

CRYPTOPARTY TIRANA 2023

RECLAIMING OUR ONLINE PRIVACY!

NOV 04 2023 10:00 AM

ORGANIZED WITH PASSION FOR INTERNET FREEDOM BY





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HIBP, Telegram

Docs, Images, Videos

Social media, Sentiment

OpenStreetMap, Satellites

Scale

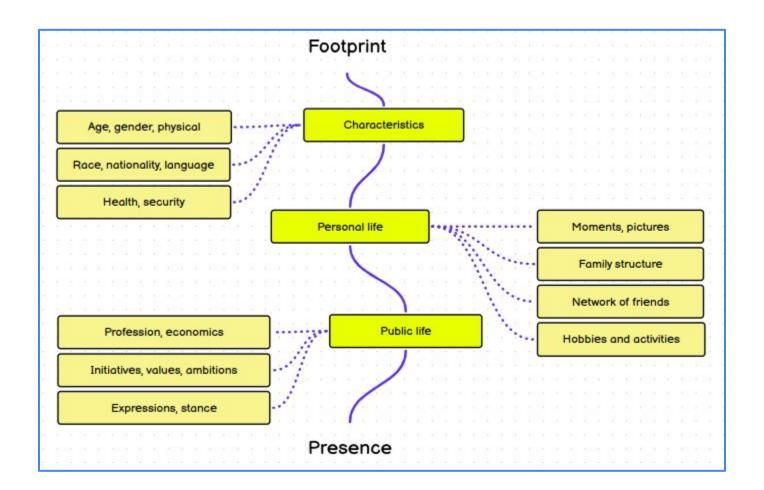
Verification

Research

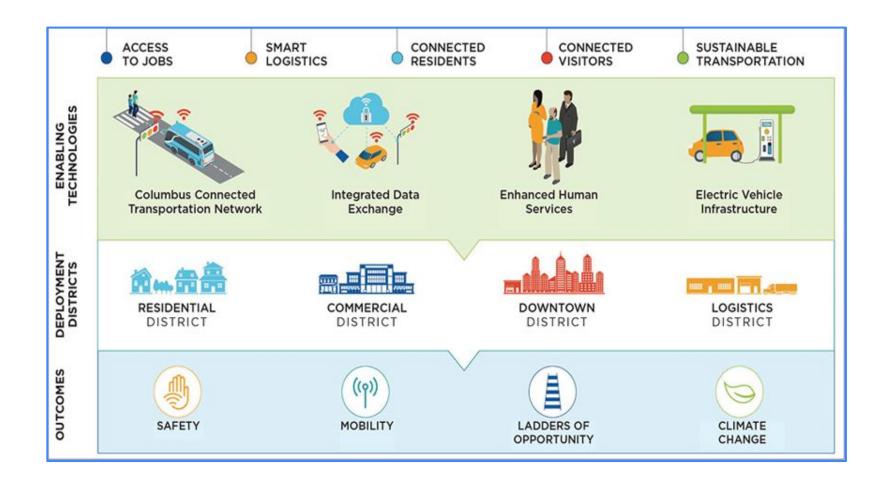
Story

The role of the digital footprint?

An illustration of the footprint that a person can have in each sphere.

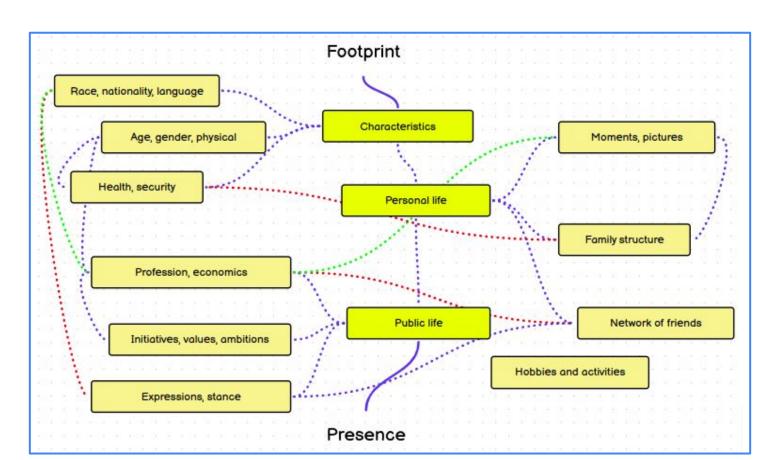


With digitalization life has a quicker pace, so components are more connected.

