Demo – Parrot.report

There's a really nice demo of Parrot Report online so I'll leave the link on here and please feel free to contact me about the rest of the presentation.

We Make Auditing Easier

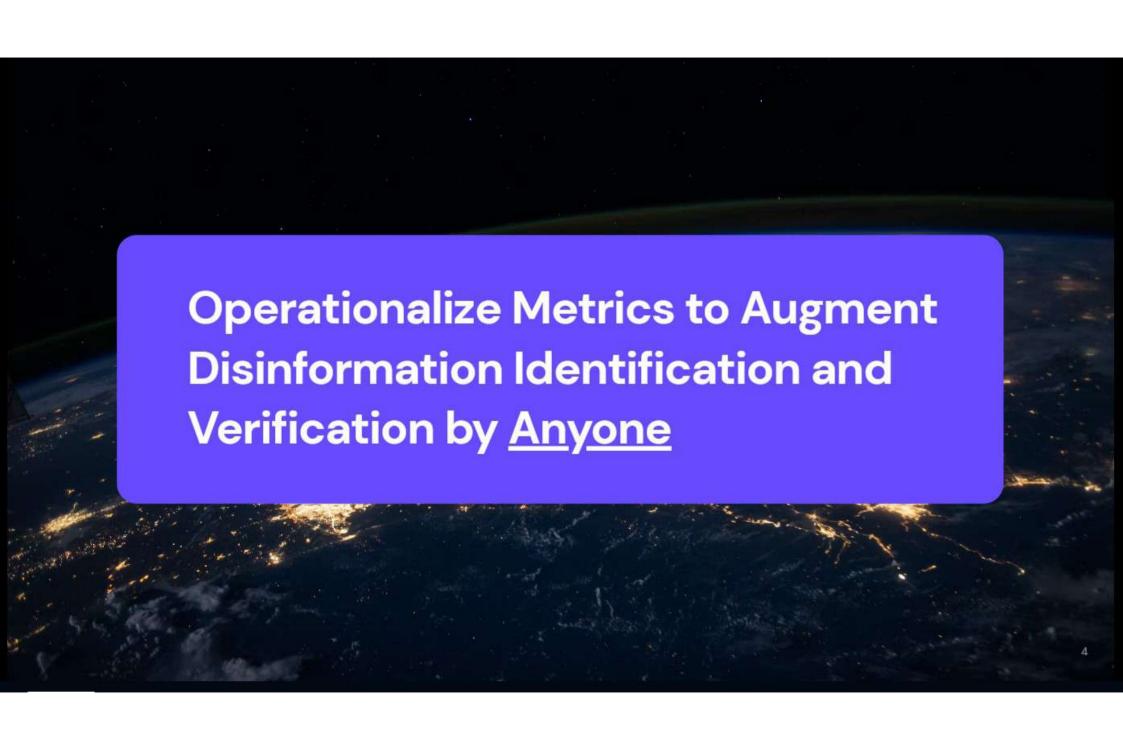## Identification

What information is being shared online?

Auditing

Is this misleading?
Is this coordinated?

Actioning

What can we do to limit its harms?

Operationalize Metrics to Augment Disinformation Identification and Verification by <u>Anyone</u>

RT.com and Sputnik News

Known sources of disinformation and influence operations.

We track 8000 articles posted since 2021.
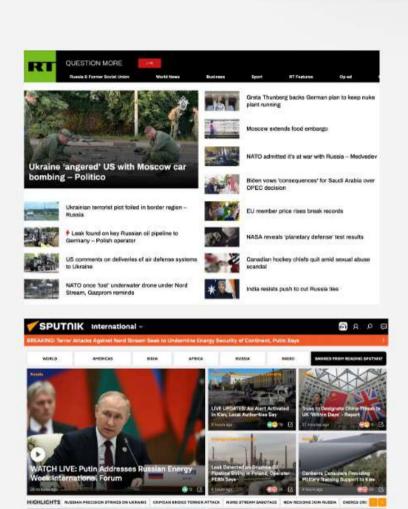
Some believed to be *manipulated*.

