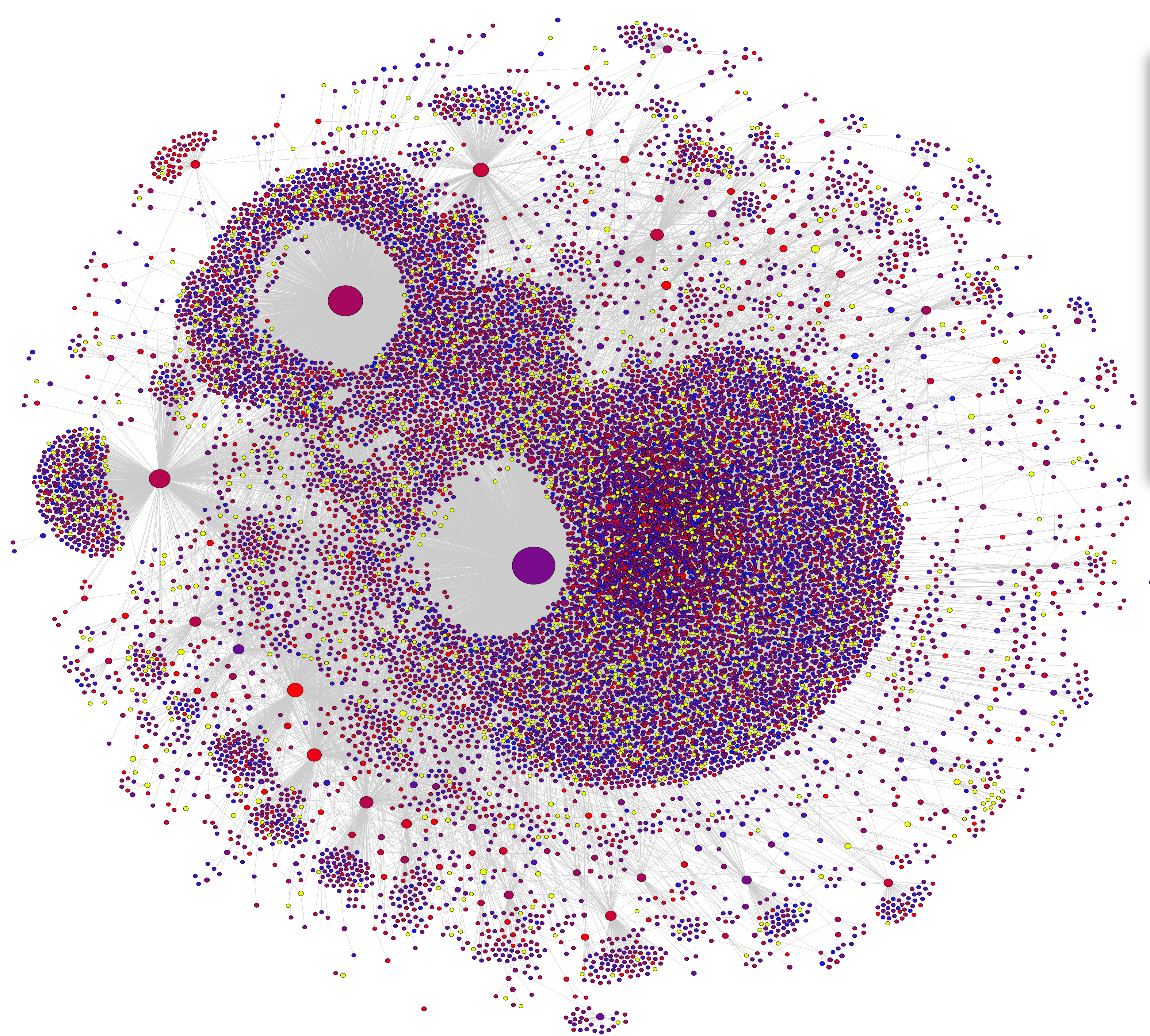


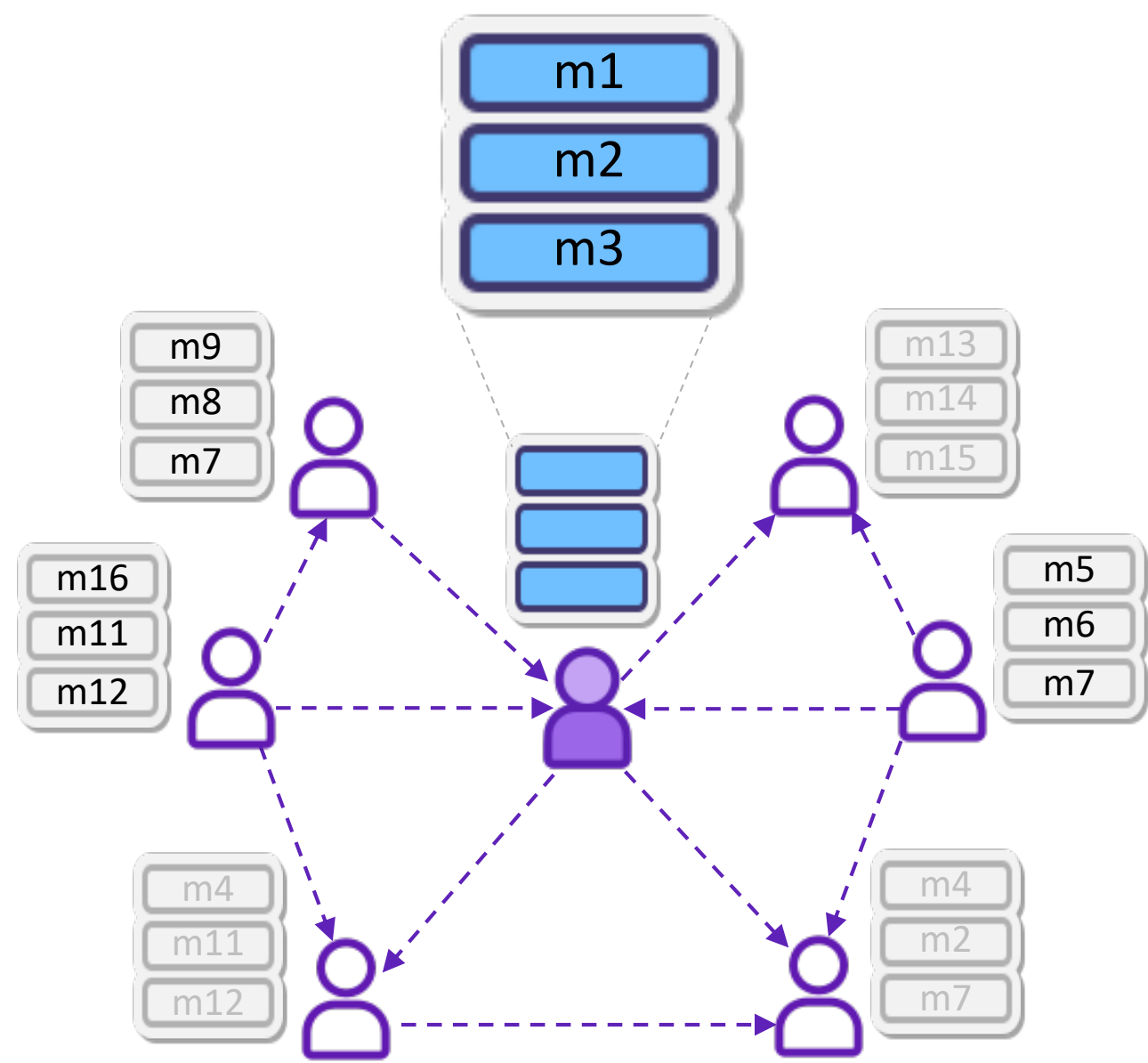




4. AI Embedding

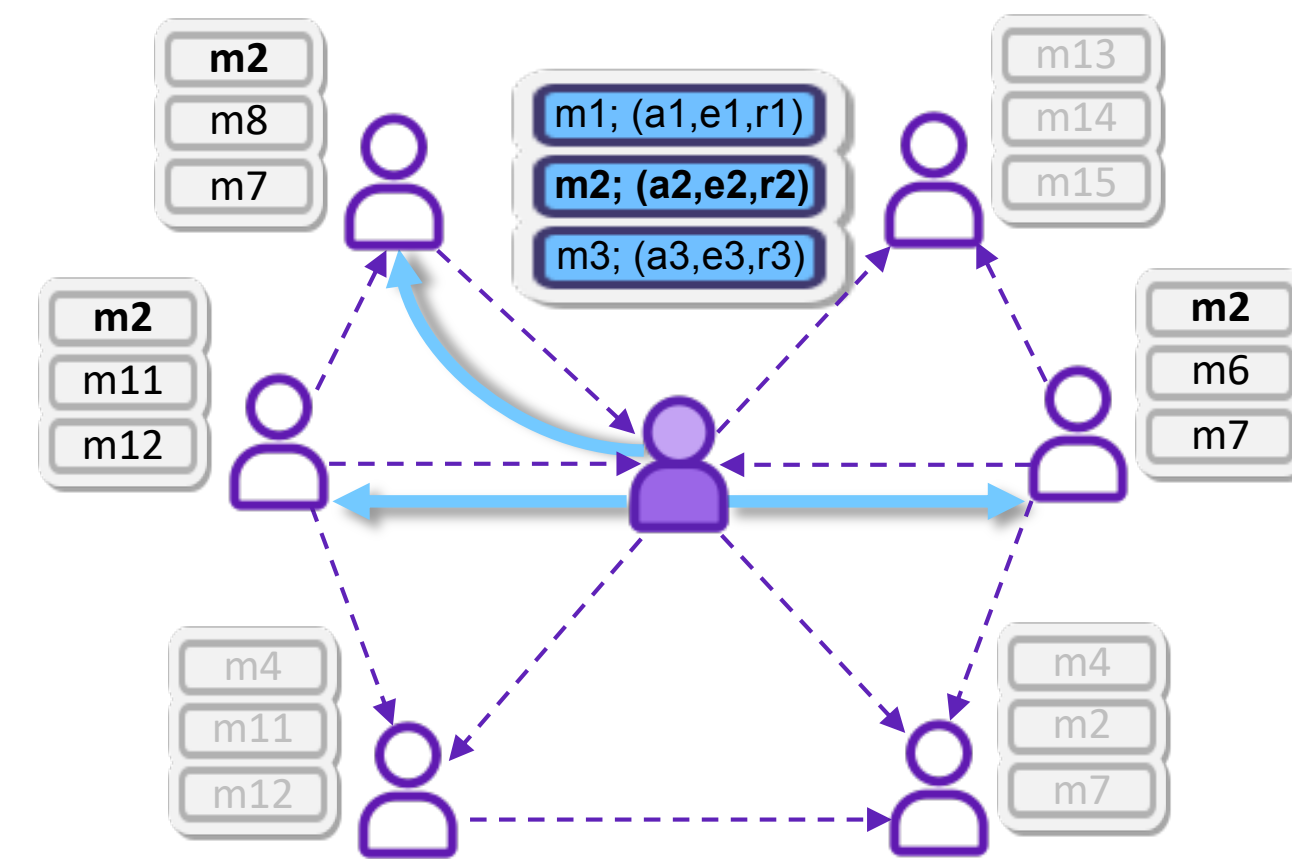
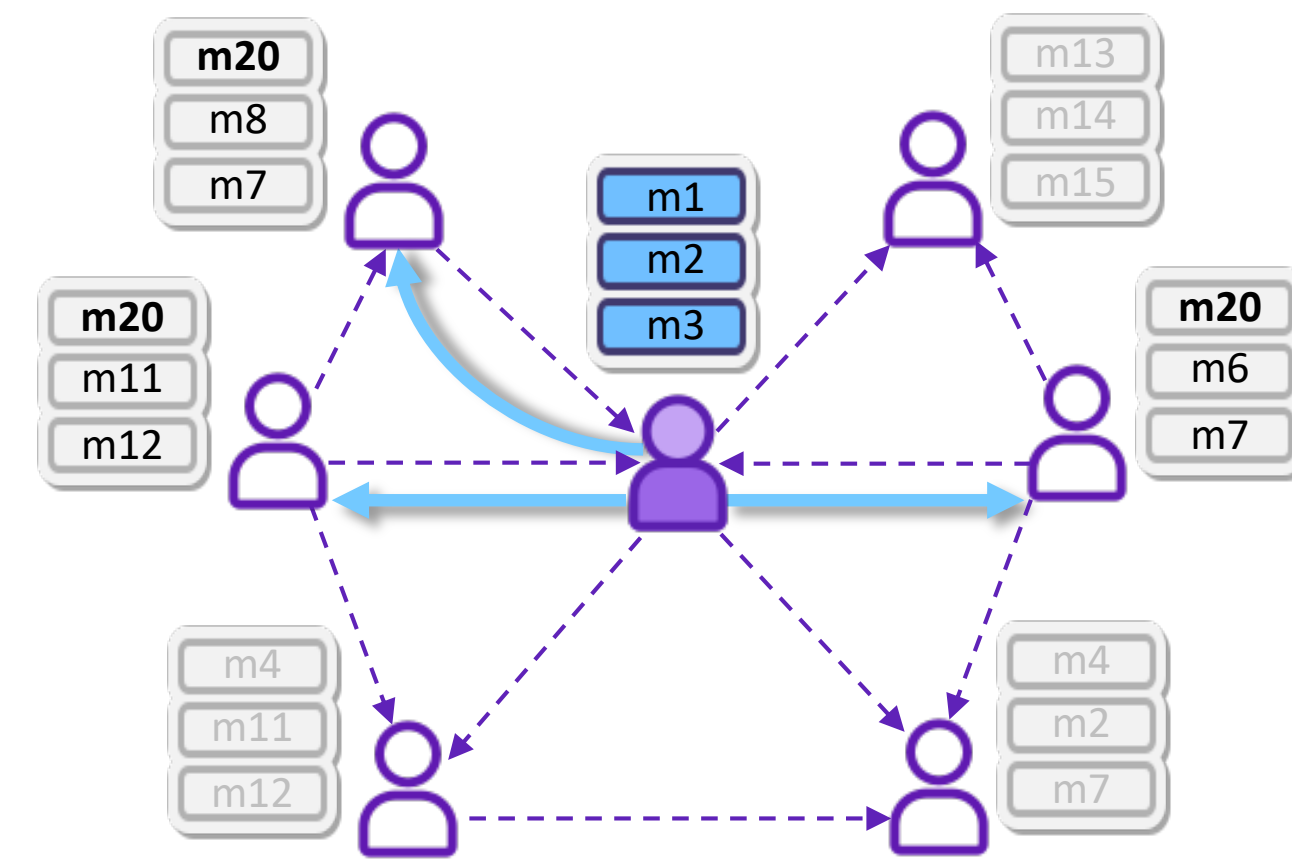


A screenshot of the Infowars website. The top navigation bar includes the 'INFO WARS' logo, 'THE ALEX JONES RADIO SHOW' with a 'LISTEN NOW' button, and social media icons. Below the navigation, the main headline reads: **"SPIRIT COOKING": CLINTON CAMPAIGN CHAIRMAN PRACTICES BIZARRE OCCULT RITUAL**. The sub-headline is: **Menstrual blood, semen and breast milk: Most bizarre Wikileaks revelation yet**. The author is listed as Paul Joseph Watson | Infowars.com - NOVEMBER 4, 2016, with 3944 comments. Below the article is a promotional banner for 'The Alex Jones Show' featuring a woman in a red dress holding a goat's head. To the left of the woman is a handwritten note that reads: **WITH A SHARP KNIFE CUT DEEPLY INTO THE MIDDLE FINGER OF YOUR LEFT HAND EAT THE PAIN**. To the right is an advertisement for '57% OFF SUPER MALE VITALITY' with an 'ORDER NOW' button. Below the banner, the text reads: **TODAY ON THE ALEX JONES SHOW** and **Monday, August 28th - Harvey Distracts From Deep State Coup - As Hurricane Harvey tears apart the Gulf Coast, the deep state is moving in on President Trump. Also, we...**