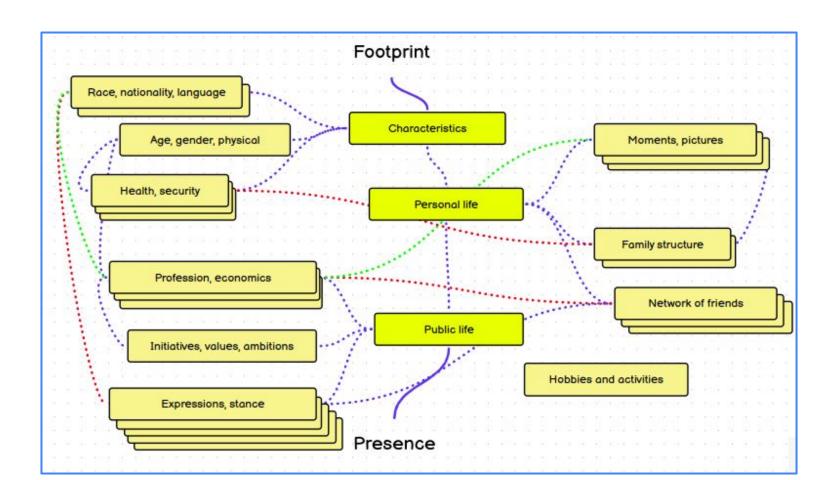


The Digital Footprint

A more realistic illustration of the connection of info that is going on.

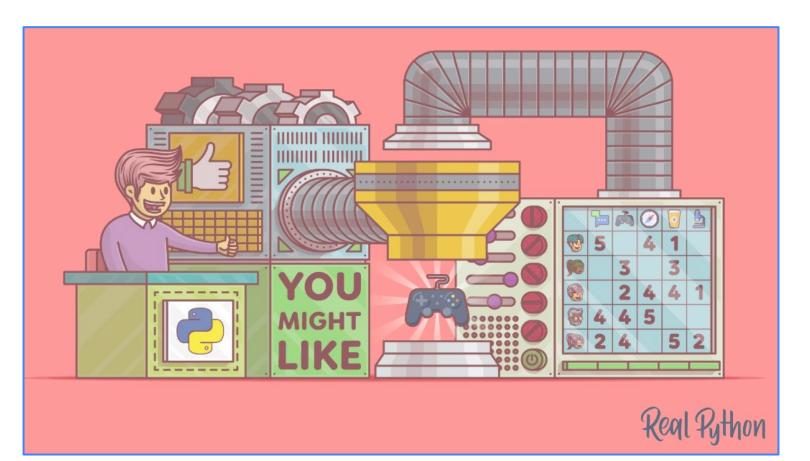


With info that doesn't get deleted, the management of footprint is difficult.



An industry of processing

And now we have some entities that only profit with these profiles.



Result?

- A lot of data, and a lot of metadata
- A lot of analysis can be done quicker
- Advanced analysis is at the door
- Very good dashboards for story-making (…)

- Communities that open-data
- Open-Source initiatives that share knowledge
- Tools that can help with digital investigation ⇒ OSINT

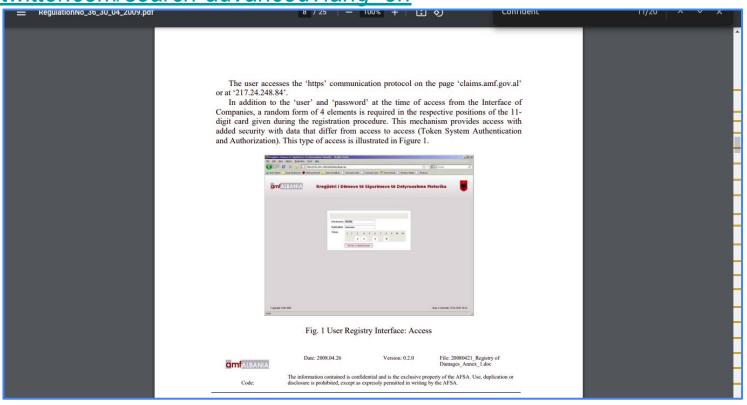
Which tools can be useful?

