Simulating recipes

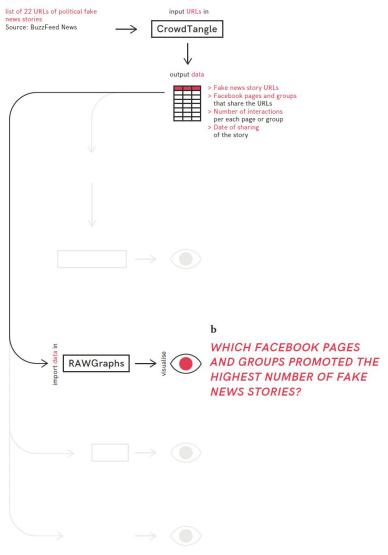*Elena Aversa, Matteo Banal, Angeles Briones, Beatrice Gobbo, Francesca Grignani, Edoardo Guido, Gabriele Wiedenmann*

A FIELD GUIDE TO

"FAKE NEWS"

and other

INFORMATION DISORDERS

A COLLECTION OF RECIPES
FOR THOSE WHO LOVE TO COOK
WITH DIGITAL METHODS

COMPILED BY

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Jonathan Gray
Tommaso Venturini
Michele Mauri

https://fakenews.publicdatalab.org/

START

list of 22 URLs of political fake news stories
Source: BuzzFeed News

input URLs in

CrowdTangle

output data

> Fake news story URLs
> Facebook pages and groups
  that share the URLs
> Number of interactions
  per each page or group
> Date of sharing
  of the story

import data in

RAWGraphs → visualise

b

WHICH FACEBOOK PAGES AND GROUPS PROMOTED THE HIGHEST NUMBER OF FAKE NEWS STORIES?

b. IDENTIFY THE FACEBOOK PAGES AND GROUPS THAT SHARE THESE STORIES

This may be done with a social media monitoring tool such as the browser extension of 🔧 CrowdTangle. The number of followers per page or group as well as the number of → interactions per posts should be recorded in a spreadsheet alongside the names of pages and groups that share fake news stories.

◊ Please note that a fake news story may be reposted on a number of different websites. For this reason a methodological decision needs to be taken from the outset as to whether only the pages and groups that share the original URL of the story will be recorded or whether all pages and groups that share all versions of the fake news story will be collected.

◊ You may want to take note of the pages or groups which shared the highest number of fake news stories as well as the total number of interactions generated by each group or page.

◊ If you use 🔧 CrowdTangle please note that for Facebook the tool returns the top 500 most popular public posts to verified pages as well as to pages with more than 125.000 fans.[1]

◊ You may use a → circle packing visualisation to represent the pages and groups that share fake news items as well as the number of stories which they share and the number of interactions which they generate. You may use 🔧 RAWGraphs for this operation.

[1]
See, CrowdTangle's "Frequently Asked Questions", available at: https://apps.crowdtangle.com/chrome-extension/faq

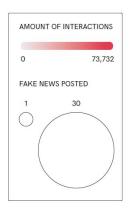# WHICH FACEBOOK PAGES AND GROUPS PROMOTED THE HIGHEST NUMBER OF FAKE NEWS STORIES? WHICH ONES CREATED THE HIGHEST ENGAGEMENT?

Public Facebook pages and groups that share fake news items, sized according to the number of items they share and coloured according to their number of followers. Each page can share the same item more than once. The pages and groups that share the highest number of stories are primarily pro-Trump supporters and anti-Hillary groups. The page that generates the highest number of interactions with fake news stories is the fan page dedicated to republican TV commentator, Jeanine Pirro.

AMOUNT OF INTERACTIONS

0   73,732

FAKE NEWS POSTED

1   30

Women SCOUTS for TRUMP (c)

We Endorse Donald J. Trump

Washington State for Donald Trump 2016

THE TRUMPERS!!!

THE TRUMPS STORM GROUP

WOMEN4TRUMP

TRUMP - SPEAK OUT AGAINST ISLAMIZATION OF AMERICA

NO Hillary for 2016

NEVER HILLARY CLINTON

Sicilians For Donald Trump

TRUMP FORCE ONE

Hillary Clinton vote blue

NEVER HILLARY

Veterans for Donald Trump

TRUMP OF CHAMPIONS

Hillary Clinton in 2020

Newslo

DONALD TRUMP COMMANDER IN CHIEF !!!!

Hillary Clinton Revolution

VOTE TRUMP ONLY - THE AMERICAN PARTY RISING

The Australian Tea Party

Donald Trump for President!