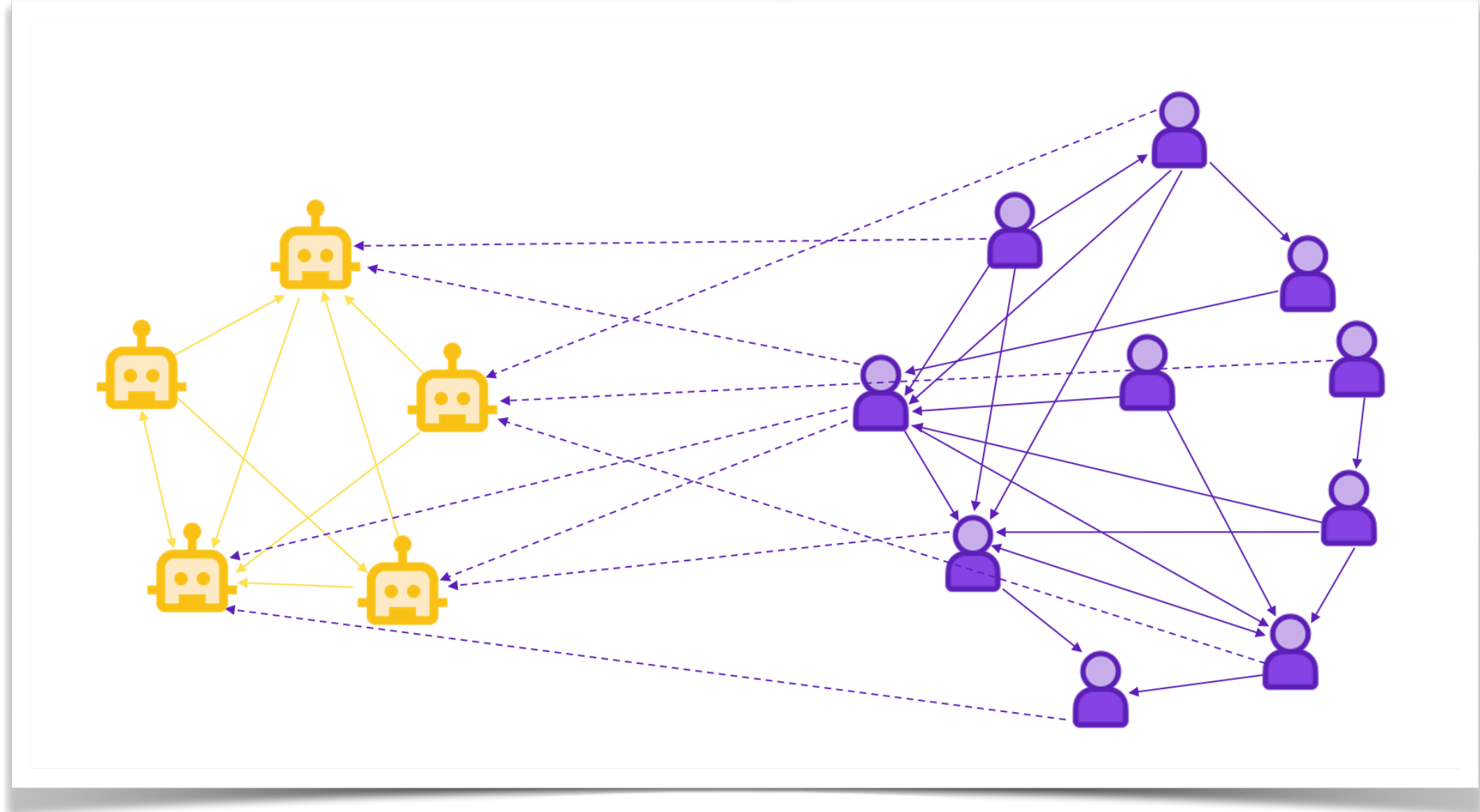
new post

reshare

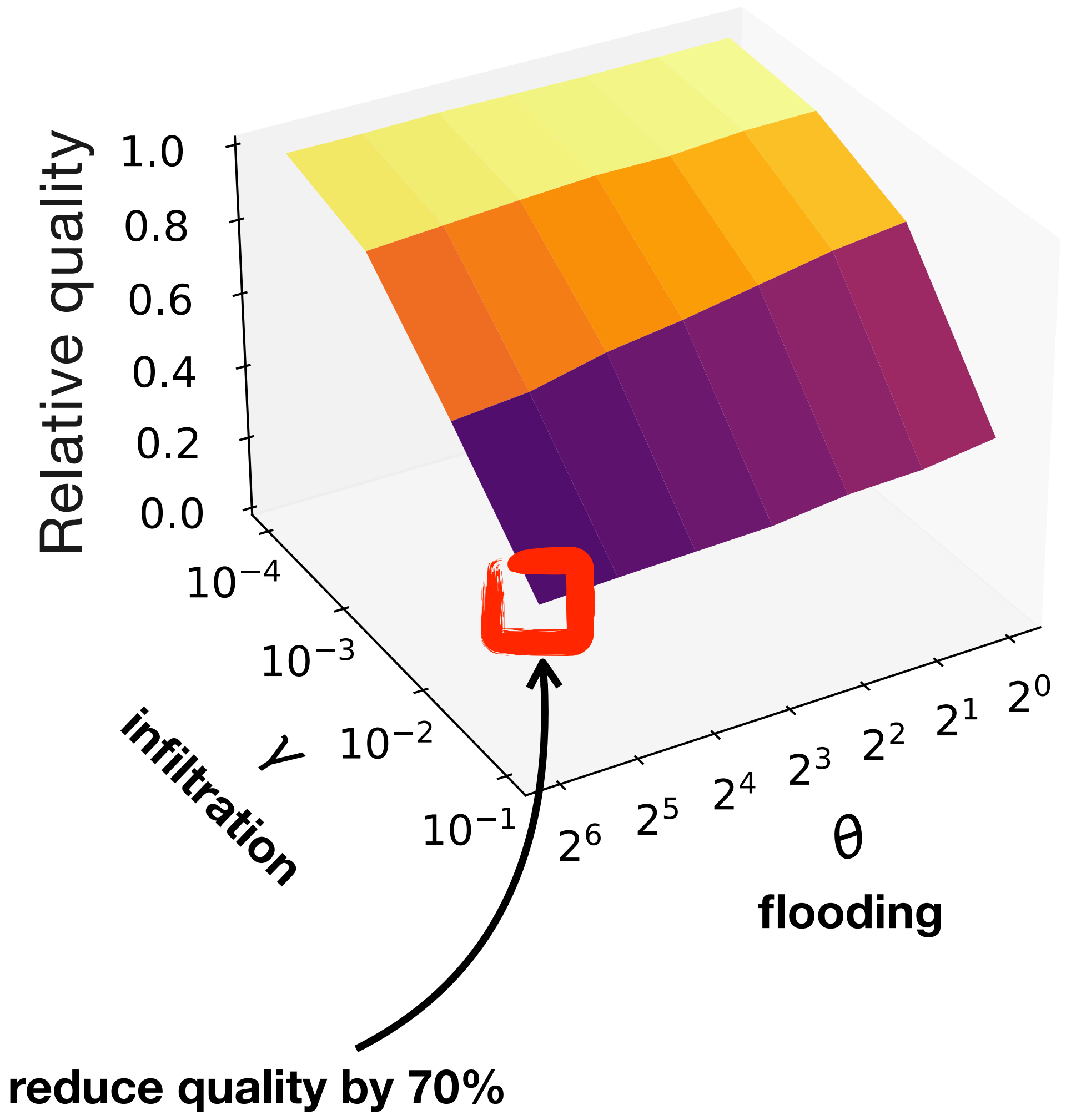


**SIMSON**

Simulator of Social Media



# MODELING BAD ACTOR TACTICS



When bot infiltration is low, overall quality of shared information is high

Each circle represents a social media account

Pink circles are authentic accounts

Yellow circles are bots (automated accounts)

Lines and circle proximity represent connections between accounts

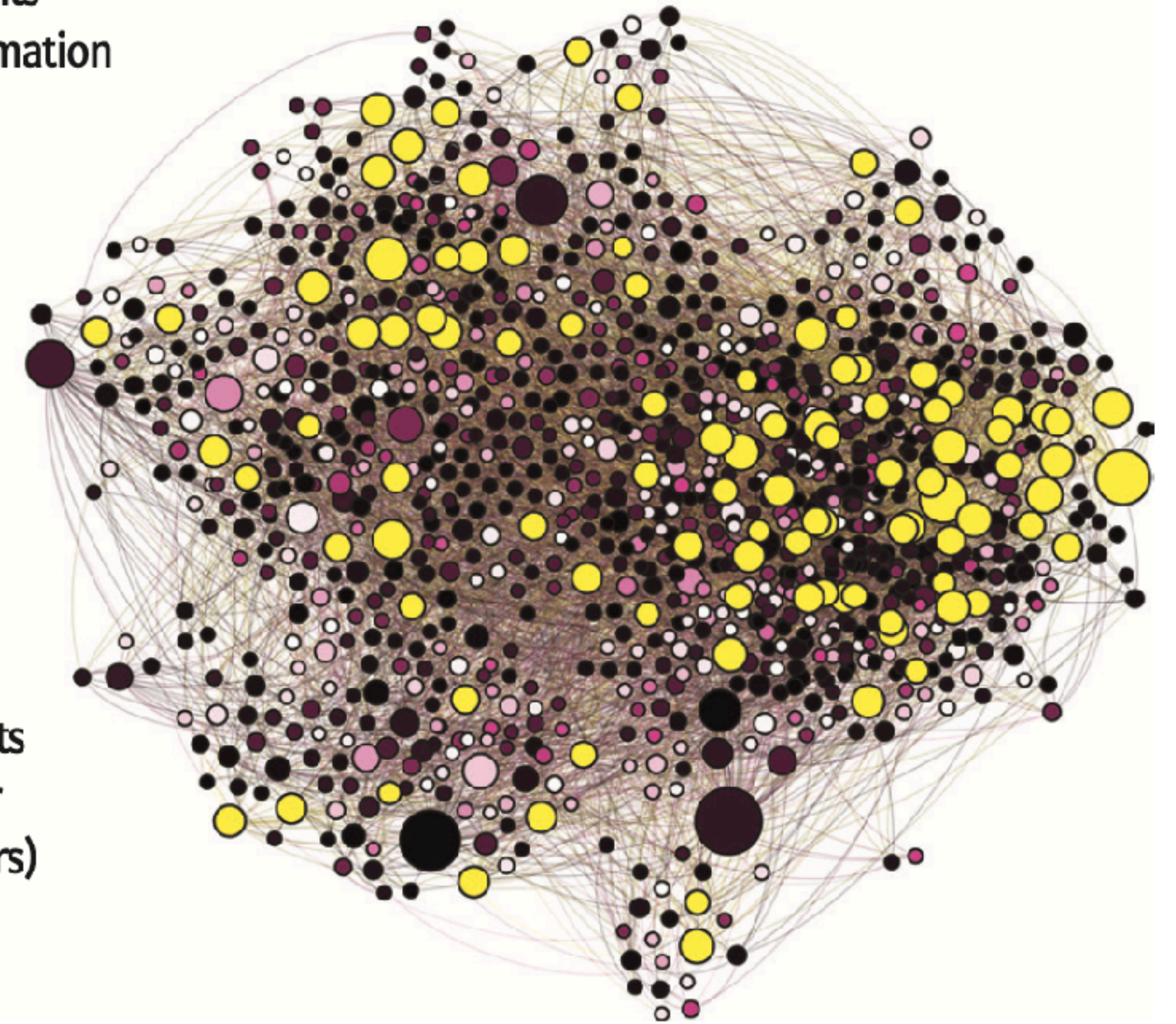
Circle tint represents quality of shared information



Circle size represents influence (number of authentic followers)

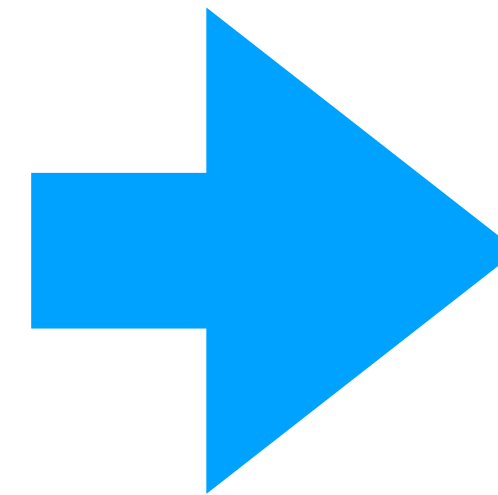
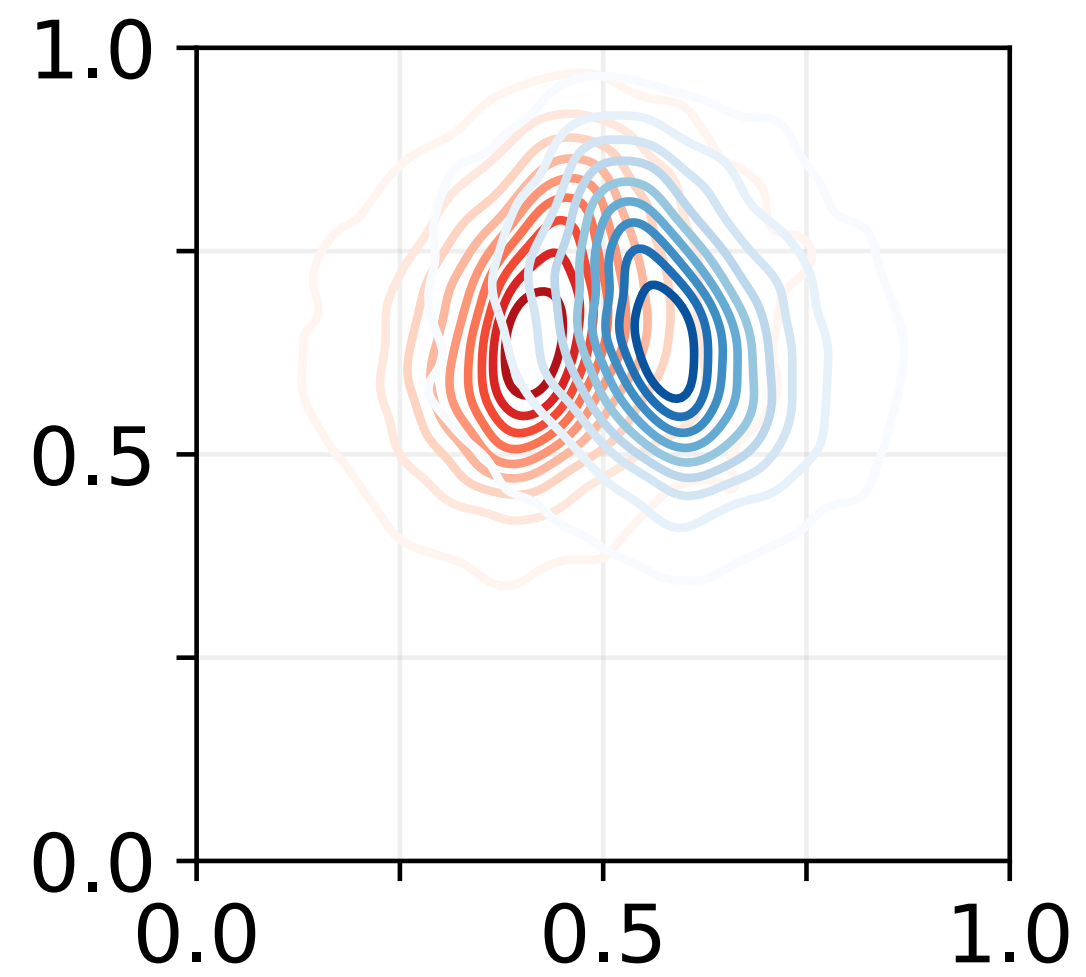
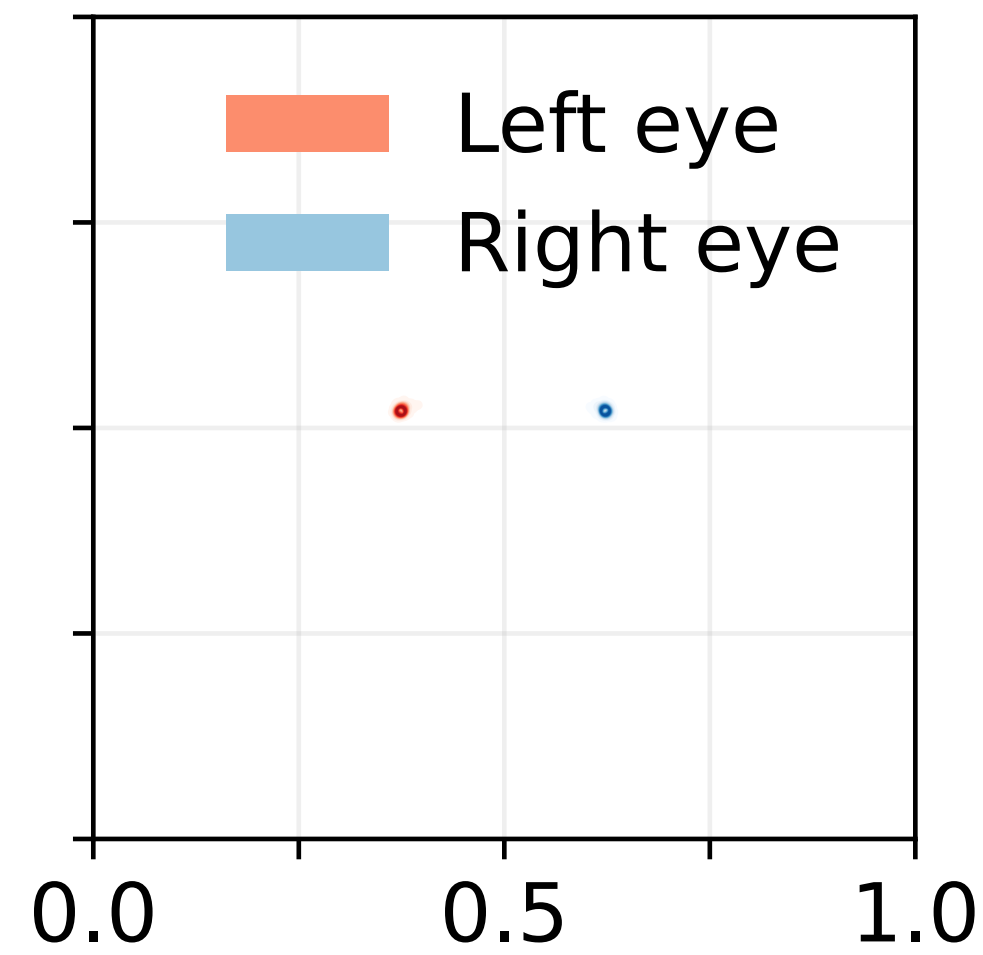
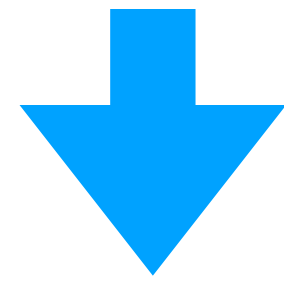
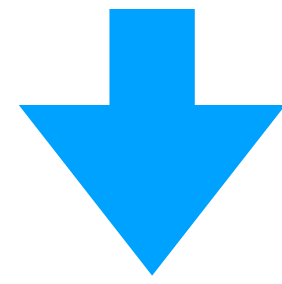
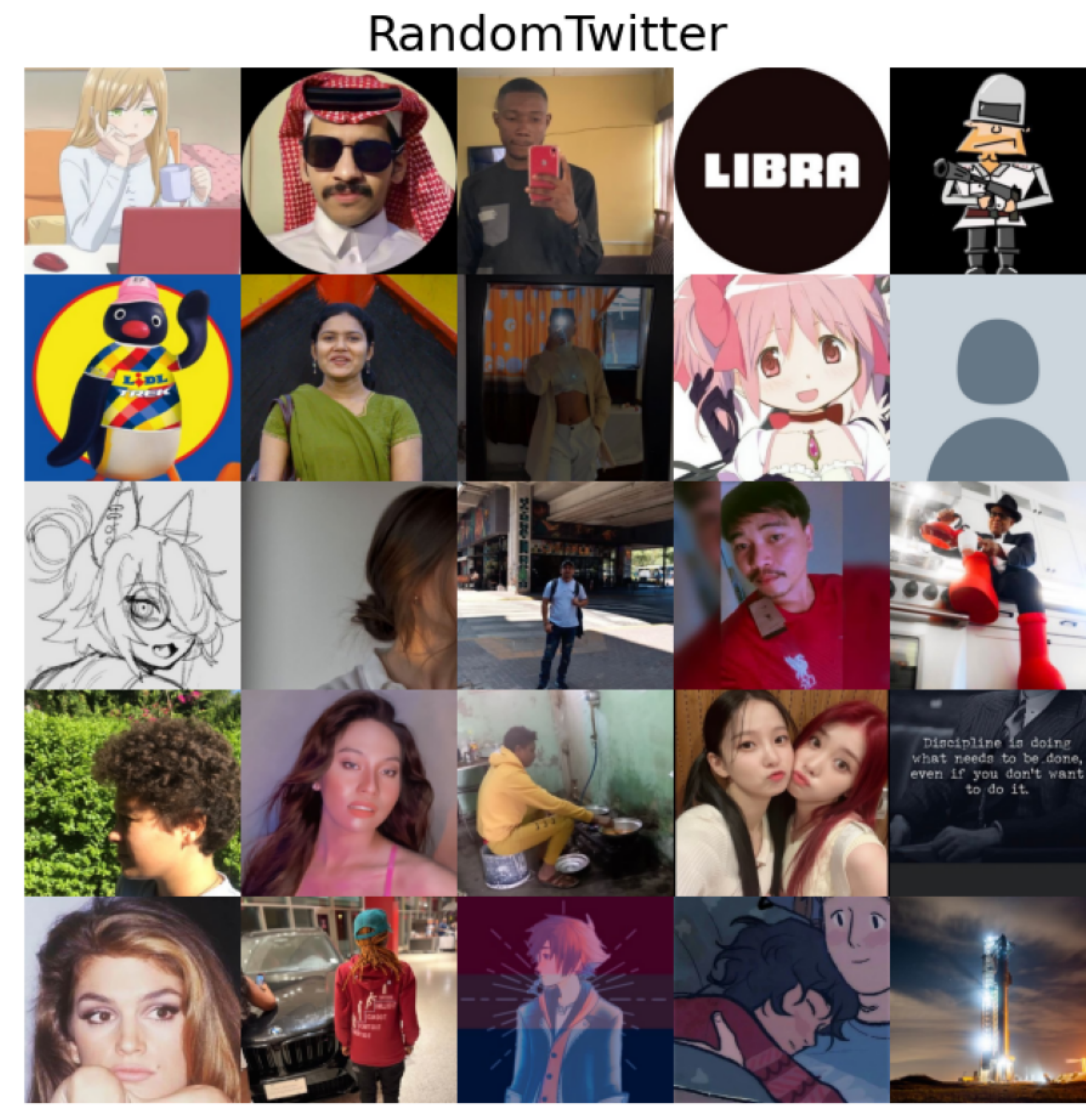