Searching (Dorks)

Advanced searching in normal engines can bring about sensitive information.

https://www.google.com/advanced_search

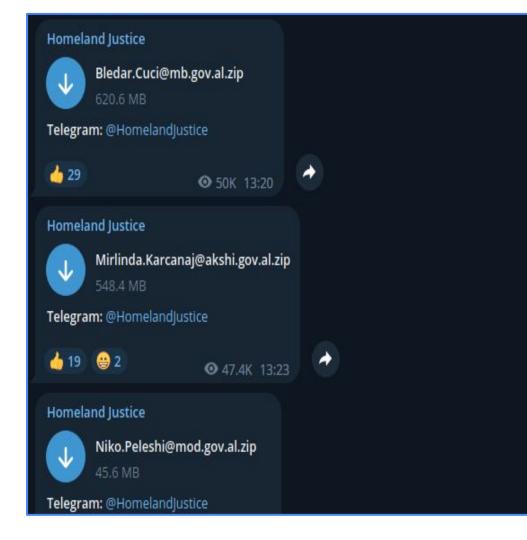
https://twitter.com/search-advanced?lang=en



Leaks

Some of the information leaked is in Deep Web. There are other cases when you can find the information in generic channels.

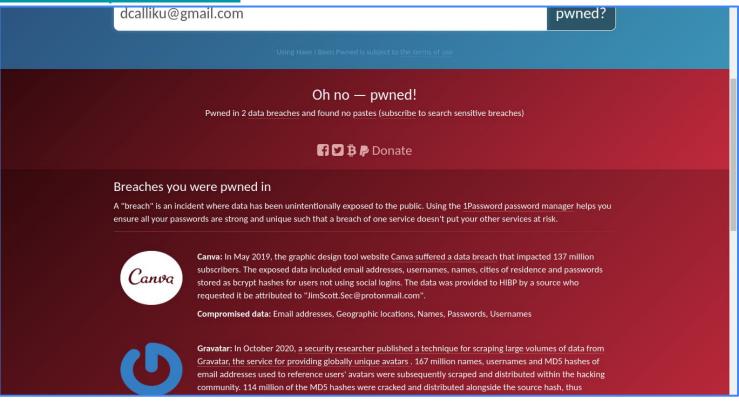
Like in Telegram...

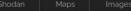


HavelBeenPwned

There have been multiple leaks, and many of them from very well-known searches. HIBP provides the opportunity to check your email.

https://haveibeenpwned.com/





SHODAN

Explore

Pricing ☑

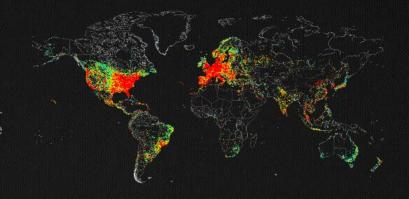
Q

Login

Search Engine for the **Internet of Everything**

Shodan is the world's first search engine for Internetconnected devices. Discover how Internet intelligence can help you make better decisions.

SIGN UP NOW



// EXPLORE THE PLATFORM

Beyond the Web

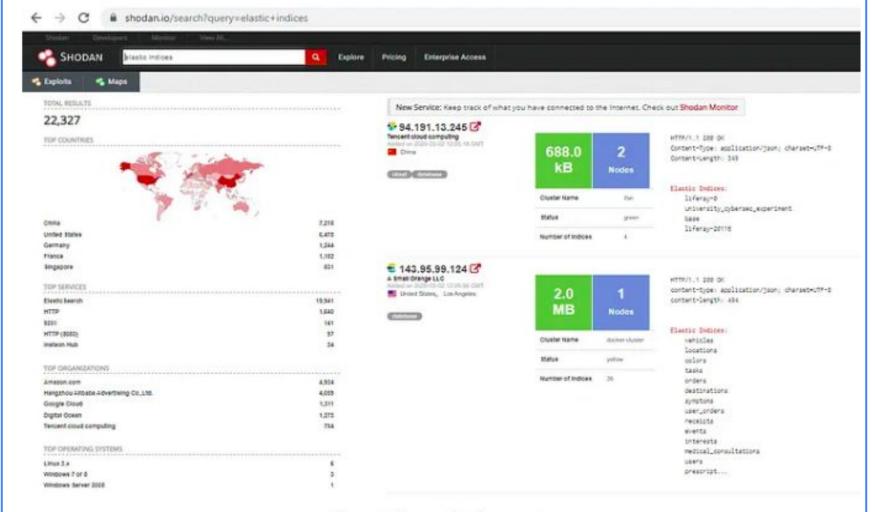
Websites are just one part of the Internet. Use Shodan to discover everything from power plants, mobile phones,