D.L. Hughley

Rock Feed

The Burrard Street Journal

F@CK YOU HILLARY CLINTON WE HATE YOU!

Democratic News and Events

Anonymous The World is Ours

Donald Trump for President Connecticut

VETERANS FOR PRESIDENT DONALD J TRUMP 2016

Indies 4 Trump

All Things #trumpvictory #neverhillary

Criminalize Conservatism

Donald Trump VS. Hillary Clinton

Resist Donald J. Trumpf

The Church of PUNK

Deplorables for TRUMP

Donald Trump The Political Movement

1 Million Strong For Hillary Clinton In 2016

Conservative Veterans for America

Donald Trump President

The Empire Herald

Chonda Pierce

FU Trump

One Nation Under God

Females for TRUMP

Citizens For Trump

Being Liberal Means Being a Hypocrite 2

Colorado for Donald Trump 2016

Donald Trump For President

Make America Great Again

Republican Patriotic Party

Judge Jeanine Pirro has Fans

Don P

UNITE TO FIGHT BRING AMERICA BACK !!! TRUMP 2016

The Original Wake Up America

PATRIOT AMERICANS FOR DONALD TRUMP

Freedom Don't Come Free & Devildoc

Donald J. Trump for PRESIDENT Facebook Group

Donald Trump America's President (c)

Donald Trump Commander in Chief 2020

HILLARY IN 2016 & 2020

MY VOTE'S FOR TRUMP The Deplorables

Reclaim America

The Resistance: The Last Line Of Defense

Friends Who Like Donald J. Trump

TrumpNation

Patriots for a Free Republic - Trump Squad

Politicked

REPUBLICANS - CONSERVATIVES - TEA PARTY PATRIOTS - RIGHT WING AMERICANS

The Trump American Party

Tomorrow's News Today.

Trump America

Trump Train

Trump USA's CEO

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RAWGraphs

visualise

b

*WHICH FACEBOOK PAGES
AND GROUPS PROMOTED THE
HIGHEST NUMBER OF FAKE
NEWS STORIES?*

**Generate a list of urls
Netvizz**

**Identify pages that
shares these links
Crowdtangle**

**Visualize data
Rawgraph**

➔ **Internet Connection**

➔ **Netvizz - Facebook account**

➔ **Crowdtangle Extension for Chrome**

➔ **Google Spreadsheet or Excel**

Imola Oggi

@imolaoggi2

Create a Page

👍 Like   🔊 Follow   ➤ Share   ····

💬 Send Message

Posts

IO **Imola Oggi**
14 hrs · 🌐

🔴 LUPI E PECORE - DA LEGGERE 🔴

Lettera aperta a Greta: vai a studiare prima di farti usare 'per salvare il Mondo'

http://www.imolaoggi.it/.../lettera-aperta-a-greta-vai-a-stu.../

Community

See all

👥 **Invite your friends** to like this Page

👍 8,471 people like this

🔗 8,670 people follow this

About

See All

💬 **Send message**

🌐 www.imolaoggi.it

🗔 News and media website

✎ **Suggest Edits**

Your Pages (only visible to you)

🏳 **Beatrice Gobbo**

Netvizz v1.6

Page Data Module

On February 5 2018 Facebook has removed API access for a number of elements on public pages. This includes fans per country and all user information, which means user–post bipartite graphs can no longer be generated and users can no longer be distinguished in comment files.

This module gets posts (specify either last n or a date range) on a page and creates these files:

- A tabular file (tsv) that lists a series of metrics for each post;
- A tabular file (tsv) that lists basic stats per day for the period covered by the selected posts, including reactions per post;
- A tabular file (tsv) that contains the text of user comments (no user information);

Attention: processing time depends a lot on page size and may take up to an hour or more. The script may run out of memory or access credits for very large pages (> 1M comments/likes). Consider grabbing stats only or working with smaller date blocks. On the first run, *always* select "post statistics only" to get an idea of the size of the page.

Attention: the Facebook API's **/feed and /post endpoints** may retrieve incomplete sets of posts, accoding to the **documentation**,"a maximum of 600 ranked, published posts per year". This affects all software gathering data through the API. **According to Facebook**, these endpoints now show the same posts the logged user would see on the page surface. Which posts are retrieved may depend on whether you like the page or not. For a research perspective on missing posts, check out **this paper**.

See the api reference documentation for the **page/feed endpoint**.

Check the **FAQ** for how to deal with problems.