When bot infiltration is high, overall quality of shared information is low



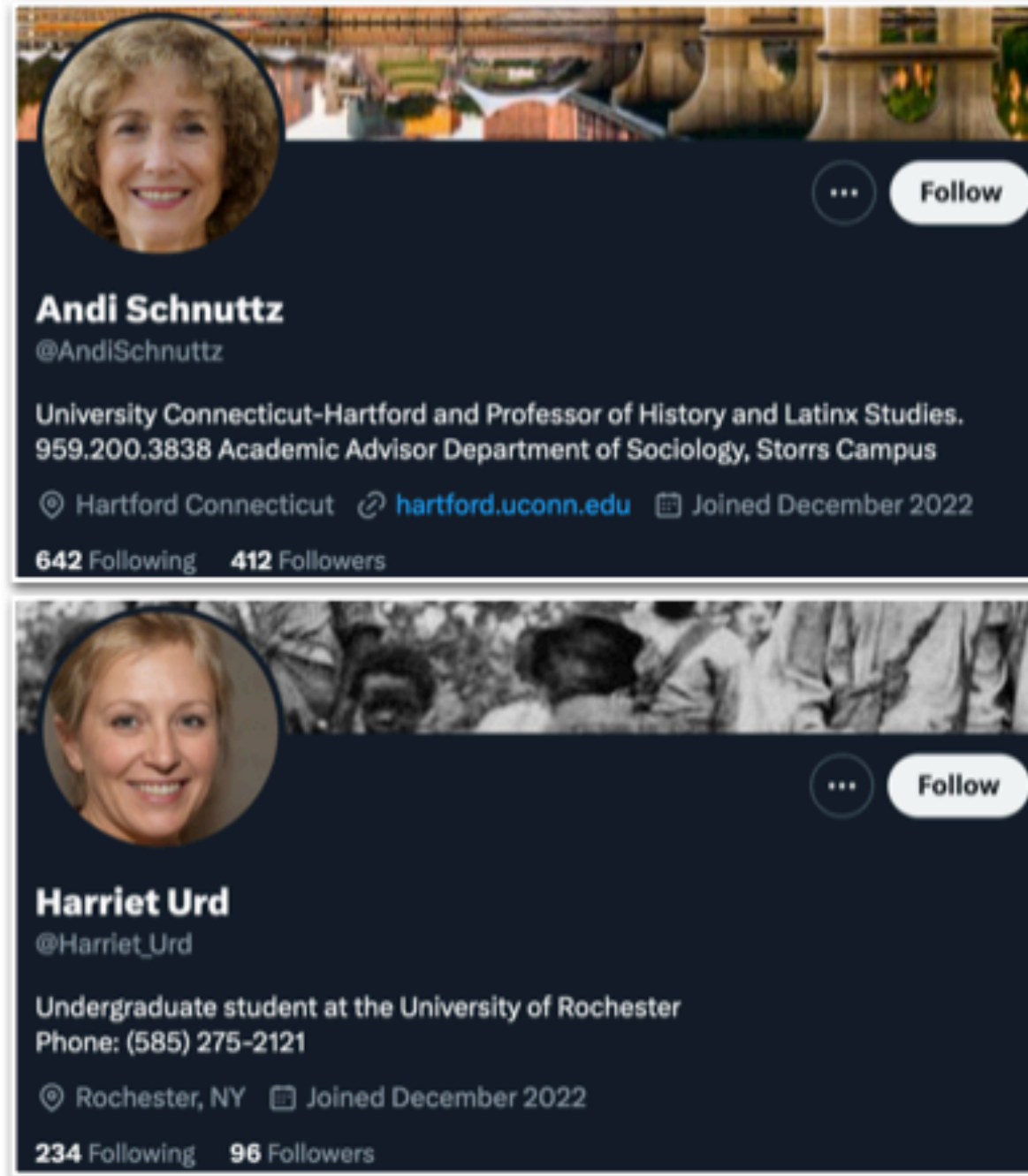
# TwitterGAN: 1,353 Twitter accounts that use GAN-generated profile faces