GEC Special Report

KREMLIN-FUNDED MEDIA:

RT AND SPUTNIK'S
ROLE IN RUSSIA'S DISINFORMATION
AND PROPAGANDA ECOSYSTEM

EU bans RT, Sputnik over Ukraine disinformation

By Foo Yun Chee

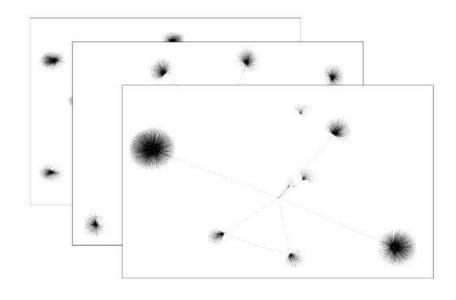Weaponising news: RT, Sputnik and targeted disinformation

How to help Identify Manipulative Narratives?

headline	publication_date	article_content	article_url	source
Great Britain Imposes Sanctions Against Sputnik's Head Anton Anisimov	2022-03-31	London has expanded its sanctions list by making 14 additions, the web site of the British government says. ... (text truncated)	https://sputniknews.com/20220331/great-britain-imposes-sanctions-against-sputniks-head-anton-anisimov-1094354237.html	sputnik
Hindu Group Marches to Support Russian Military Op, Slams Zelensky as Ukraine's No1 Enemy - Video	2022-03-31	Although the US and its allies imposed sanctions on Russia in response to the military operation in Ukraine, India's government has refused to give in to pressure...	https://sputniknews.com/20220331/hindu-group-marches-to-support-russian-military-op-slams-zelensky-as-ukraines-no1-enemy---video-1094367263.html	sputnik
US tells citizens in Russia and Ukraine to leave immediately	2022-03-31	State Department says Russia is targeting Americans after basketball star is jailed on drug charges...	https://www.rt.com/russia/553074-state-department-americans-leave-immediately/	rt

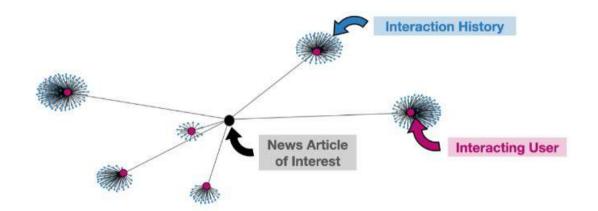**RT and Sputnik News Articles**

Understand the spread of the post

Collect Real-time Data

Tweets about the Article

Accounts Posting the Tweets,
Account Tweet History, Metrics

Account Followers,
Account Followers Tweet History

Favoriting, Retweeting,
   and Quote Tweeting Accounts

Interaction History

News Article
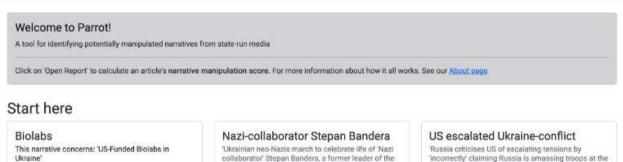of Interest

Interacting User

Parrot Report

Analyze the spread of unreliable narratives through coordinated networks!