品 Monitor Network Exposure

Keep track of all your devices that are directly accessible from the Internet. Shodan provides a comprehensive view of all exposed services to help you stay

品 Internet Intelligence

Learn more about who is using various products and how they're changing over time. Shodan gives you a data-driven view of the technology that powers the



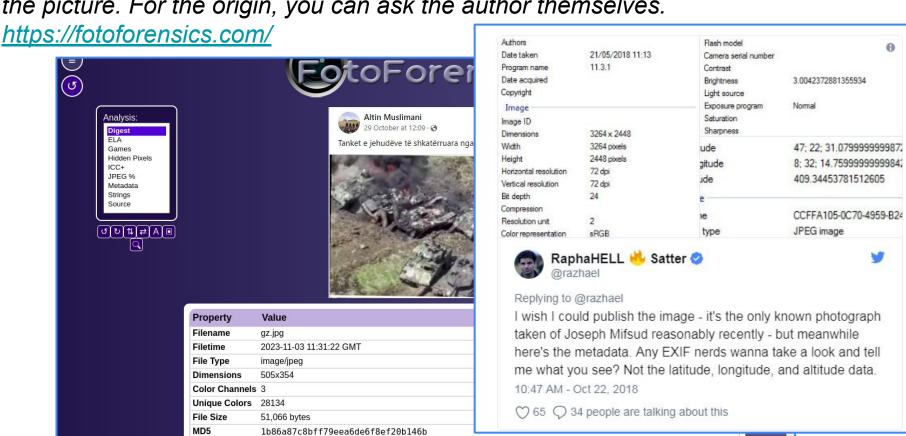
Sample Query elastic search

Verification

Image Verification

CHA1

Find information regarding the origin, date, location through checking metadata of the picture. For the origin, you can ask the author themselves.



6haa2c45had05621402f220a2f7hfa2hc1f20ad0

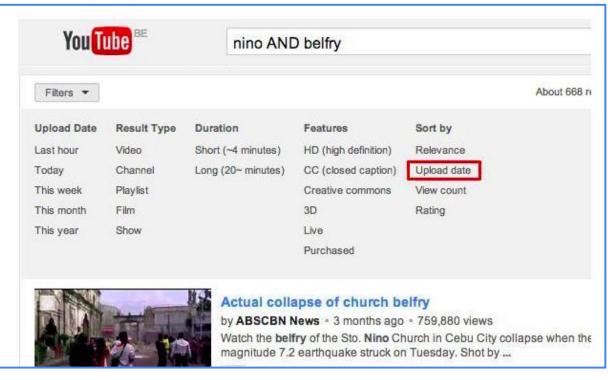
Video verification

Find the earliest date uploaded, check thumbnail, check whether it has been shared from other sources, check the author and their upload time.

https://www.wolframalpha.com/input?i=Weather%2C+Tirana%2C+Saturday%2C

+*Nov*+*4*%2*C*+2022





Wayback Machine

Find how content has changed in a website. Can be useful for fact-checking and checking how the relevant news was set in relation to other news.

https://web.archive.org/web/20150801031955/http://www.panorama.com.al/

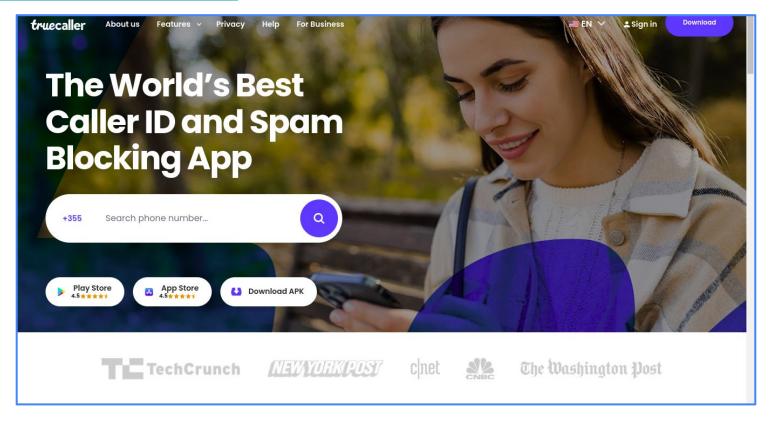


Social / profile analysis

Your phone

TrueCaller, a database of phone numbers, given voluntarily (...).