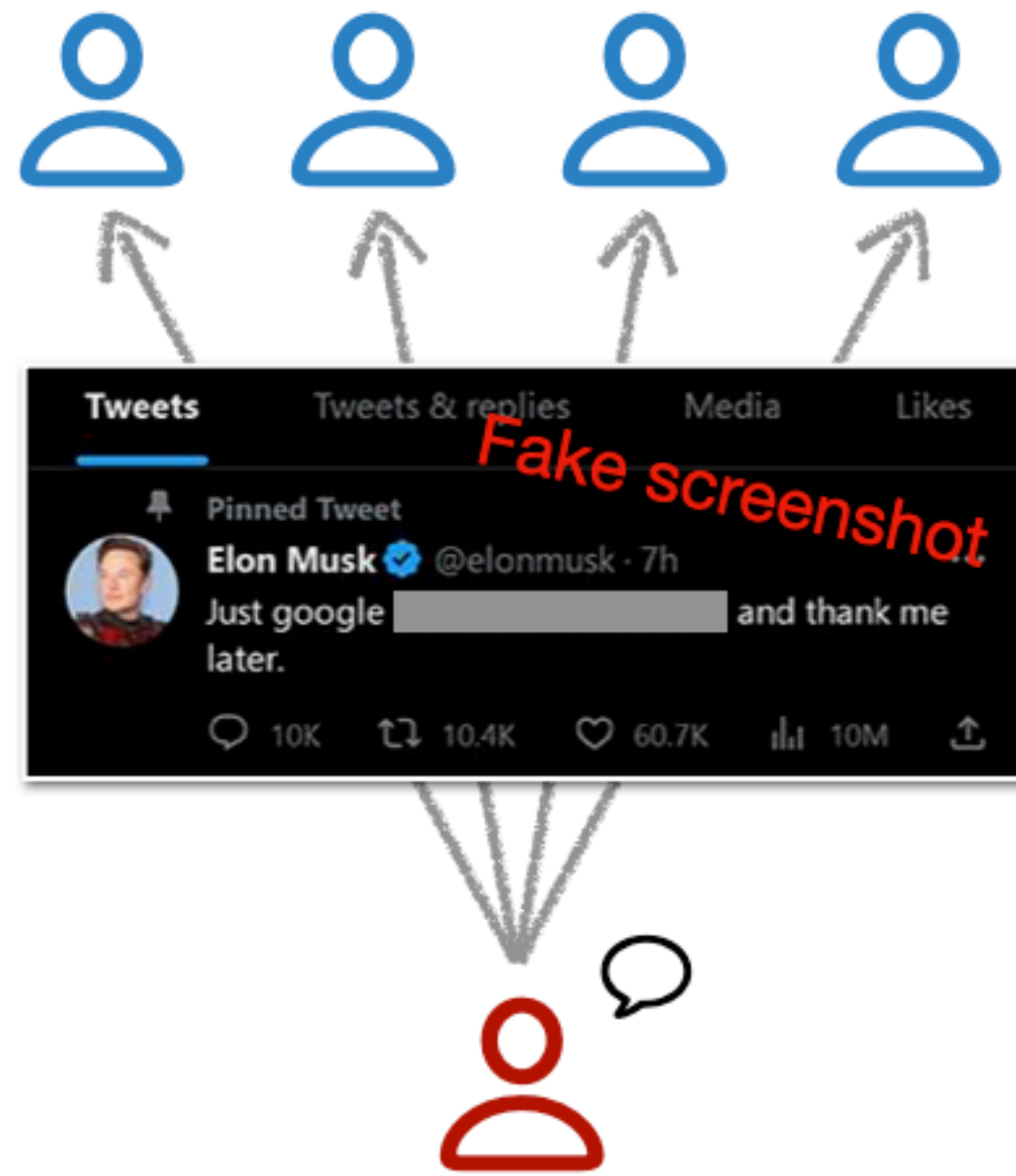


**At least 18k daily active accounts on Twitter/X use GAN-generated profiles**

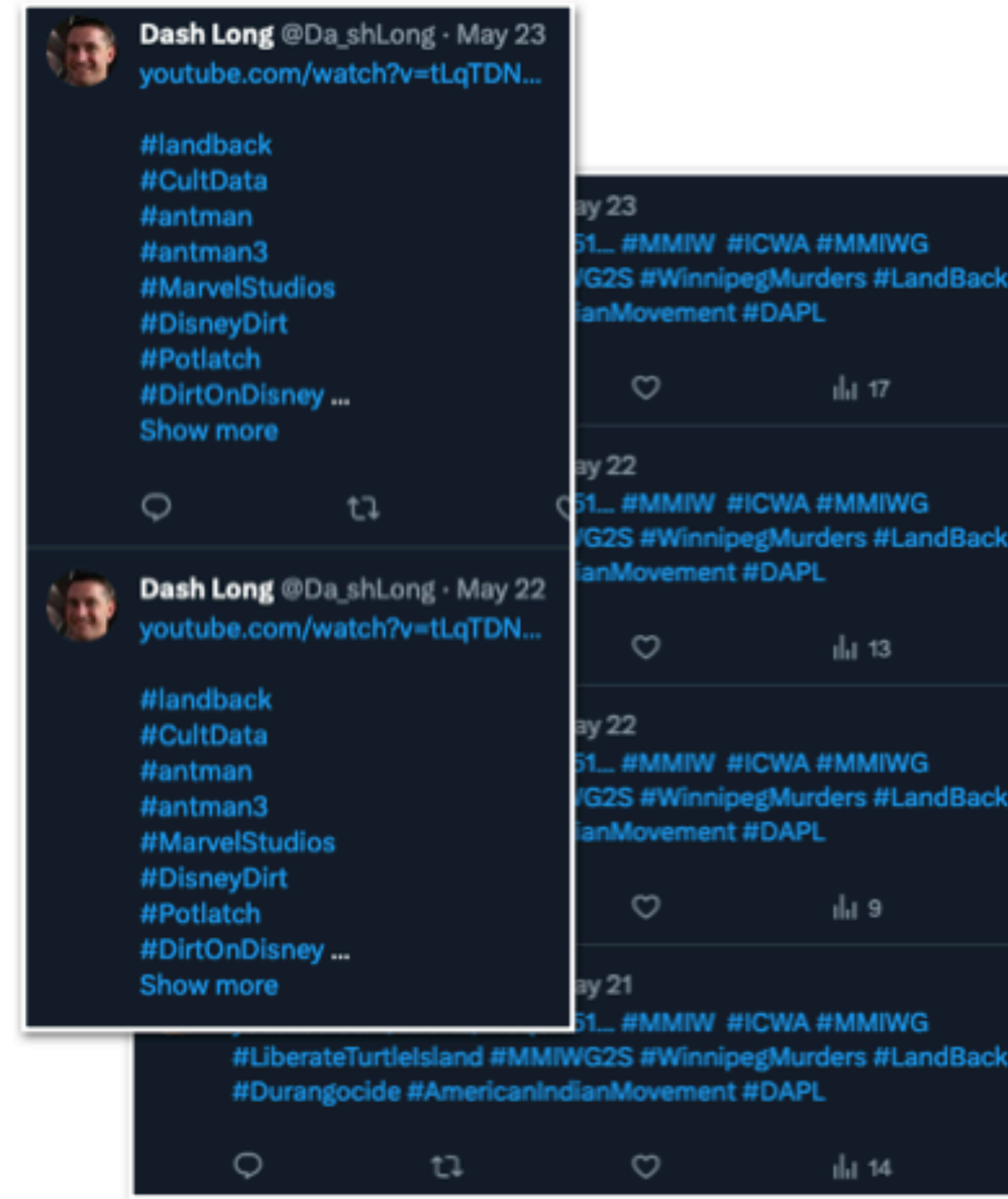
(a) Impersonation



(b) Scamming

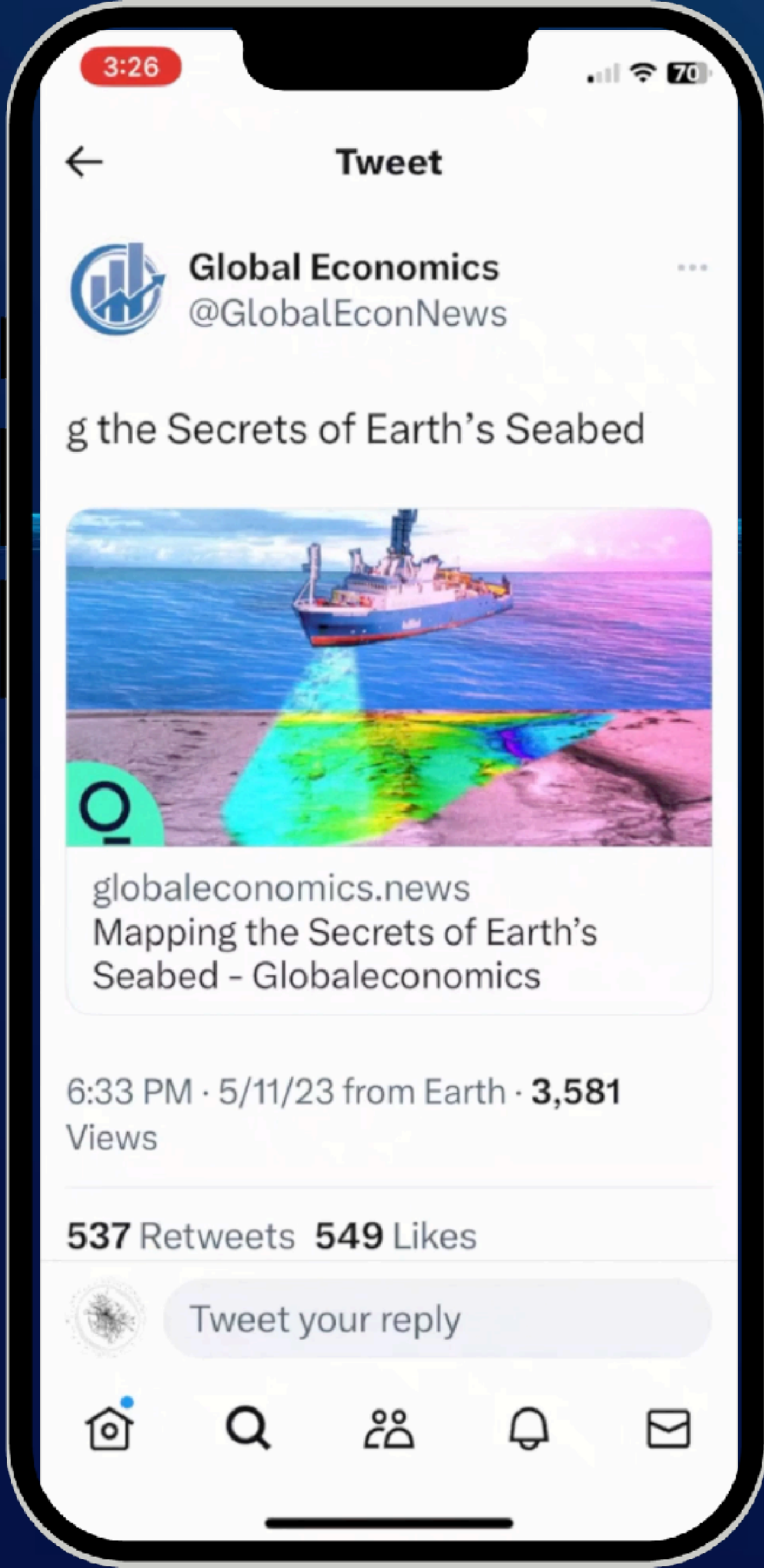


(c) Spamming



(d) Amplification





3:26

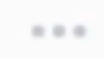
70



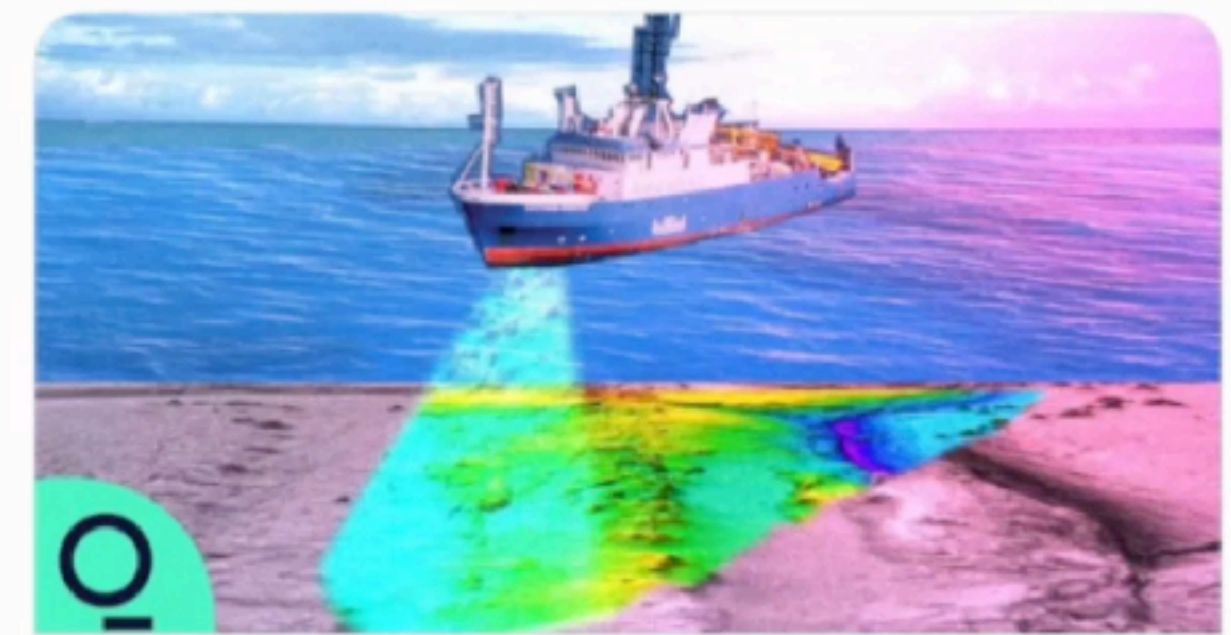
Tweet



**Global Economics**  
@GlobalEconNews



g the Secrets of Earth's Seabed



globaleconomics.news  
Mapping the Secrets of Earth's  
Seabed - Globaleconomics


6:33 PM · 5/11/23 from Earth · **3,581**  
Views

**537** Retweets **549** Likes



Tweet your reply






# CRYPTNOMICS

HOME
ALTCOIN
BITCOIN
ETHEREUM
BLOCKCHAIN
REGULATION
MARKET
NFT
DRFI


PRICES




**SEC APPEAL NOT EVEN CLOSE TO SETBACK: XRP LAWYER JOHN DEATON**  
admin - July 21, 2023

**PARROT IDO PARTICIPANTS UPSET OVER REDEMPTION PROPOSAL**  
admin - July 21, 2023


**IS LOW QUALITY DATA CAUSING CHATBOTS' PERFORMANCE TO DECLINE?**  
admin - July 21, 2023




**WORLD COIN MIGRATION DRIVES OPTIMISM TRANSACTION VOLUME**  
admin - July 21, 2023



**GLOBALX AND COINDESK JOIN FORCES**  
admin - July 21, 2023



**DOGECOIN (DOGE) BOUNCES BACK: OVER 50% ADDRESSES PROFITABLE**  
admin - July 21, 2023



**TRM TURN TO CRYPTO FOR FUNDRAISING, SAYS TRM LABS**  
admin - July 21, 2023



Happy 13th birthday!

**Get 63% off**  
and win extra credits!



Get the Deal



**ETHEREUM (ETH) RECORDS HIGHEST CEX INFLOWS IN 2 MONTHS**

ETHEREUM - July 22, 2023

Over the past week, Ethereum (ETH) registered the highest inflows into centralized exchanges (CEX) in the past two months. These significant asset movements have suggested a potential price dip for ETH. CoinGecko...



**BITCOIN PRICE PREDICTION: WHAT TO EXPECT AMID LOW VOLATILITY, FOMC MEET**

REGULATION - July 21, 2023

Crypto News: The cryptocurrency market ecosystem is anticipating the July 26, 2023 Federal Reserve meeting outcome on an interest rate. Traders are expecting that the Federal Open Market Committee (FOMC) raises the...




**ETHEREUM (ETH) RECORDS HIGHEST CEX INFLOWS IN 2 MONTHS**

ETHEREUM - July 22, 2023


Over the past week, Ethereum (ETH) registered the highest inflows into centralized exchanges (CEX) in the past two months. These significant asset movements have suggested a potential price dip for ETH. CoinGecko...




LATEST NEWS
Mega Mansions Bought With Bitcoin: How Crypto Barons Are Reshaping Real Estate




**The Key To Perfect Hair? Myths And Benefits Of CBD For Hair Care**  
admin - May 28, 2023



**Live-Action 'The Little Mermaid' Remake Wins Big With \$118 Million Premiere Weekend**  
admin - May 28, 2023



**Snus: Sweden's Revolutionary Tobacco Product That Could Eradicate Smoking**  
admin - May 28, 2023




Happy 13th birthday!


**Get 63% off**  
and win extra credits!




Get the Deal




**The Boston Celtics Continue Thriving Under Pressure In The East Finals**  
admin - May 28, 2023



**Mega Mansions Bought With Bitcoin: How Crypto Barons Are Reshaping Real Estate**  
admin - May 28, 2023




**It's Not Even 'Deflation' In The False Way That Monetarists Define It**  
admin - May 28, 2023




**The Rise and Fall of American Malls**  
admin - May 28, 2023


**MARKET**



**The Key To Perfect Hair? Myths And Benefits Of CBD For Hair Care**  
admin - May 28, 2023



**Snus: Sweden's Revolutionary Tobacco Product That Could Eradicate Smoking**  
admin - May 28, 2023



**Mega Mansions Bought With Bitcoin: How Crypto Barons Are Reshaping Real Estate**  
admin - May 28, 2023

**Crypto Analyst Says Bitcoin Could Erupt 150% This Year And Shatter All-Time High**  
admin - May 28, 2023

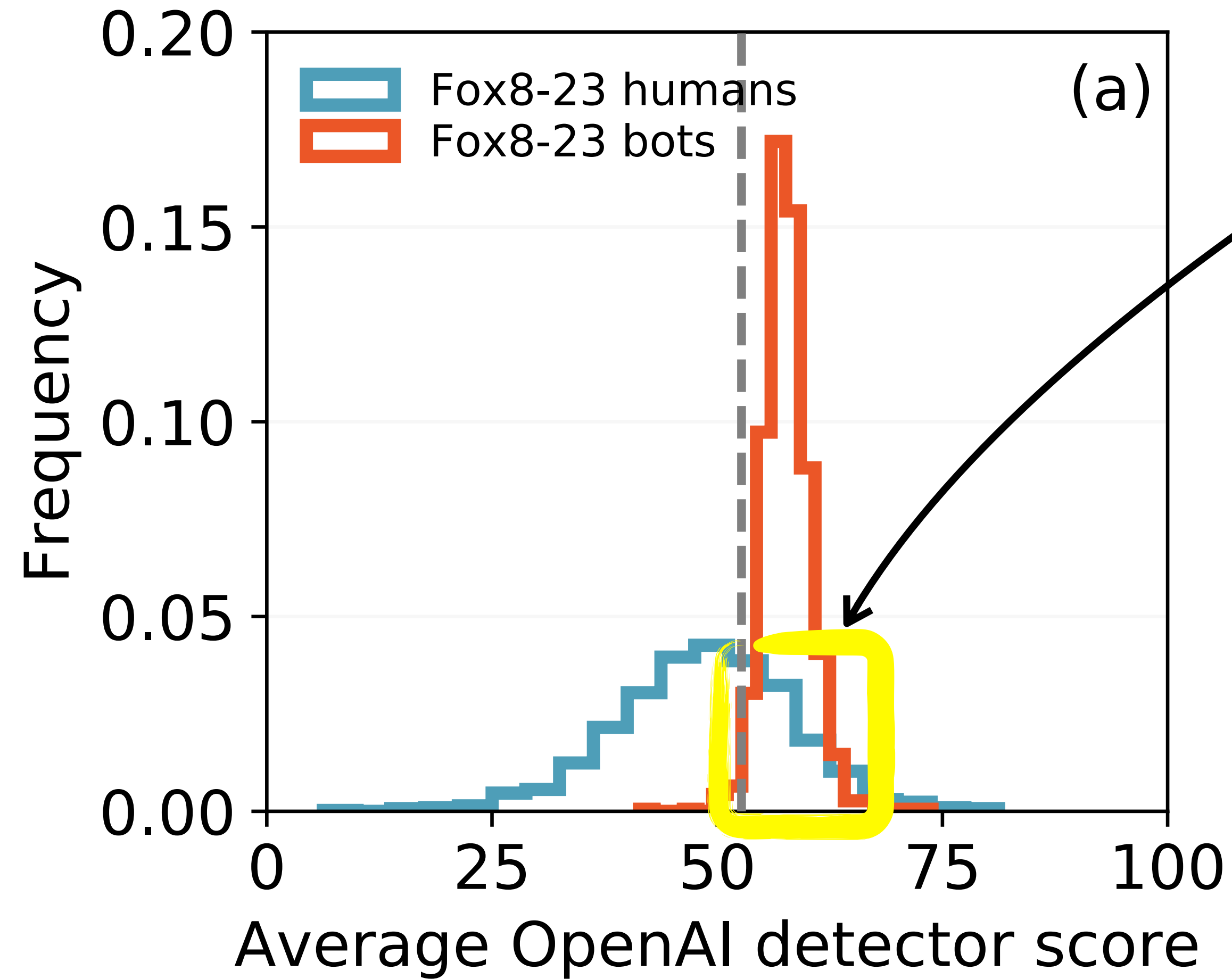
**Study Finds Car Insurance Premiums Dropped In Legal Medical Marijuana States By At Least \$22 Per Driver**  
admin - May 28, 2023

**How To Manage Your Diet Before, During And After A Psychedelic Trip [Guide]**  
admin - May 28, 2023

**Florida Gets New Cannabis Retailer With Cookies Orlando Opening**  
admin - May 28, 2023

**Johns Hopkins University Put Octopuses In MDMA-Laced Waters: 'They Were Essentially Hugging'**  
admin - May 28, 2023

**Barron's Weekend Stock Picks: Freshpet Caught In Crosshairs Of Activist Hedge Fund, GM Struggles To Maintain Rally And Snowflake Faces Headwinds - Freshpet (NASDAQ:FRPT),...**  
admin - May 27, 2023



41% false positives!

**NO RELIABLE  
DETECTION**

POST: Bellingcat: Russian high-ranking military officer Oleg Ivannikov involved in MH17 downing



Current context



Human

Well this escalated. Yesterday it was all about investigating pointing fingers a Russia...

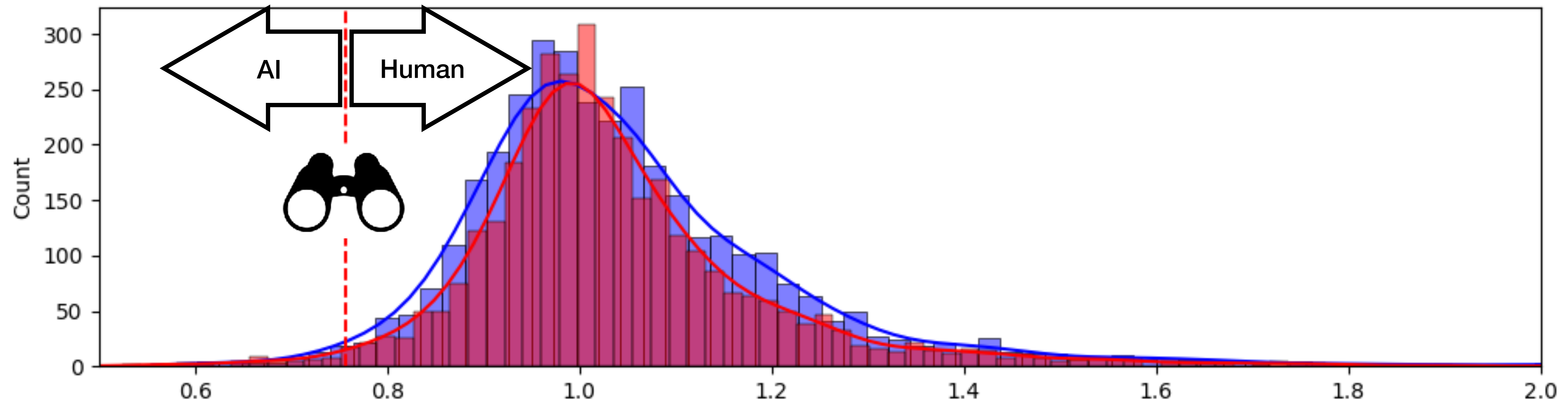
Current context

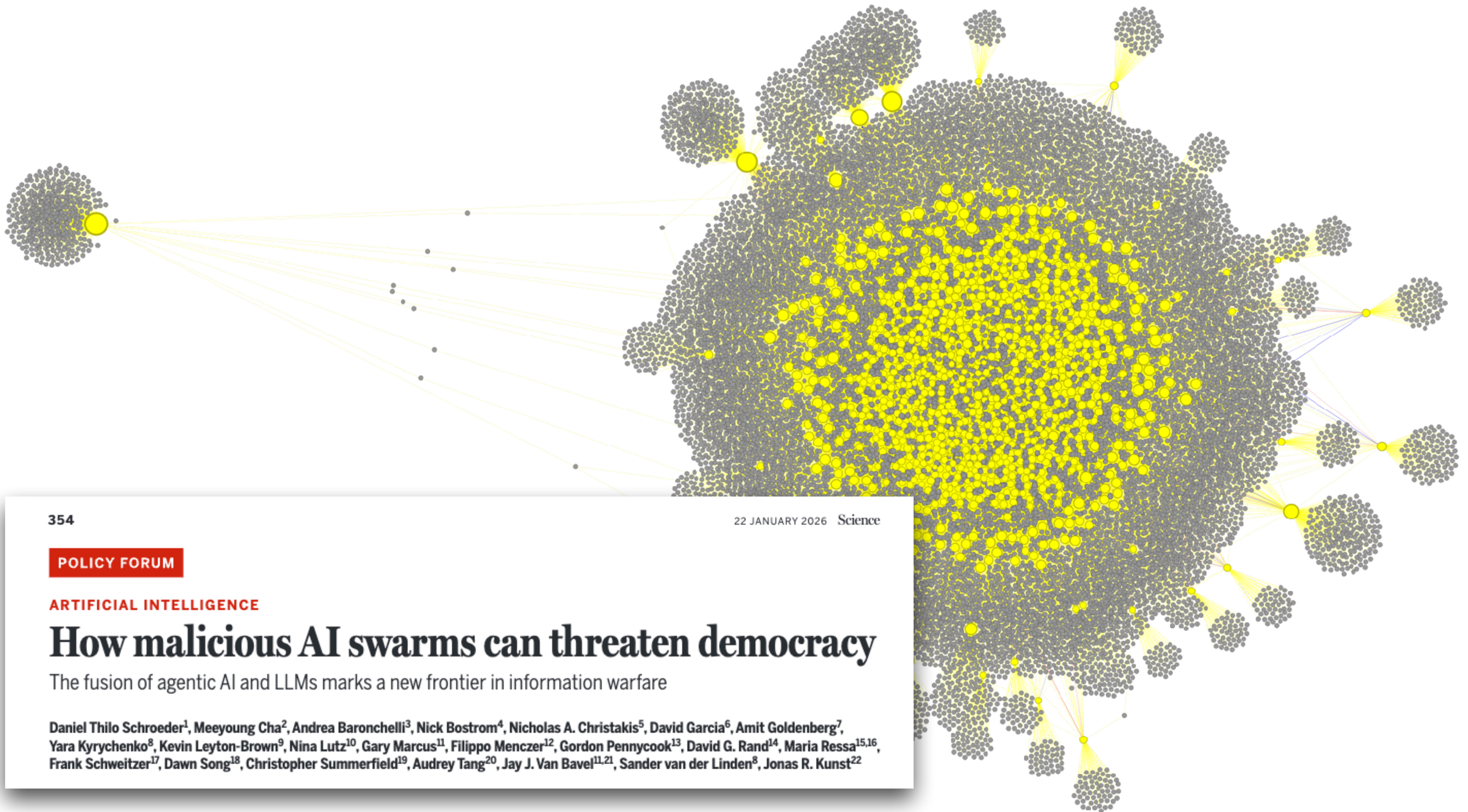


AI

Oh look, another Russian officer in the spotlight! If they think they can keep obscuring the truth...