Graph–based estimators of influence networks

Scores and summaries for practitioners to utilise downstream
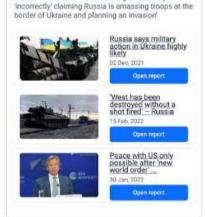
Content-level analysis can't tell apart coordination
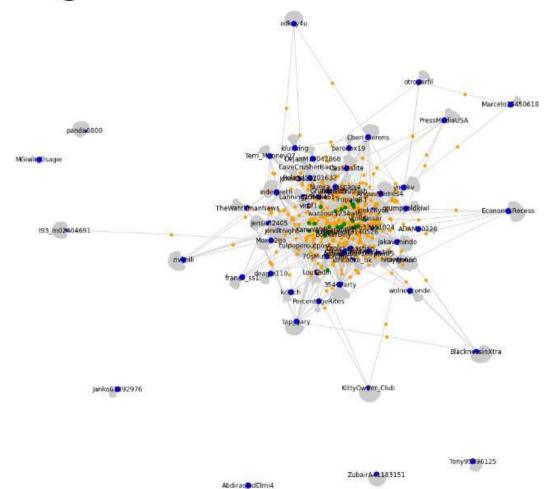
Find Interesting Groups: Signal from Noise

Accounts that share potentially manipulated narratives (RT, Sputnik)