https://www.truecaller.com/



Social profiles

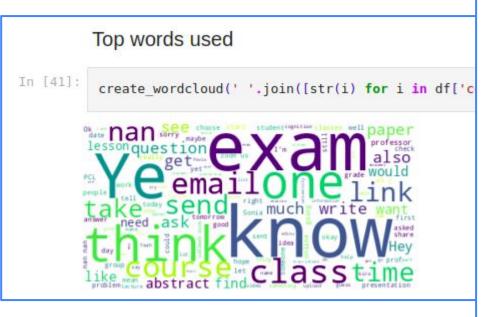
Filter all the related social/professional profiles based on usernames.

https://github.com/sherlock-project/sherlock

```
(venv-OSINT) delta@nature:~/Desktop/open-labs/sherlock$ python3 sherlock pomodoren
[*] Checking username pomodoren on:
[+] AllMyLinks: https://allmylinks.com/pomodoren
[+] G2G: https://www.g2g.com/pomodoren
[+] GitHub: https://www.github.com/pomodoren
[+] Lolchess: https://lolchess.gg/profile/na/pomodoren
[+] OpenStreetMap: https://www.openstreetmap.org/user/pomodoren
[+] Telegram: https://t.me/pomodoren
[+] Twitter: https://twitter.com/pomodoren
[+] Virgool: https://virgool.io/@pomodoren
[+] Wattpad: https://www.wattpad.com/user/pomodoren
[+] Whonix Forum: https://forums.whonix.org/u/pomodoren/summary
[+] Wikipedia: https://en.wikipedia.org/wiki/Special:CentralAuth/pomodoren?uselang=qqx
[+] mastodon.social: https://mastodon.social/@pomodoren
[+] metacritic: https://www.metacritic.com/user/pomodoren
[*] Search completed with 13 results
(venv-OSINT) delta@nature:~/Desktop/open-labs/sherlock$
```

Analyze the chat

Get and analyze the data from your chat. Local, will share.



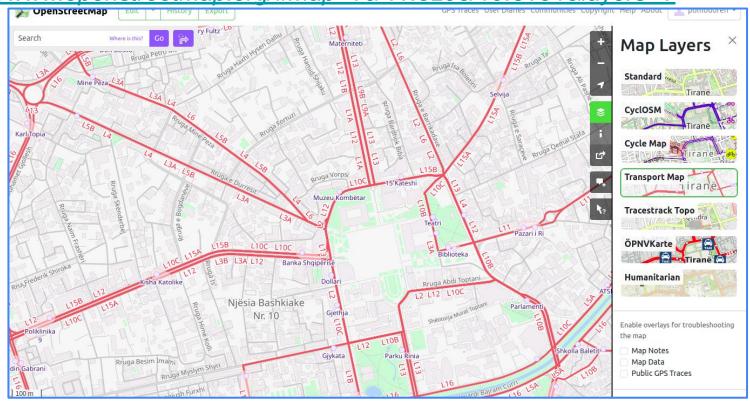
Single Author Analysis In [40]: author = 'Doren' results = (df[df['author']==author][['date', 'compound']] .reset index() print() results.plot.scatter(x='date', y='compound') plt.xticks(rotation=45) print() 0.75 0.50 punodwoo 0.25 0.00 -0.25-0.50-0.75

Geospatial

OpenStreetMap

Has extensive information about the city's infrastructure, buildings, landuse, natural properties, and more. It can be useful to understand scale.

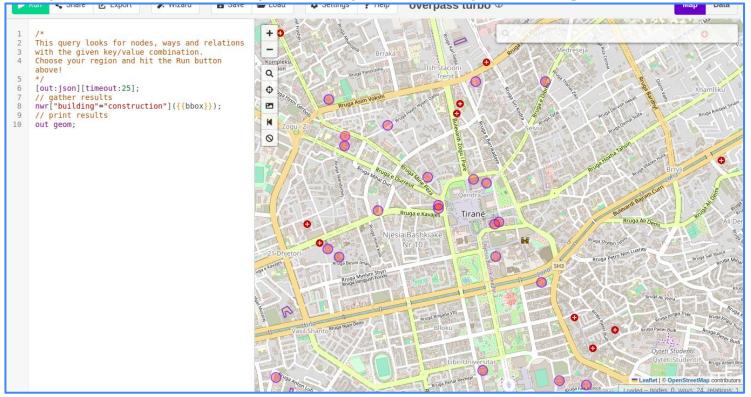
https://www.openstreetmap.org/#map=16/41.3293/19.8154&layers=T