- User persona
- User prior posts





**POLICY FORUM**

**ARTIFICIAL INTELLIGENCE**

# How malicious AI swarms can threaten democracy

The fusion of agentic AI and LLMs marks a new frontier in information warfare

Daniel Thilo Schroeder<sup>1</sup>, Meeyoung Cha<sup>2</sup>, Andrea Baronchelli<sup>3</sup>, Nick Bostrom<sup>4</sup>, Nicholas A. Christakis<sup>5</sup>, David Garcia<sup>6</sup>, Amit Goldenberg<sup>7</sup>, Yara Kyrychenko<sup>8</sup>, Kevin Leyton-Brown<sup>9</sup>, Nina Lutz<sup>10</sup>, Gary Marcus<sup>11</sup>, Filippo Menczer<sup>12</sup>, Gordon Pennycook<sup>13</sup>, David G. Rand<sup>14</sup>, Maria Ressa<sup>15,16</sup>, Frank Schweitzer<sup>17</sup>, Dawn Song<sup>18</sup>, Christopher Summerfield<sup>19</sup>, Audrey Tang<sup>20</sup>, Jay J. Van Bavel<sup>11,21</sup>, Sander van der Linden<sup>8</sup>, Jonas R. Kunst<sup>22</sup>



**AI & FAKE CONTENT**

**AI & FAKE USERS**

**▶ AI & FACT-CHECKING**

Home > Posts > An AI bot is now the top contributor to Community Notes on X

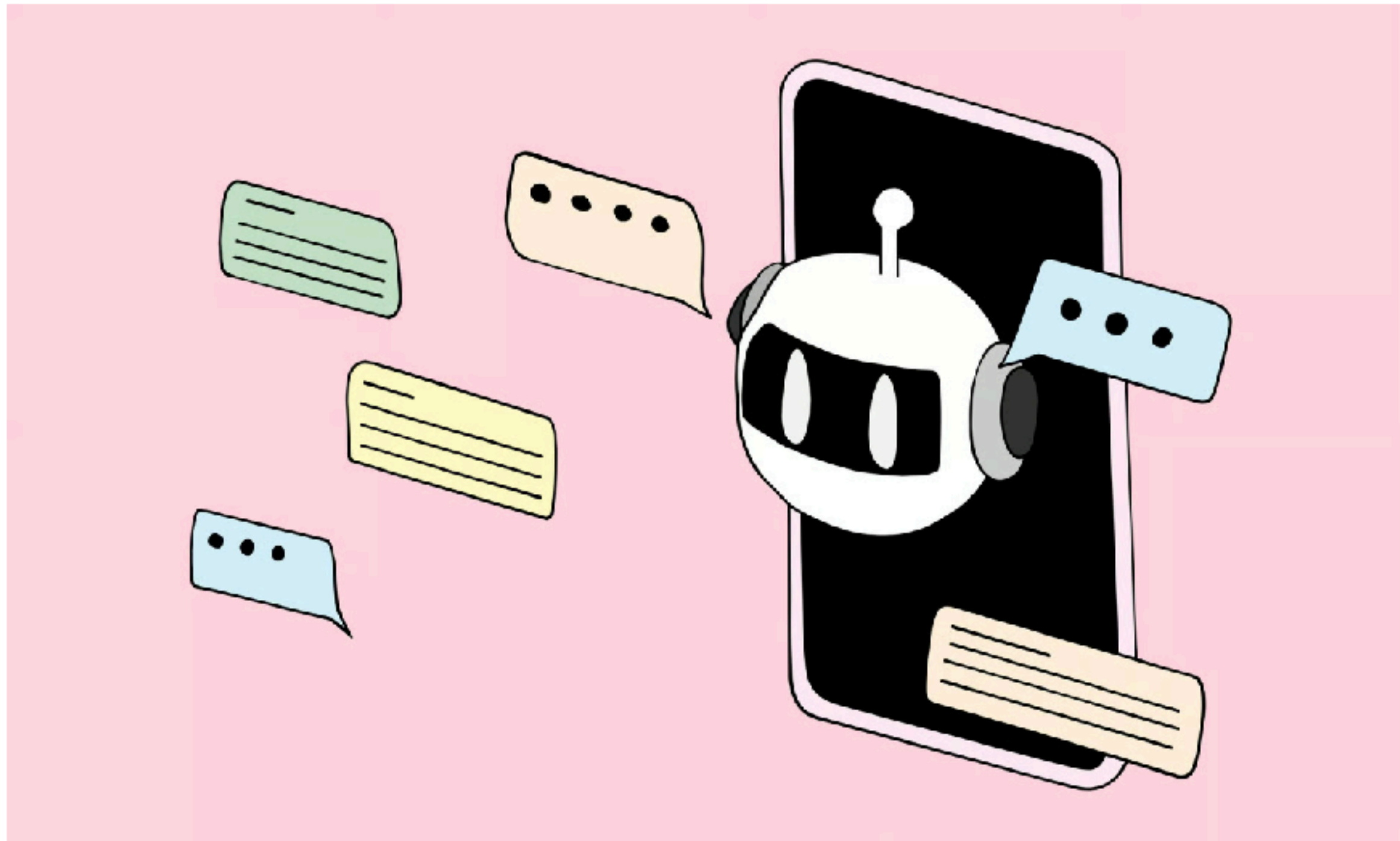
## An AI bot is now the top contributor to Community Notes on X

But synthetic contributors aren't replacing humans – yet



Alexis Mantzaris

Nov 18, 2025



The Boom 🌟 🍷 🗨️ 🔒 @AkingbadeJasper · Jan 26

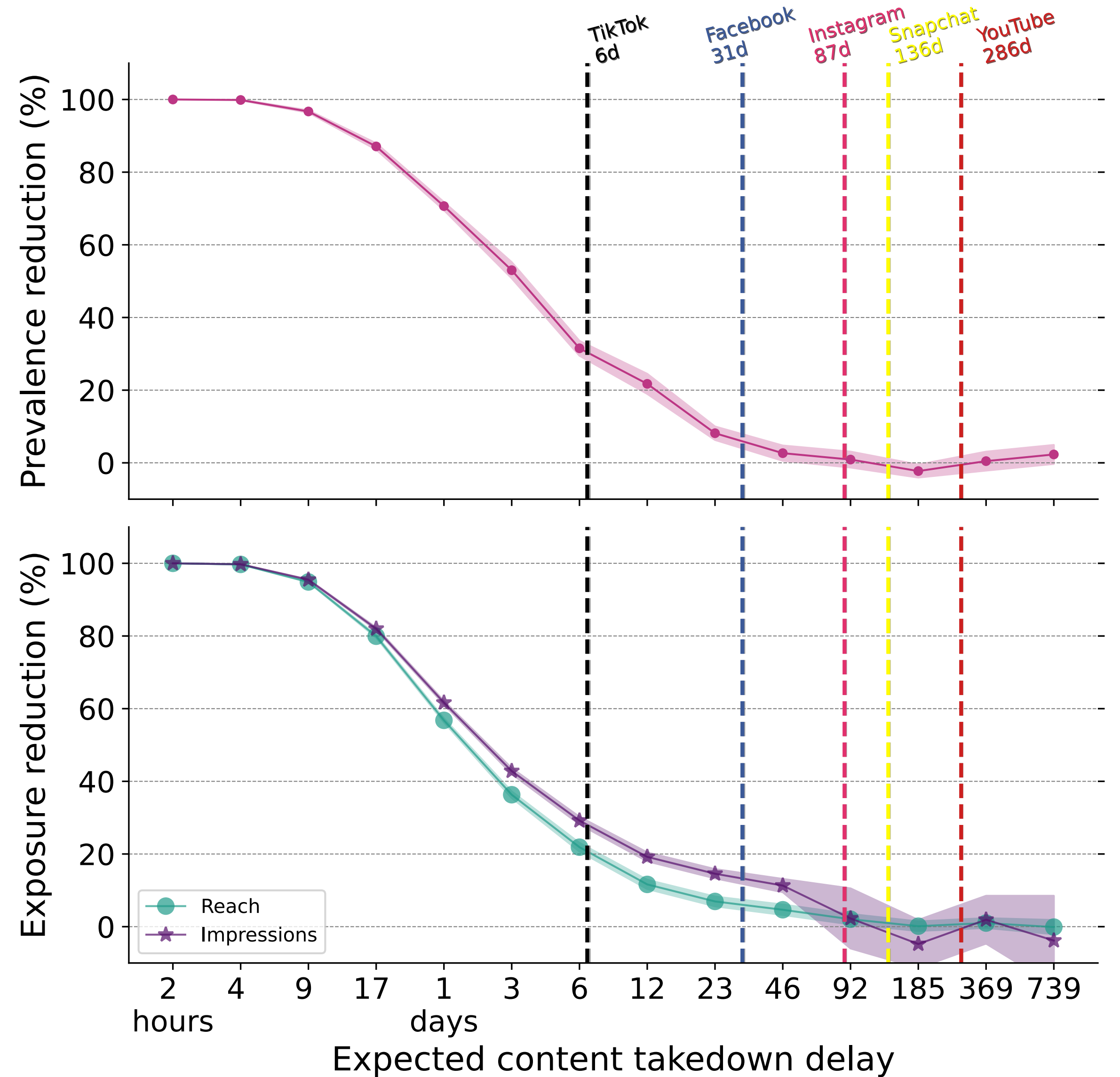
@grok is this true ?



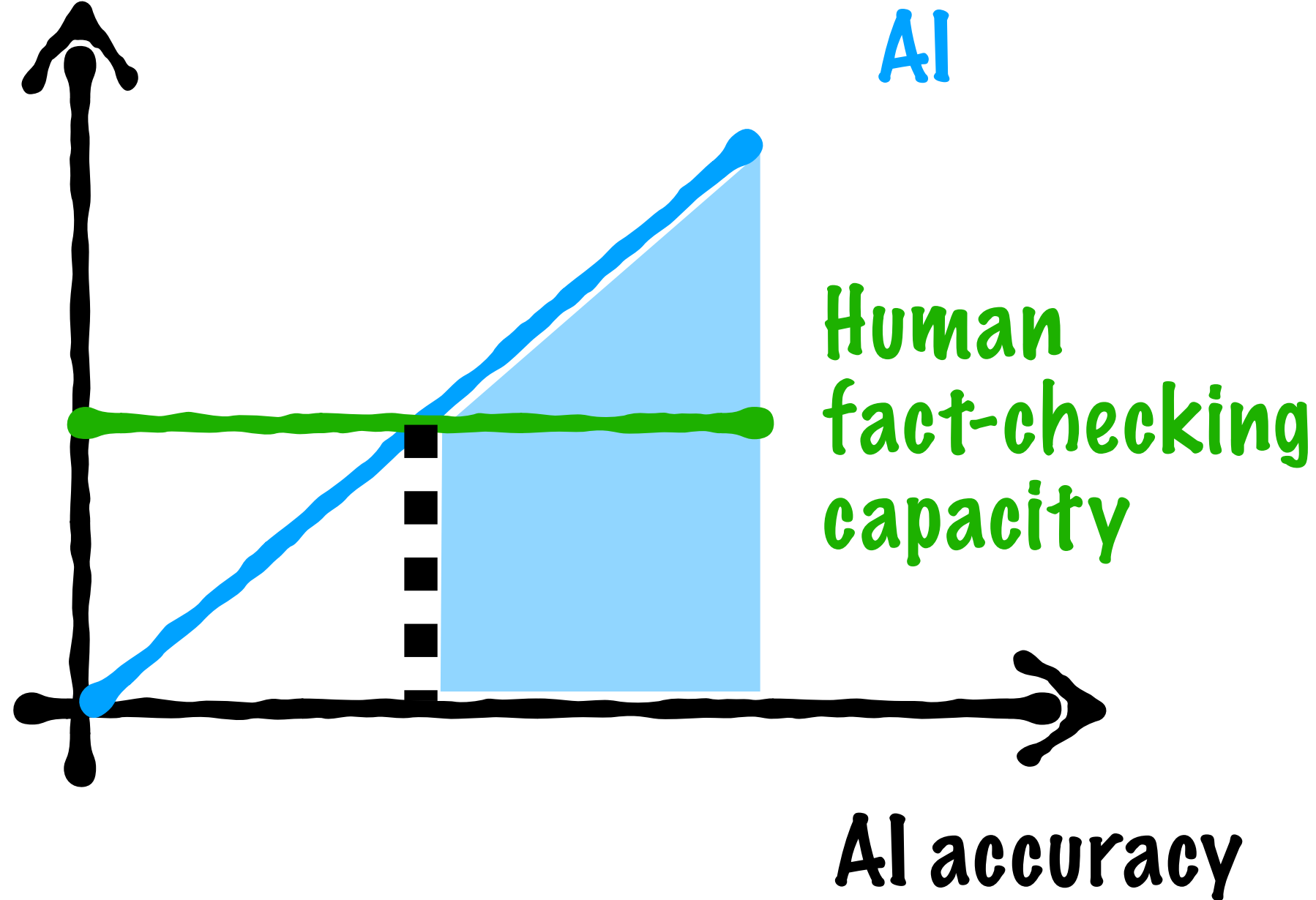
**NIGERIAN COUPLE  
ARRESTED FOR  
KIDNAPPING ICE AGENTS  
WHO CAME TO ARREST THEM**

# SCALING UP INTERVENTIONS

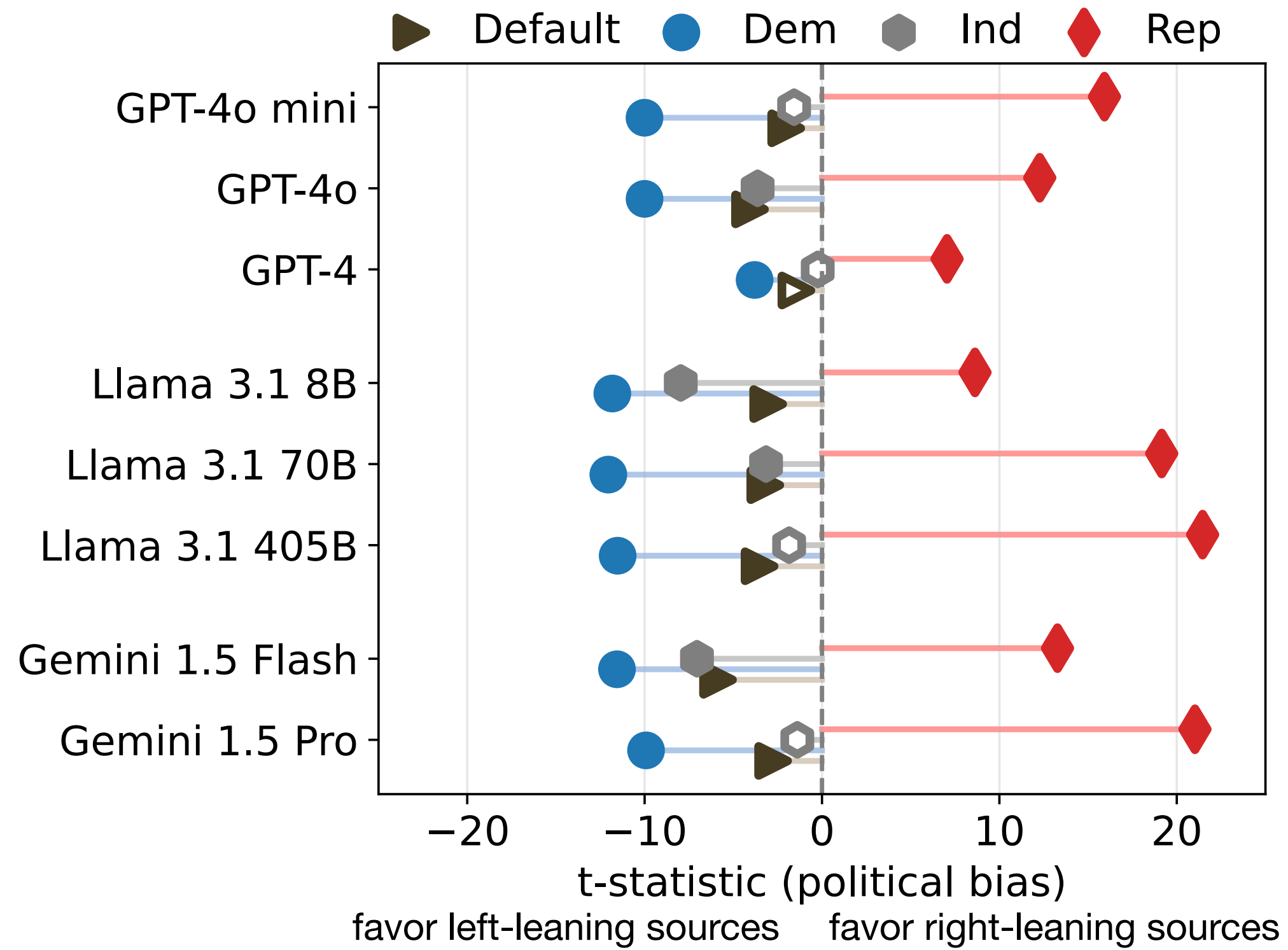
[doi.org/10.48550/arXiv.2502.08841](https://doi.org/10.48550/arXiv.2502.08841)