Accounts that follow 1 – 3 blue accounts

Accounts that follow 4+ blue accounts

Lots of Influential Accounts Created Early On

Account Creation Month and Follower Count for Users

Identify Narratives Among these Groups

Topic Word Scores

Find Connections between Narratives

List of Topics

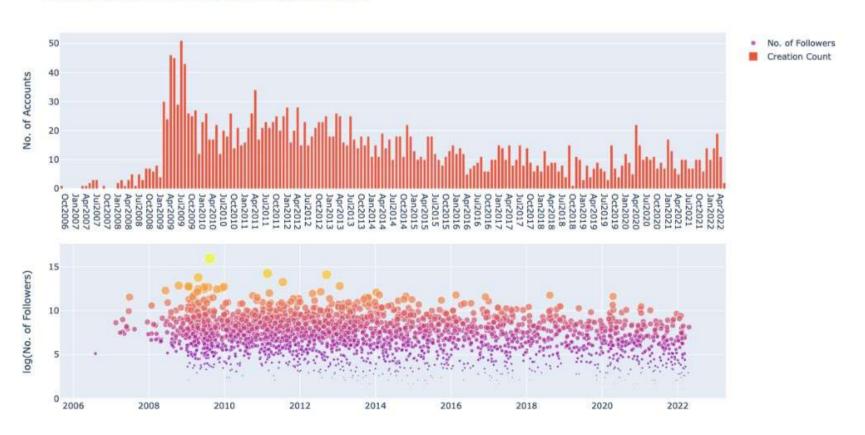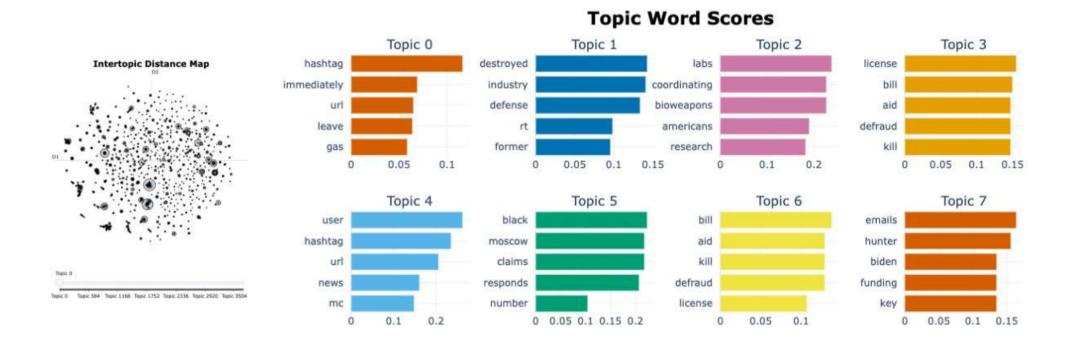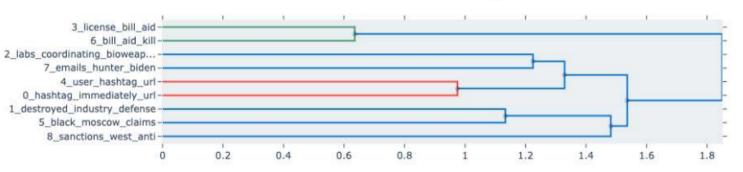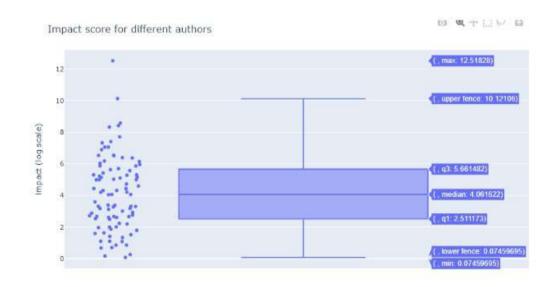| topic_nr	top_10_words	topic_size
0	impeachment, democrats, impeached, impeach, republicans, bidens, inquiry, obstruction, quid, impeaching	662
1	normandy, agreements, minsk, format, contact, lugansk, ceasefire, donbass, agreed, subgroups	520
2	imposed, sanctions, embargo, agricultural, imports, products, introduced, restrictions, goods, exports	499
3	think, really, do, don, sort, necessarily, certainly, perhaps, kind, going	485
4	civilians, militants, shelling, joins, jihadists, hama, injured, killing, residential, killed	480
5	it, but, is, understand, this, rather, that, serious, confrontation, not	462
6	nazi, nazis, wwii, collaborators, nationalists, upa, galicia, heroes, bandera, nazism	444
7	nord, stream, pipeline, uniper, project, engie, wintershall, allseas, omv, liquefied	425
8	proposals, guarantees, eastward, eastwards, expansion, written, nato, ryabkov, expand, alliance	419
9	exercises, drills, troops, military, presence, exercise, rotational, zapad, deployment, deployed	415
10	votes, timoshenko, poroshenko, elections, vote, election, rada, petro, party, parliament	401
11	prepayment, cubic_x, naftogaz, cubic, gazpron, gas, gas_x, oettinger, prodan, transit	398
12	jit, mh, buk, crash, downed, malaysian, dutch, dubinsky, dsb, malaysia	383
13	issg, sar, syrian, jabhat, nusra, settlement, damascus, syria, al, astana	355
14	invasion, imminent, invade, hysteria, amassing, reports, incursion, kremlin, massing, troops	338
15	lethal, assistance, stinger, equipment, javelin, provide, aid, providing, portable, systems	329
16	precision, konashenkov, artillery, destroyed, civilian, residential, donetsk, dpr, forces, civilians	285
17	match, midfielder, finals, tournament, football, lewandowski, game, fans, league, cristiano	272
18	membership, alliance, nato, joining, bloc, join, hoop, jaap, accession, scheffer	269
19	crosstalking, soundcloud, rttv, crosstalk, clear, sleboda, talk, political, babich, podcast	269

Hierarchical Clustering

Identify the most "Impactful" Accounts
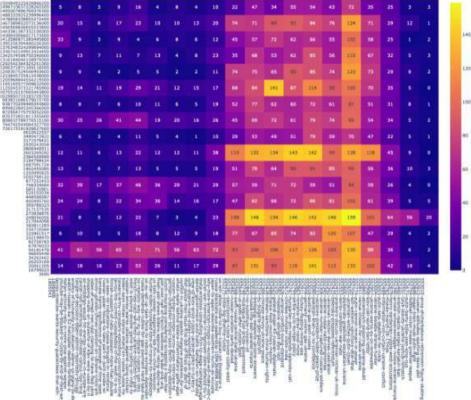
	username	followers_count
44	RT_com	3087851
49	SputnikInt	356111
47	ZANewsFlash	29907
23	AdsumP	21122
80	MendesOnca	14952

Impact score for different authors

Impact (log scale)