Overpass-Turbo

Advanced searching for all the properties of the OpenStreetMap. Below you can see all the active building sites in the center of Tirana.

https://overpass-turbo.eu/?template=key-value&key=building&value=construction

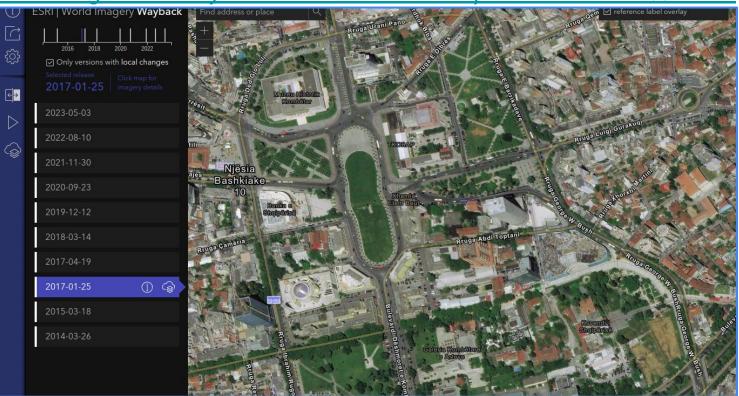


Geospatial Wayback Machines

They allow different tools for comparing the satellite data in time. It can be helpful in case of searching some specific information change you can't get from OSM.

https://livingatlas.arcgis.com/wayback/#active=9486&mapCenter=19.820%2C41.

328%2C17



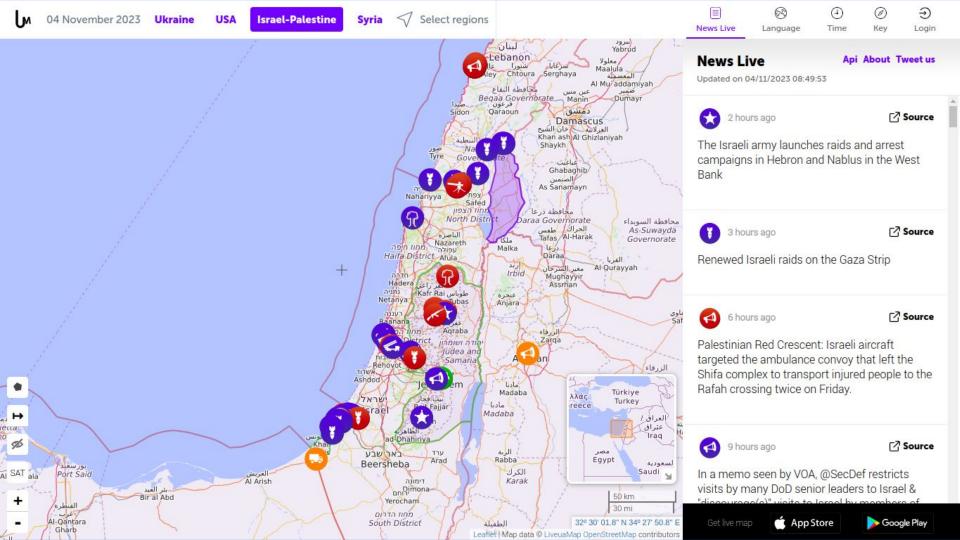
Ukraine



Top: Reuters Livestream (Source: Reuters) Bottom: Image showing alignment used for identification of point of impact (Source: Google/Maxar Technologies/Airbus/CNES)

At least 40 people were reportedly killed in the strike.