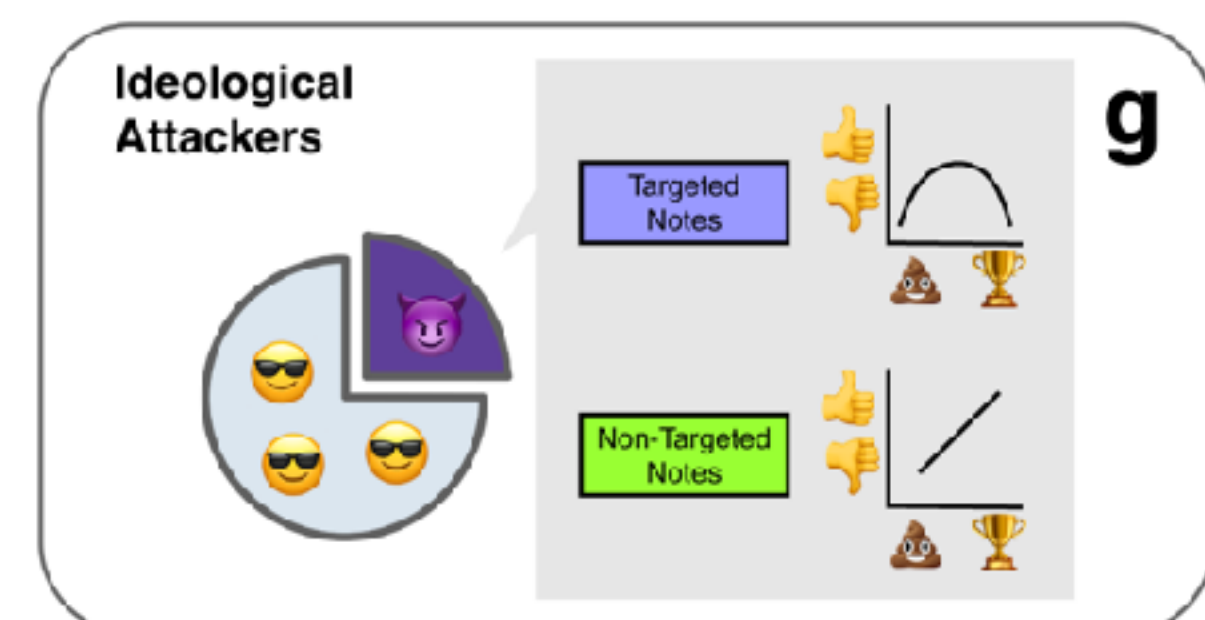
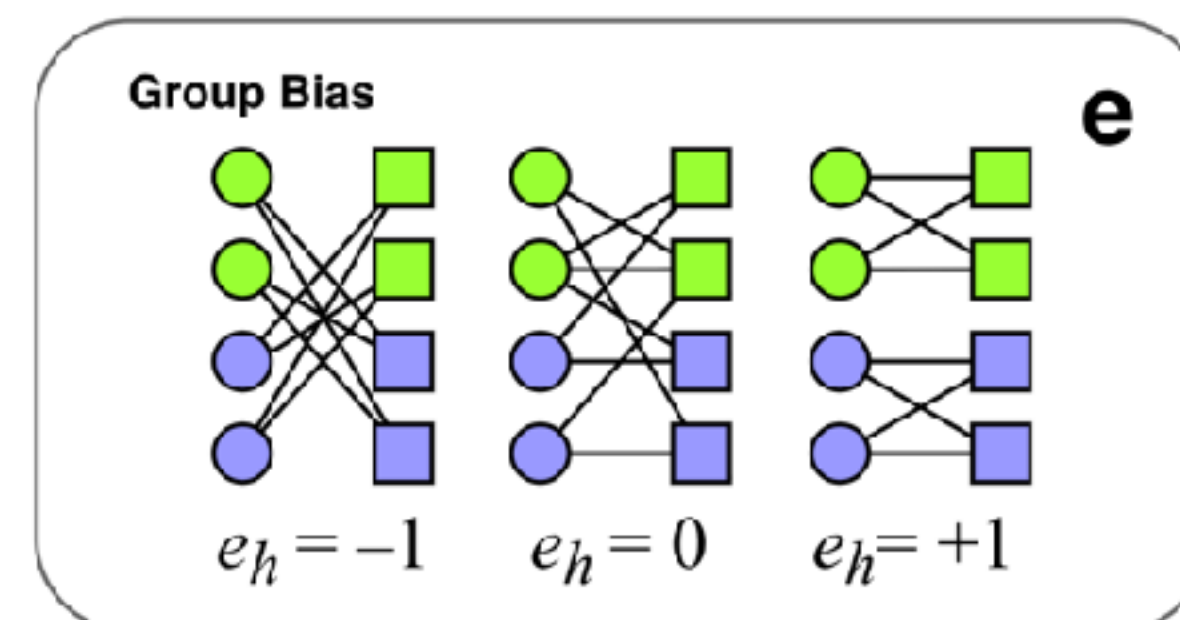
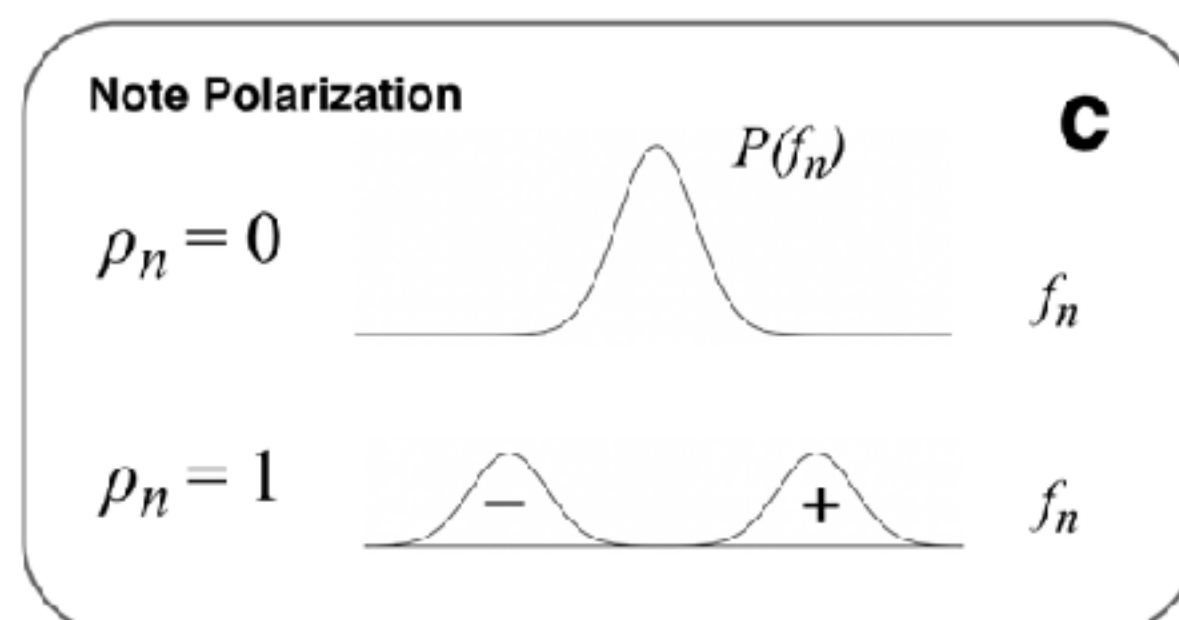
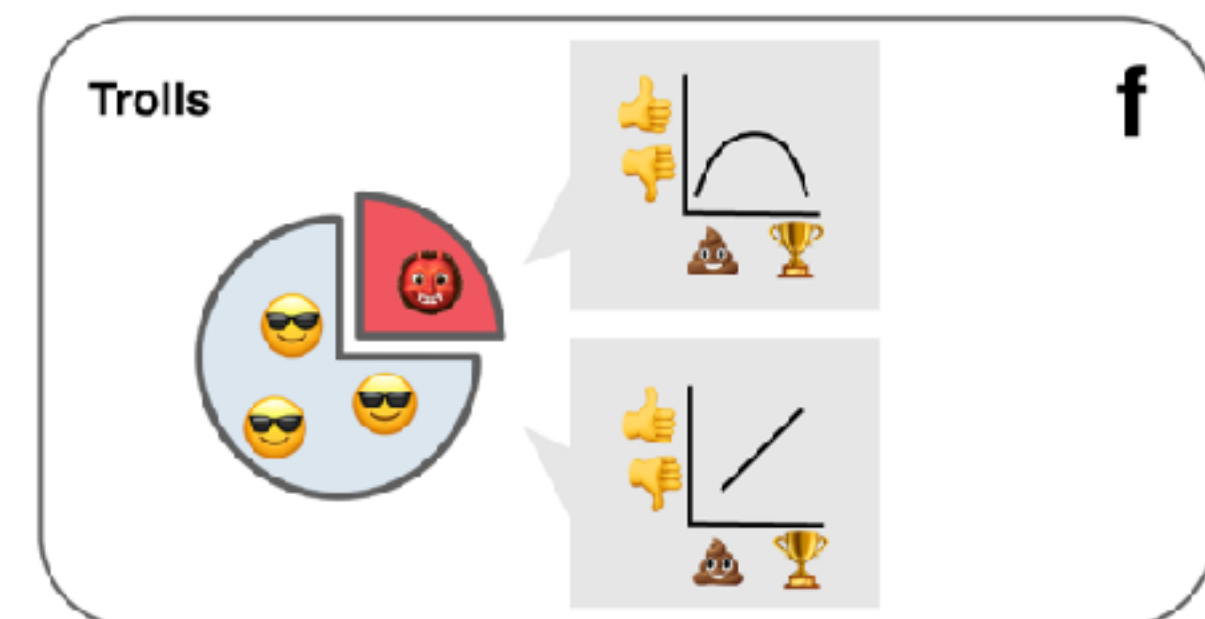
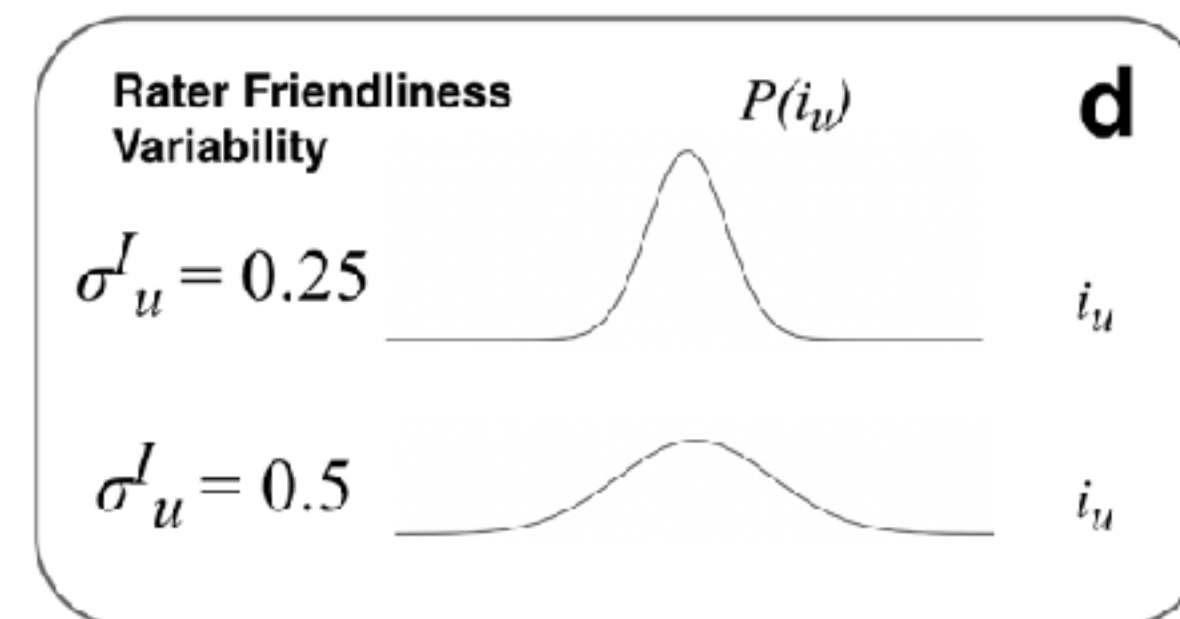
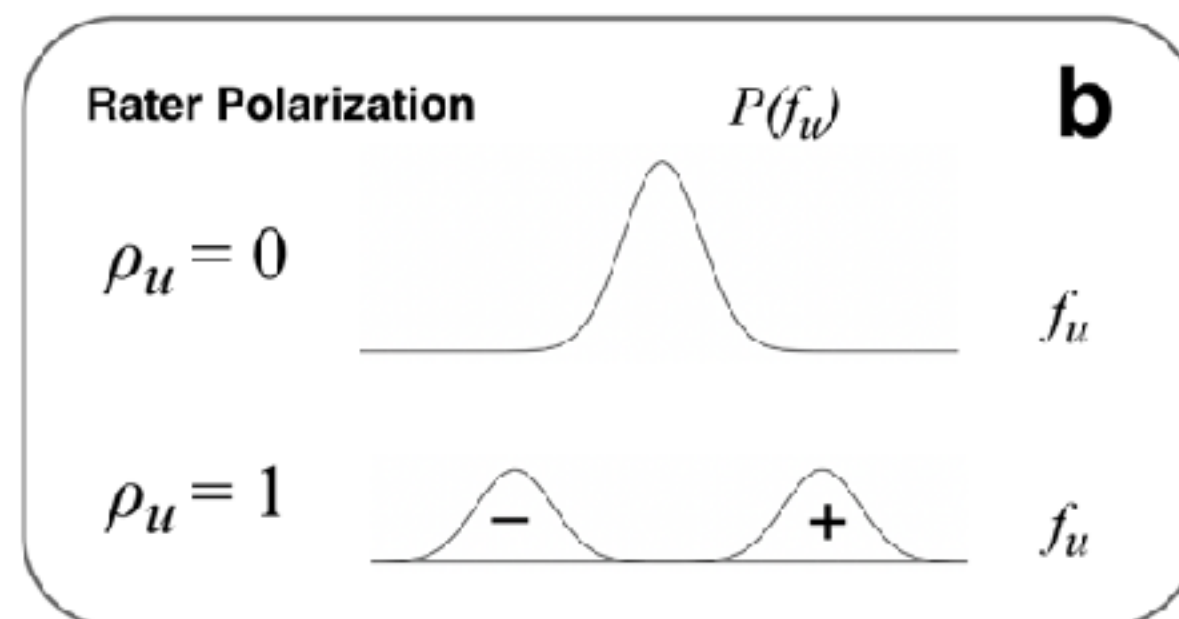
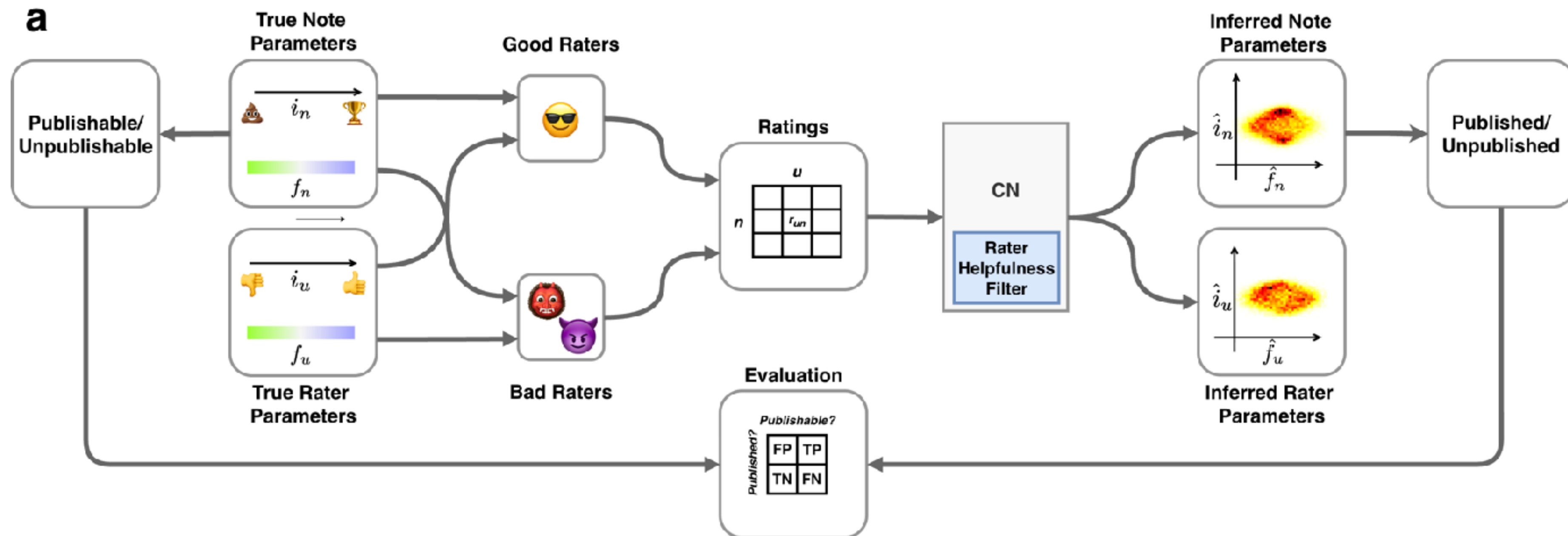
Ratio of bad content caught