{ , max: 12.51828)
{ , upper fence: 10.12106)
{ , q3: 5.661482)
{ , median: 4.061622)
{ , q1: 2.511173)
{ , lower fence: 0.07459695)
{ , min: 0.07459695)

Impact = Mean Toxicity x log(follower count)

Some User Groups Share a LOT of Articles

How often do users share an article

Analysis Reveals Coordination Patterns

How often do users share an article
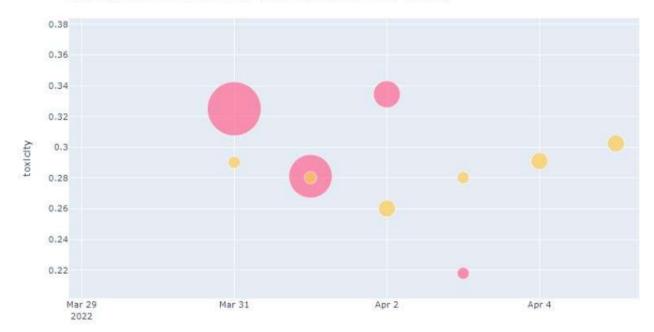
How often do users share an article

Identify Candidate Narratives with Unusual Trends

toxicity/tweet trend with time (size represents no. of tweets)
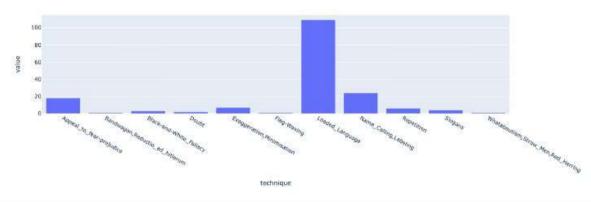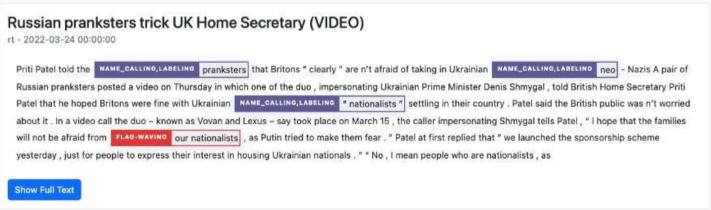
Ukraine Aid Bill is a License to Kill
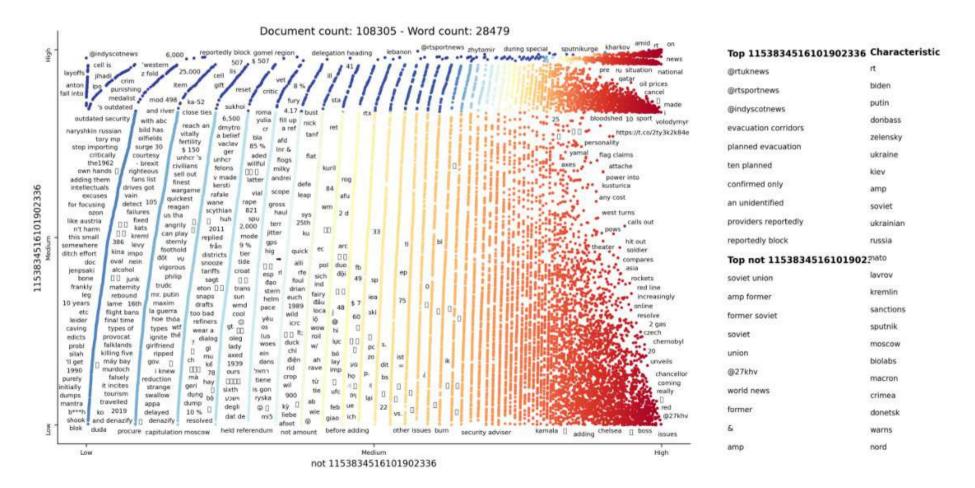
Russian Officials Speculating on FIFA Decision