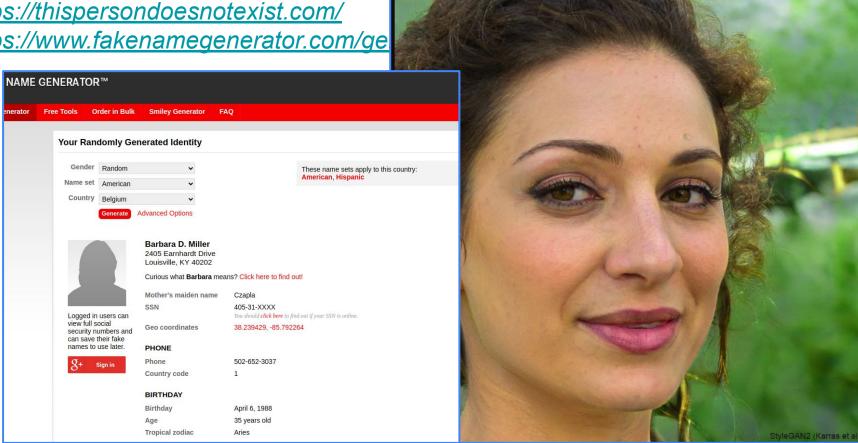
The IDF confirmed an airstrike was carried out on Jabalia, stating, "The strike damaged Hamas's command and control in the area, as well as its ability to directly military activity against IDF soldiers operating throughout the Gaza Strip."



Artificial Generation

This Person Does Not Exist

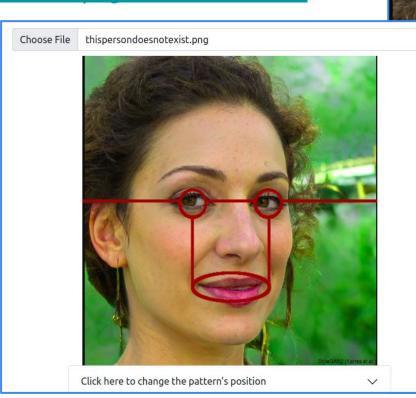
How to create a persona ... https://thispersondoesnotexist.com/ https://www.fakenamegenerator.com/ge



This Person Does Not Exist

How to create a persona ...

https://thispersondoesnotexist.com/ https://seintpl.github.io/AmlReal/



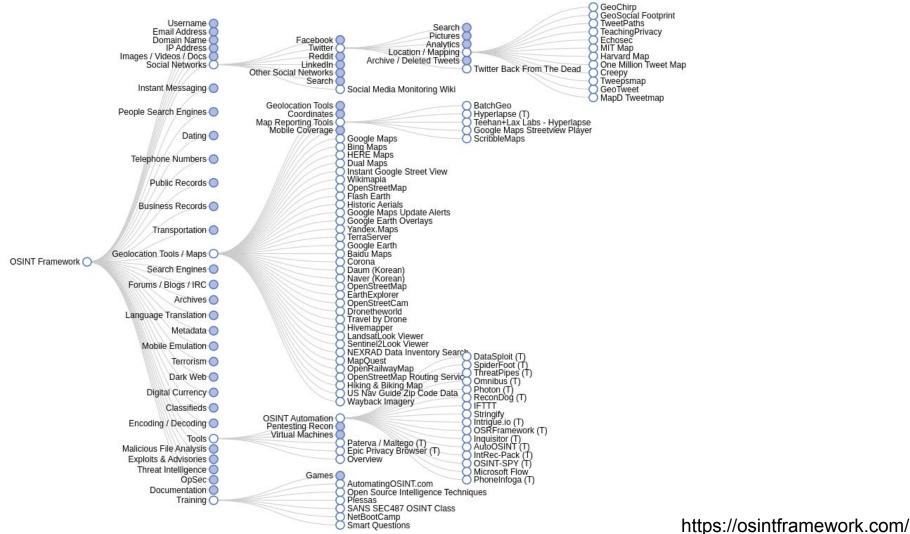


Next steps?

Appendix

References

- https://github.com/cipher387/Dorks-collections-list
- https://benjaminstrick.com/twitter-analysis-identifying-a-pro-bjp-influence-operation-india/
- https://gbhackers.com/latest-google-dorks-list/
- https://forensic-architecture.org/
- https://exposingtheinvisible.org/en/news/summer-series-investigation-2023/#w4
- https://www.bellingcat.com/news/americas/2018/10/26/joseph-mifsud-rush-exif/



6 :

OSINT Landscape v.1 February 2018

which may be of use in OSINT. Some tools may charge for data access, it is intended to be extensive, but

not exhaustive, and may be updated periodically.

Open Source Intelligence (/OSINV - Open Source Investigation)

<u>COVERTSHORES</u> bellingcat



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Tony Roper, 18/1903 MINUTS, planes and cult flow's contributor