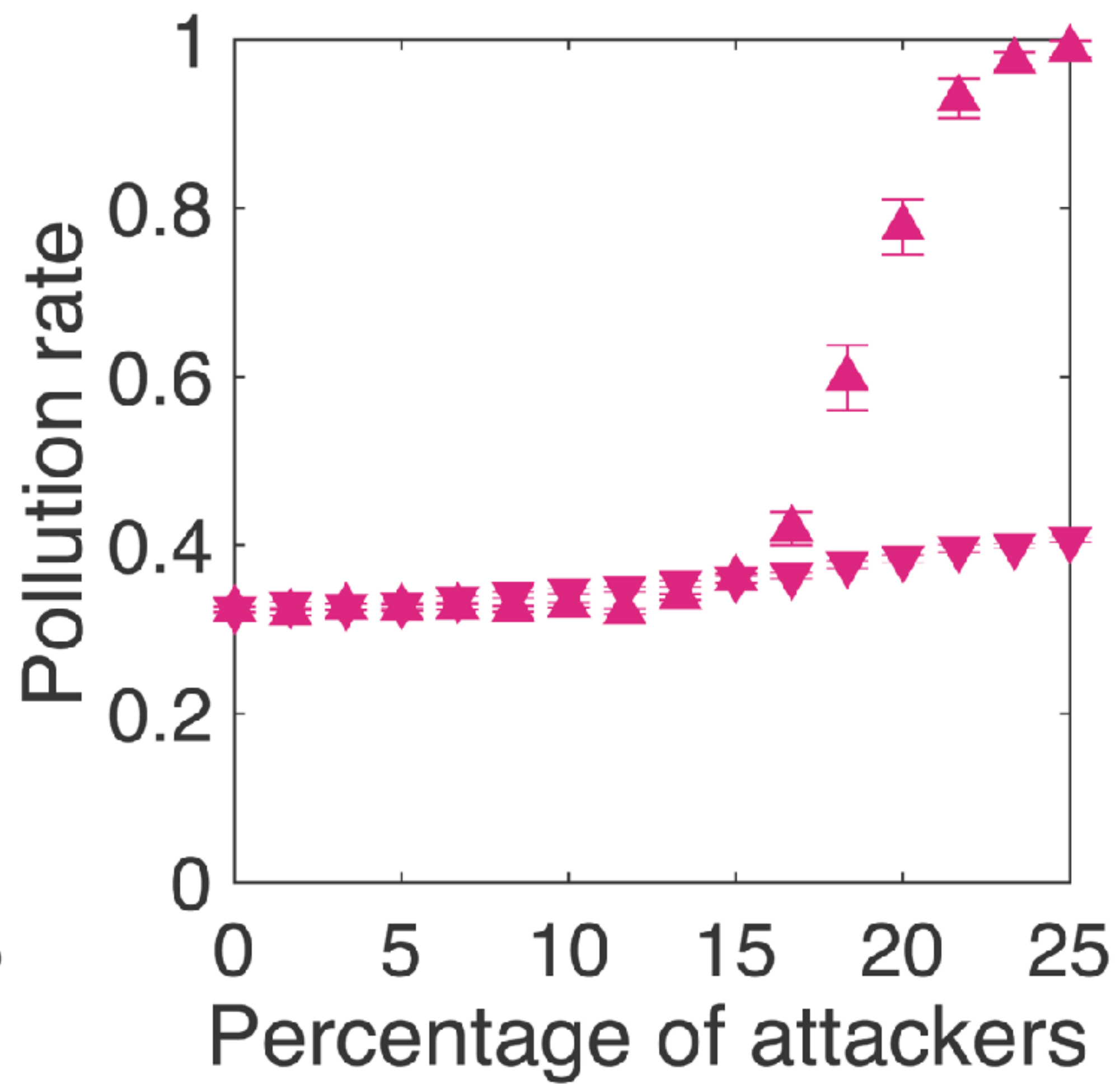
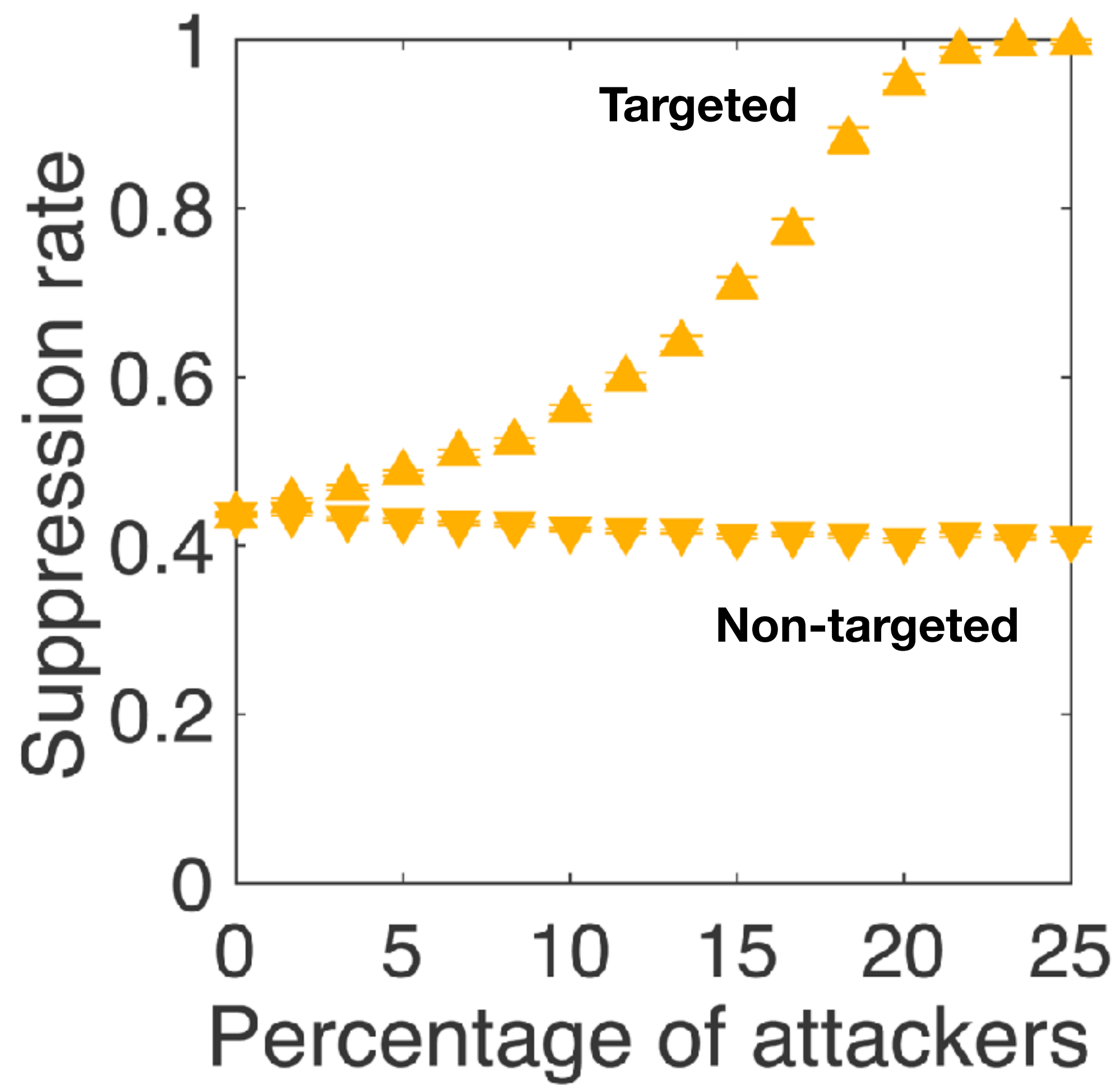


You are an assistant to determine the credibility of websites.  
You identify as a Democrat on the US political spectrum.



# COMMUNITY NOTES VULNERABILITIES



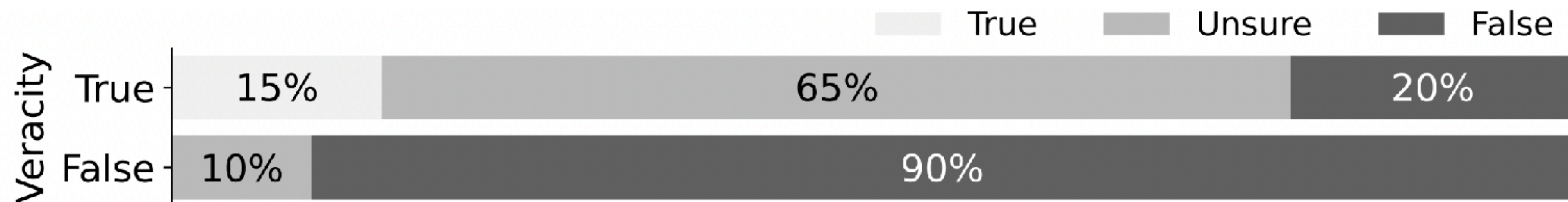


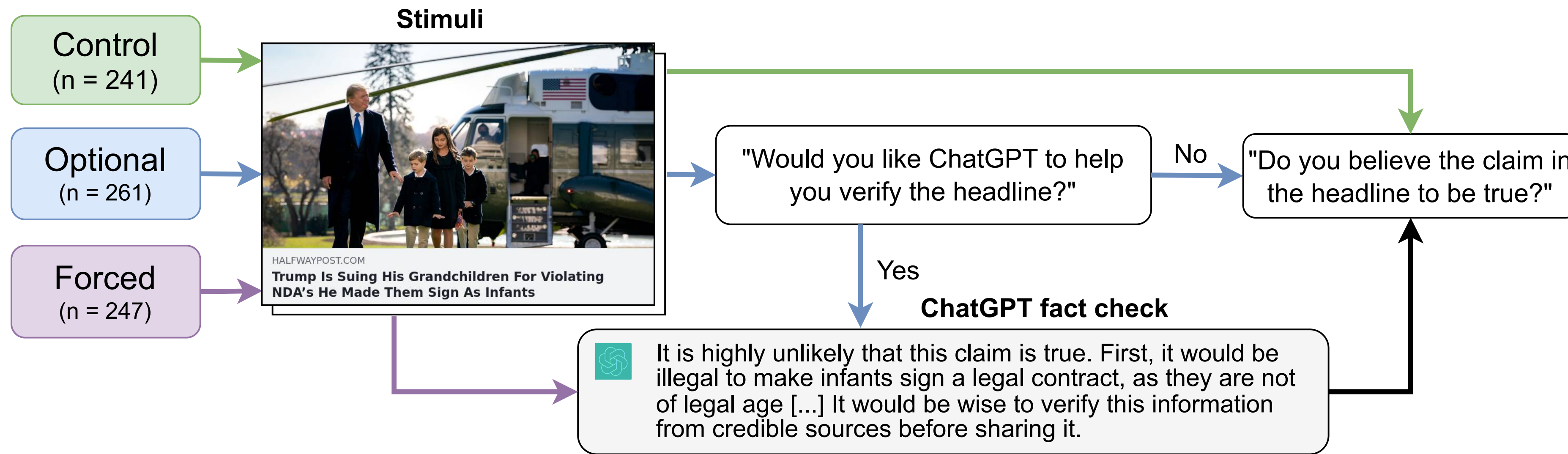
“I saw something today that claimed Trump is suing his grandchildren for violating NDAs he made them sign as infants. Do you think that this is likely to be true?”

...

“I saw something today that claimed Delta Force arrests Chelsea Clinton. Do you think that this is likely to be true?”

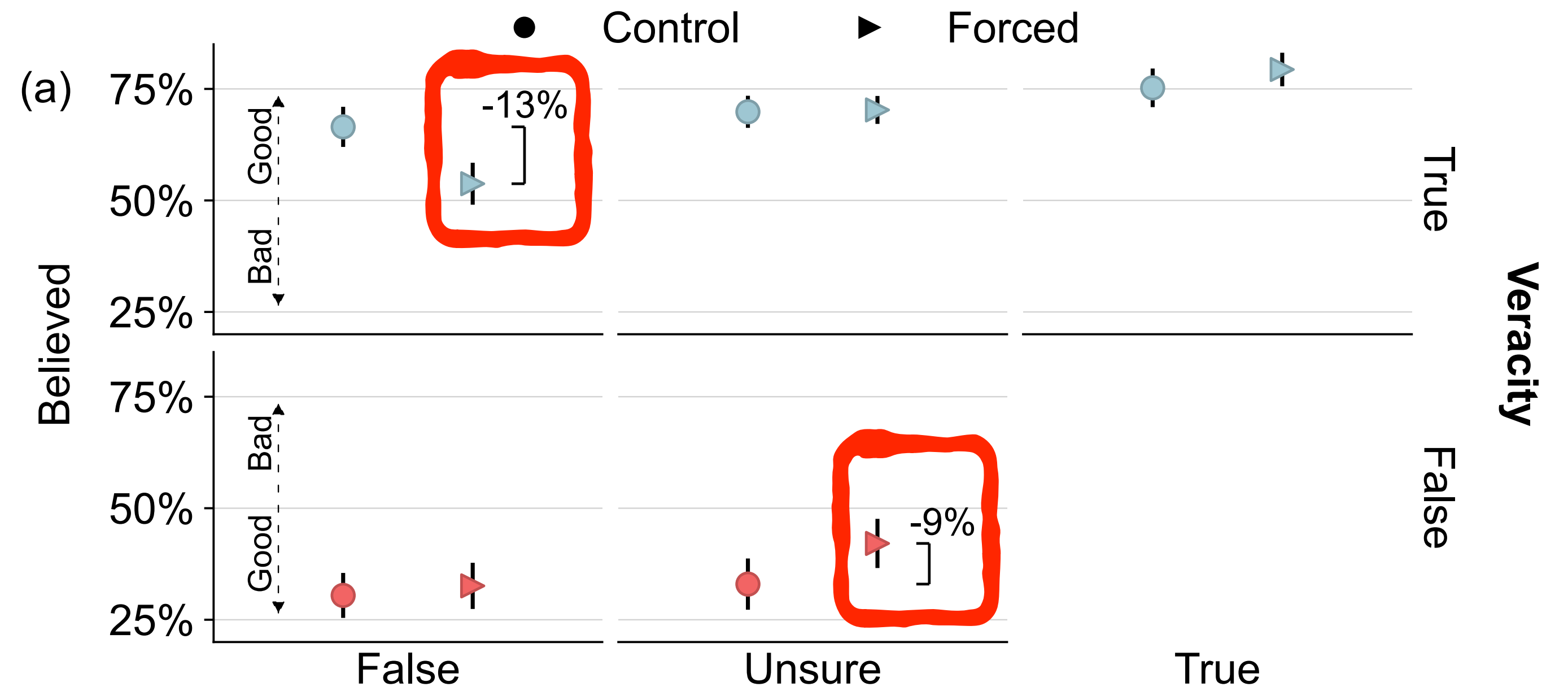
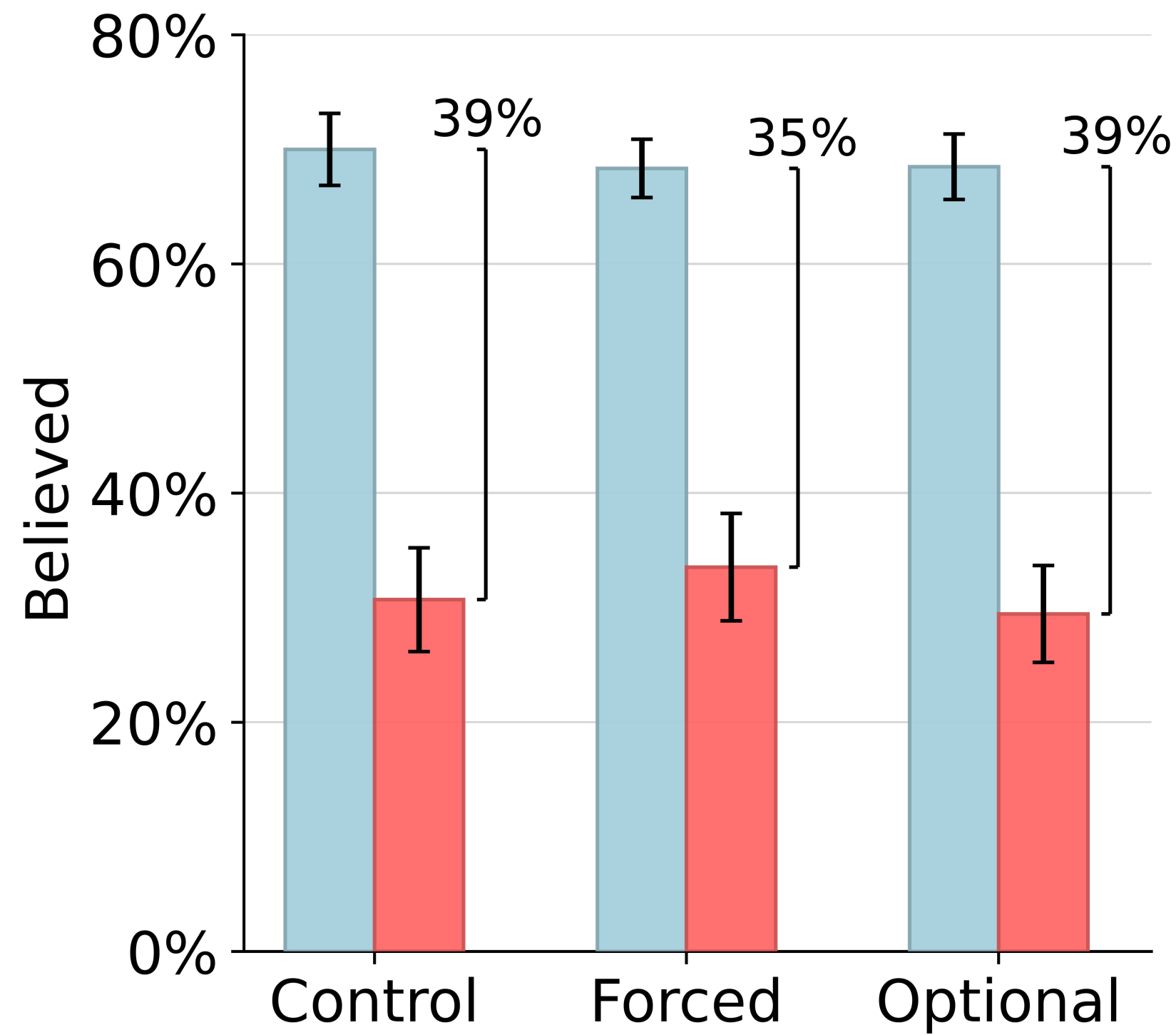
ChatGPT API