Detecting Propaganda in the Content

Russian pranksters trick UK Home Secretary (VIDEO)

rt - 2022-03-24 00:00:00

Priti Patel told the **NAME_CALLING,LABELING** pranksters that Britons " clearly " are n't afraid of taking in Ukrainian **NAME_CALLING,LABELING** neo – Nazis A pair of Russian pranksters posted a video on Thursday in which one of the duo 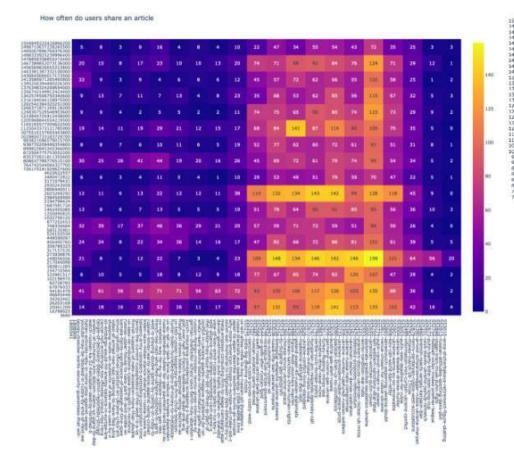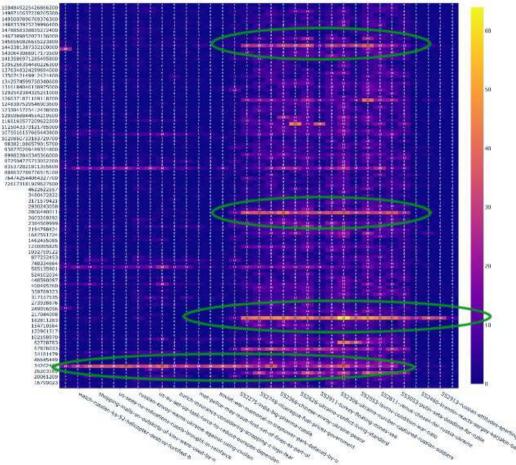, impersonating Ukrainian Prime Minister Denis Shmygal , told British Home Secretary Priti Patel that he hoped Britons were fine with Ukrainian **NAME_CALLING,LABELING** " nationalists " settling in their country . Patel said the British public was n't worried about it . In a video call the duo – known as Vovan and Lexus – say took place on March 15 , the caller impersonating Shmygal tells Patel , " I hope that the families will not be afraid from **FLAG-WAVING** our nationalists , as Putin tried to make them fear . " Patel at first replied that " we launched the sponsorship scheme yesterday , just for people to express their interest in housing Ukrainian nationals . " " No , I mean people who are nationalists , as

Show Full Text

Account-level Analysis of Interaction Likelihood

Document count: 108305 - Word count: 28479

Top 1153834516101902336	Characteristic
@rtuknews	rt
@rtsportnews	biden
@indyscotnews	putin
evacuation corridors	donbass
planned evacuation	zelensky
ten planned	ukraine
confirmed only	kiev
an unidentified	amp
providers reportedly	soviet
reportedly block	ukrainian
	russia

Top not 1153834516101902336	nato
soviet union	lavrov
amp former	kremlin
former soviet	sanctions
soviet	sputnik
union	moscow
@27khv	chernobyl
world news	biolabs
former	macron
&	crimea
amp	donetsk
	warns
	nord

Team

Swapneel Mehta
Ph.D. @ NYU Data Science

Founder

Shwe Han
DS @ B of A

Jay Gala
Resident @ IIT Madras

Deep Gandhi
MSc. @ UAlberta

Dhara Mungra
DS II @ Bombura

Raghav Jain
NLP @ IIT Patna

Jhagrut Lalwani
Ex – Goldman Sachs

Founding Team

Shwetanshu Singh
DS @ Leaf Logistics

Harshit Agarwal
Health ML @ Twitter

Early Team / Tech. Advisors