---

page id:	18459033955 (find page ids **here** or through Netvizz' **search module**)
date scope:	◉ last 10 posts (max. 999)
	○ posts between 2019-03-12 and 2019-03-18
data to get:	◉ post statistics only (post metrics, stats per day)
	○ post statistics and 200 top ranked comments per post
	○ full data (full comment files, can fail for larger pages)

get **post by page only** or **posts by page and users**

Netvizz Results

type	post_link	likes_count_fb	comments_count	reactions_count_	shares_count_fb	engagement_fb	rea_LOVE
link	https://www.faceb	41	148	148	147	443	
link	https://www.faceb	35	0	45	18	63	
link	https://www.faceb	28	6	54	64	124	
link	https://www.faceb	220	17	237	87	341	
link	https://www.faceb	111	67	258	178	503	
link	https://www.faceb	41	10	87	58	155	
link	https://www.faceb	13	9	38	26	73	
link	https://www.faceb	117	6	155	153	314	
link	https://www.faceb	21	0	21	6	27	
link	https://www.faceb	61	6	77	81	164	

CROWDTANGLE Results

	A	B	C	D	E
	Source ▼	Followers ⟱	Date ⟱	Interactions ⟱	Post Type
	LEGA - Salvini Premier - Ogliastro Cilento	3671	Mon Mar 18 2019	158	Facebook
	Lega Salvini Sulmona	21667	Mon Mar 18 2019	45	Facebook
	MILITANZA LEGHISTA	3726	Mon Mar 18 2019	23	Facebook
	IN FAVORE DEI FRANCESCANI DELL'IMMACOLATA	8480	Mon Mar 18 2019	20	Facebook
	Matteo Salvini per tutti gli Italiani 💙	20084	Mon Mar 18 2019	10	Facebook
	CITTADINI INCAZZATI CONTRO LA CLASSE POLITICA	5772	Mon Mar 18 2019	1	Facebook
	SALVINI LIBERO 💙	1291	Mon Mar 18 2019	0	Facebook
	Dalla vostra parte	23732	Tue Mar 19 2019	0	Facebook
	LEGA - Salvini Premier - Ogliastro Cilento	3671	Mon Mar 18 2019	158	Facebook

CROWDTANGLE Results - RAWGRAPHS

http://rawgraphs.io/

CROWDTANGLE Results

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BONUS TRACK - Netvizz

Netvizz v1.6

Page Data Module

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See the api reference documentation for the **page/feed endpoint**.

Check the **FAQ** for how to deal with problems.

---

page id: `40125481339€` (find page ids **here** or through Netvizz' **search module**)

date scope: ● last `50` posts (max. 999)
○ posts between `2019-03-12` and `2019-03-18`

data to get: ○ post statistics only (post metrics, stats per day)
● post statistics and 200 top ranked comments per post
○ full data (full comment files, can fail for larger pages)

get **post by page only** or **posts by page and users**

File Column Explanations

For more details check the API reference for **page objects**.

post stat file – tsv format – rows are posts

BONUS TRACK - Lega Salvini Premier - Ogliastro Centro

type	link_domain	likes_count_fb	comments_count	reactions_count_	shares_count_fb	engagement_fb	rea_LOVE
status		42	9	42	6	57	
photo	facebook.com	236	82	251	87	420	
link	imolaoggi.it	19	84	69	16	169	
link	m.orizzontescuol	29	3	33	7	43	
video	facebook.com	40	2	48	8	58	
link	napoli.fanpage.it	32	2	51	12	65	
link	stiletv.it	71	8	76	24	108	
link	infocilento.it	8	0	8	0	8	
link	m.ilgiornale.it	28	5	48	9	62	
link	anteprima24.it	36	2	38	14	54	
video	facebook.com	69	9	78	11	98	
link	corrieredelmezzo	48	1	48	21	70	
video	facebook.com	18	0	19	2	21	
photo	facebook.com	84	2	106	20	128	
video	facebook.com	149	16	165	51	232	
link	ottopagine.it	61	3	81	22	106	
link	telecaprinews.it	22	0	29	4	33	
link	tinyurl.com	3	0	3	0	3	
link	cilentochannel.cc	17	0	17	1	18	
link	infocilento.it	23	1	24	0	25	
photo	facebook.com	90	2	96	9	107	
link	m.ilmattino.it	47	17	137	53	207	
link	psnews.it	285	35	313	148	496	

BONUS TRACK - Lega Salvini Premier - Ogliastro Centro

Customize your Visualization

Diameter

847

Padding

5

Sort By Size

☑

Color Scale

Linear (numeric) ▾

Search...

2	#f7fbff
285	#fa6666

Show Labels

☑

AMOUNT OF INTERACTIONS

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POST SHARED

1   30