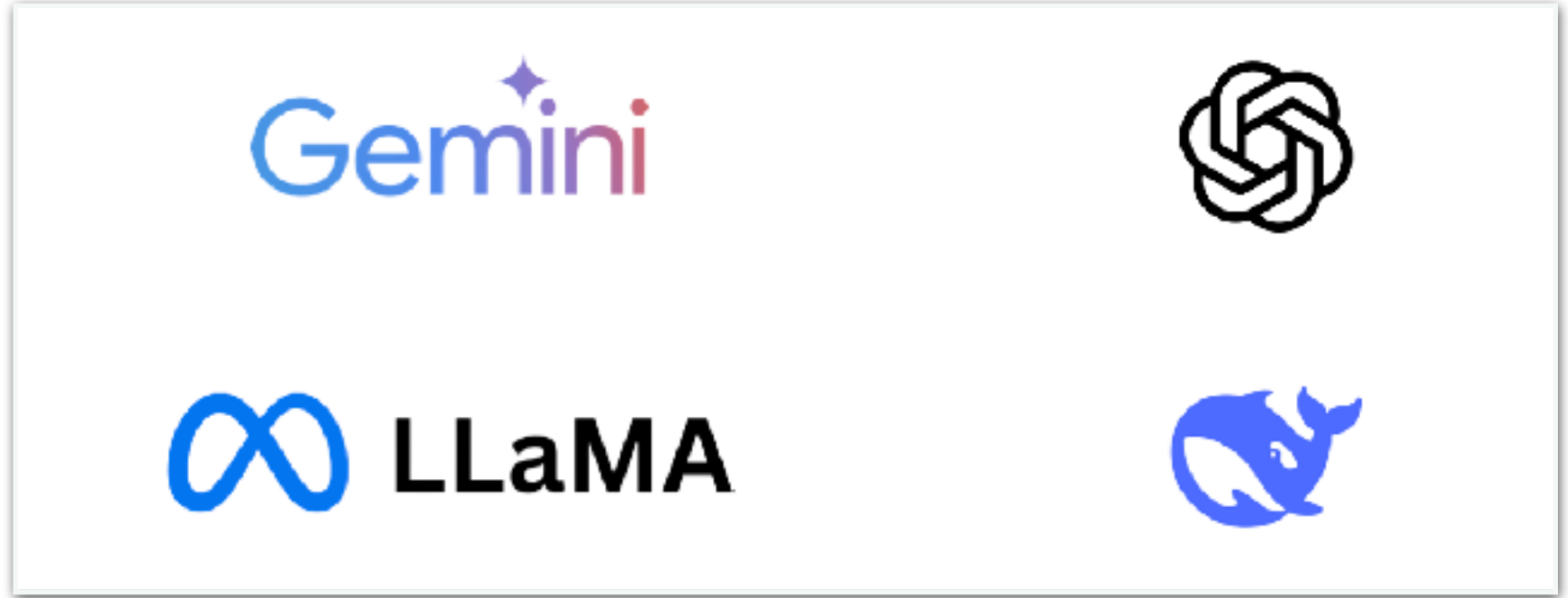
# Fact-checking information from large language models can decrease headline discernment

Matthew R. DeVerna<sup>a,1</sup> , Harry Yaojun Yan<sup>a,b</sup> , Kai-Cheng Yang<sup>a,c</sup> , and Filippo Menczer<sup>a</sup> 



1 **Baseline**

**Images from Jeffrey Epstein "archives" show President Donald Trump and Epstein with young women.**



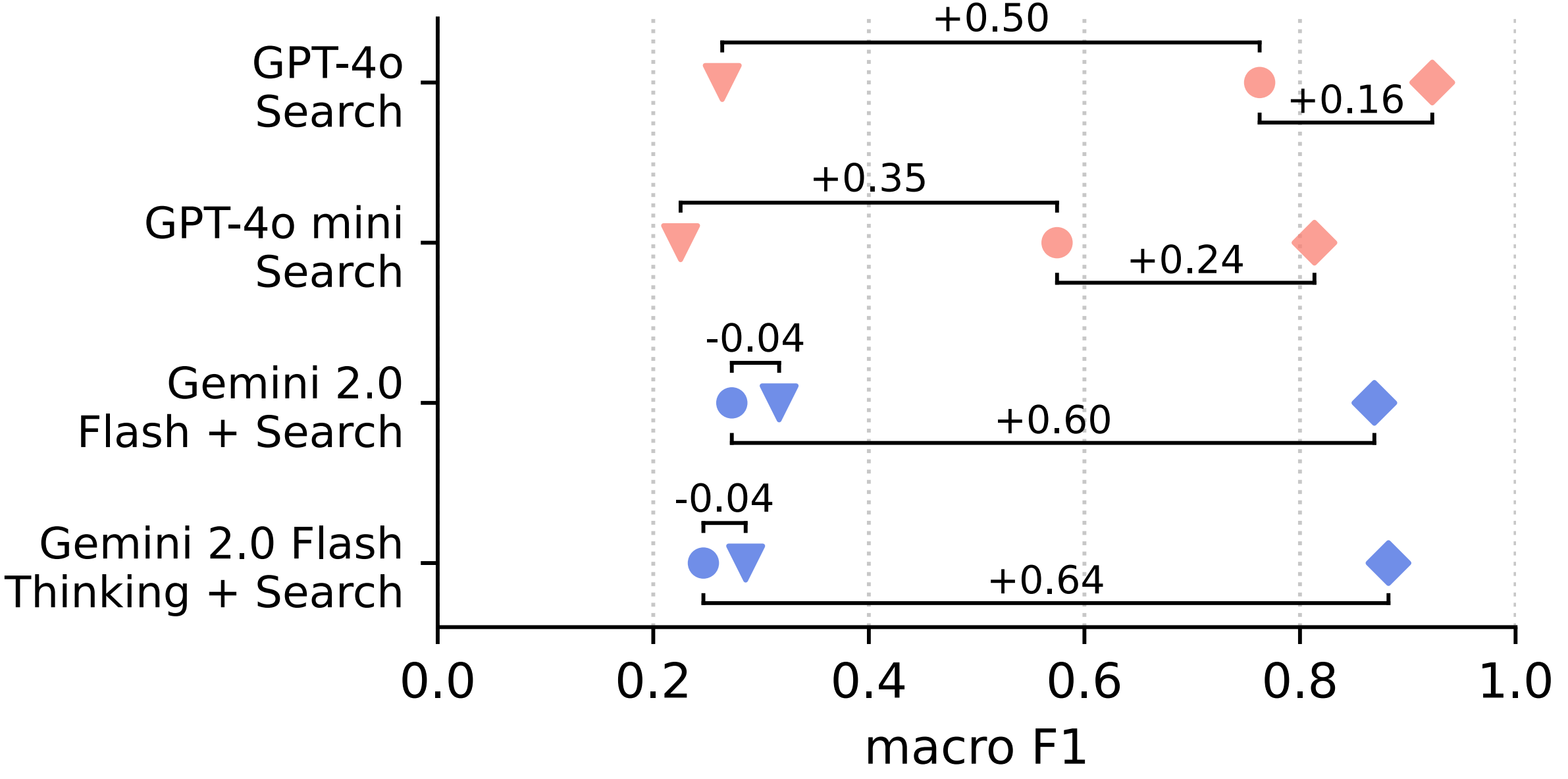
A screenshot of search results. The top result is from Yahoo, dated Dec 11, 2025, with the headline "Polaroids of Trump and Epstein with young women are fake. Here's ...". Below it is a result from PRS, dated Dec 11, 2025, with the headline "New photos from Epstein's personal collection show Trump ...". The bottom result is from ABC News, dated Dec 11, 2025, with the headline "Newly released photos from Epstein estate include images of...".

2 **+ Search**



3 **+ Curated RAG**

search



Where hope made a comeback

thegatewaypundit.com

Page · News & media website

Page manager locations include United States, Philippines

tips@thegatewaypundit.com

thegatewaypundit.com

Gateway Pundit News Alerts Channel · 1.9K members

Photos



Context from NewsBridge

It's great that you're interested in the impact of cellphone bans in Florida schools! While the headline suggests a statewide ban and focuses on reduced fights, the reality is more nuanced. The article specifically mentions Broward County Public Schools, where a near-total ban on cell phones during school hours (including lunch) has been implemented. This policy has resulted in a reported 17% decrease in fights and increased student engagement in class. It's important to note that other districts have different policies regarding cellphone use, ranging from restrictions during class to complete bans. So, while Broward County has seen positive results, the situation varies across Florida.

Sources: [dailymail.co.uk](http://dailymail.co.uk), [nbcmiami.com](http://nbcmiami.com)

Generate a Bridging Comment

Comment: Broward County's success with its near-total cellphone ban is encouraging, particularly the reduction in fights and improved classroom engagement. However, it's crucial to remember this is just one district. Florida's diverse school environments might react differently to such strict policies. Further research examining the impact of varied cellphone policies across multiple districts would provide a more comprehensive understanding of the issue statewide. Factors like school size, socioeconomic demographics, and existing school culture could influence the effectiveness of these bans.

Want to write a comment using this text? Copy to Clipboard

Note: NewsBridge uses AI to generate content and can make mistakes. Please double-check your sources.

Enforcer. Instead he whimpered with Hot Air and left Congress.

14h Like Reply

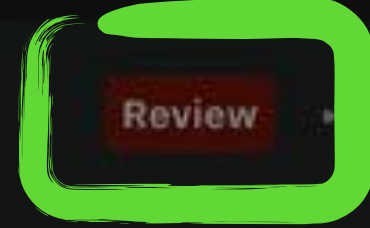


Comment as



Gateway Pundit

January 13 at 2:03 PM



THEGATEWAYPUNDIT.COM

Florida School District Banned Cell Phones and the Results Have Been Wild

A Florida school district that banned student cellphone use says that fights are down becau...

39

1 comment 12 shares

Like

Comment

Copy

Share



Matthew Avitt

Teachers cell phones should also be banned. Maybe then district literacy rates will go up 🙄

1d Like Reply



Kaicheng Yang



Matt DeVerna



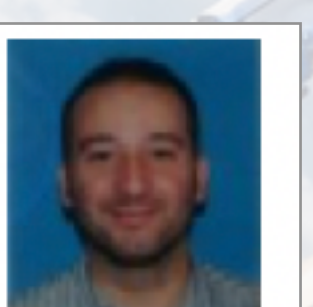
Bao Tran Truong



Alexander Nwala



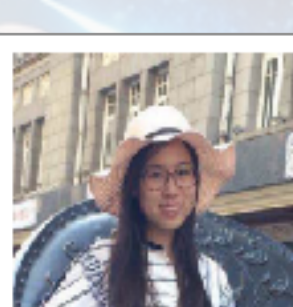
Harry Yaojun Yan



Emilio Ferrara



YY Ahn



Xiaodan Lou

Craig Newmark Philanthropies



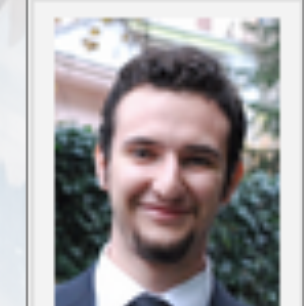
Swiss National Science Foundation



Sandro Flammini



Mohsen Sayyadi



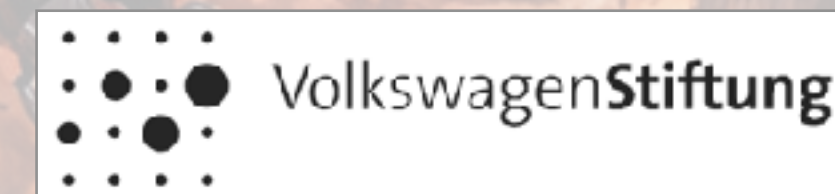
Onur Varol



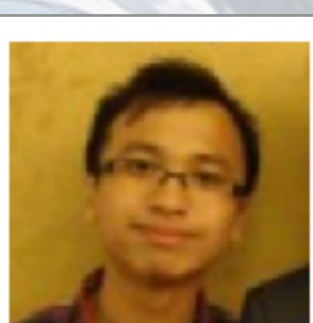
Mykola Trokhymovych



JAMES S. MCDONNELL FOUNDATION



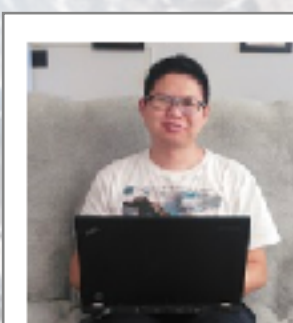
Clayton Davis



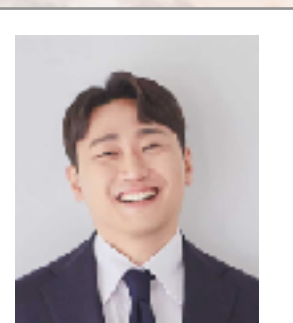
Pik-Mai Hui



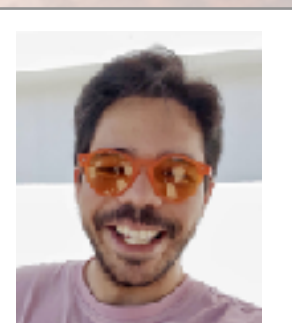
Oliver Mel Allen



Chengcheng Shao



Sangyeon Kim



Ozgur Seckin

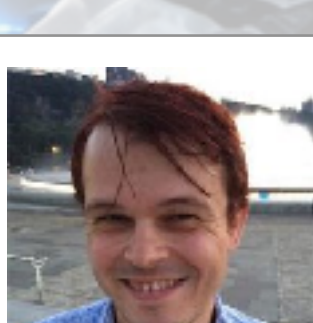


Danishjeet Singh

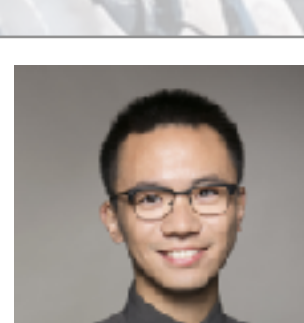
osome.iu.edu



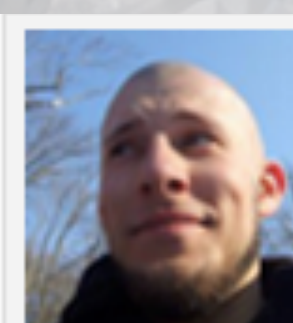
Chris Torres-Lugo



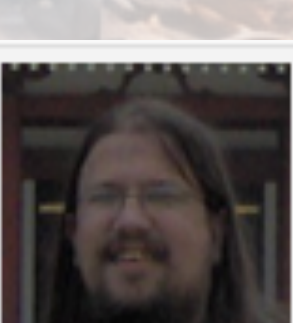
Alex Stewart



Siqi Wu



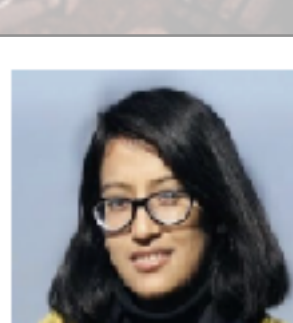
Jacob Ratkiewicz



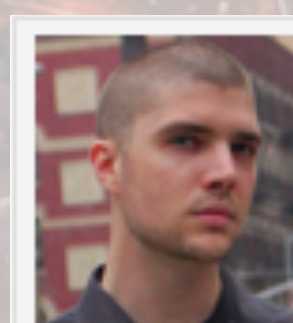
Mark Meiss



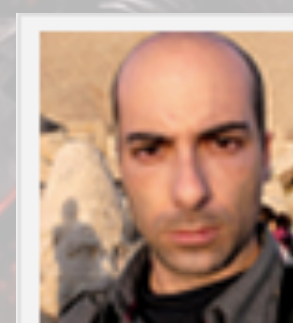
Diogo Pacheco



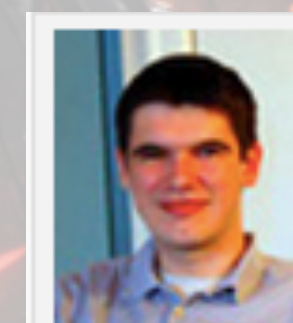
Manita Pote



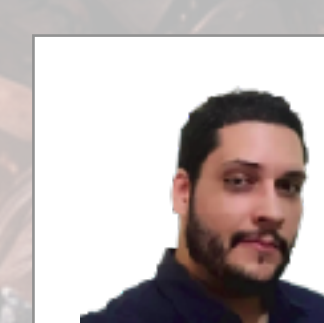
Michael Conover



Giovanni Luca Ciampaglia



Dimitar Nikolov



Lucas Raniere