ADVANCED COURSE ON VERIFICATION AND NEW NARRATIVES ON FACT CHECKING FOR NAMIBIAN JOURNALISTS

Windhoek, Namibia
7-9 June 2022

#PeriodismoÁfrica

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VERIFICATION TOOLS: ADVANCED SEARCHES ON TWITTER, GOOGLE AND FACEBOOK. HOW TO TAKE ADVANTAGE OF TELEGRAM, METADATA AND DIGITAL ARCHIVES

Andrés Jiménez MacKellar **@BrydenJimenez**

Topics

- Advanced searches in various platforms
- Metadata for verification
- The importance of archiving
- Verification tools and resources

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Advanced searches

How many of you use advanced searches frequently?

In what platforms?

Advanced searches

- Finding a particular content within the internet can be a very difficult task
- Advanced searches are not only effective, they are also time-saving
- Most of them let us filter by date, location, format, user etc.

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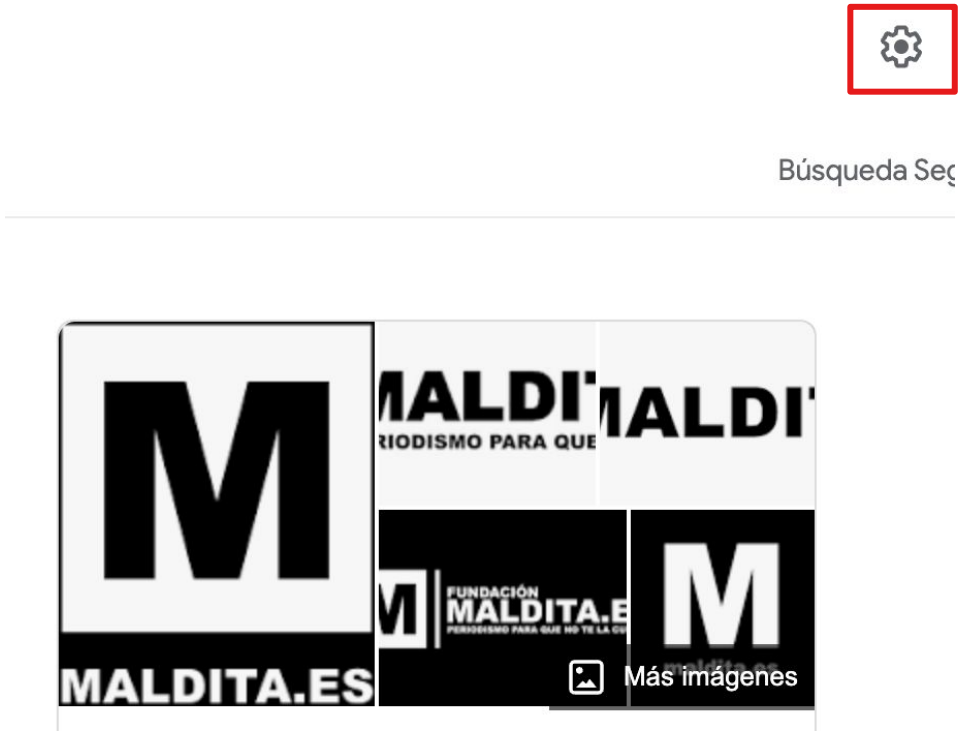
Advanced searches

Advanced searches

- To do an advanced search we first have to do a random search

- We then click on the wheel that can be seen on the top right margin, and select ‘advanced search’



Advanced searches

Find pages with...

all these words:

this exact word or phrase:

any of these words:

none of these words:

numbers ranging from: to

Advanced searches

Then narrow your results by...

language:	any language
region:	any region
last update:	anytime
site or domain:	
terms appearing:	anywhere in the page
SafeSearch:	Hide explicit results
file type:	any format
usage rights:	not filtered by licence

Advanced searches

- Advanced searches can also be done in Google with filtering operators.
- When you type in these operators in the search bar, the desired filters will be applied to the results.

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Most useful operators

site:

AND

filetype:

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""

This operator is called the **exact match** operator. Putting a search query within quotation marks will only return searches that match exactly what's put in between the quotation marks.

As you probably have noticed Google works a lot with synonyms and quite often understands very well what the user's search intent is, rather than trying to only look for exact matches of the keyword or search phrase. Unless you use the exact match operator.

–

The **negative** operator, this one is also great and works with most other operators. Simply put – followed by the search operator and it will exclude whatever operator you are using, from the search result.

For example, if you want to look for a Google Home Mini, but don't want to include searches from Google Store, simply search for Google Home

OR |

The **OR** operator can be used by either putting OR (with capital letters) or by using | to separate the keywords. The search result will contain either, or both, keywords.

()

The **parentheses** operator is used in a similar way as in mathematics. It's used to isolate operators for more advanced searches, using multiple operators at once.

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allintitle:

The **allintitle:** operator is very similar to the intitle: operator, but all keywords specified has to be present in the title.

inurl:

The **inurl:** operator lets you search for queries found in the URL of websites, including the domain name.

allinurl:

The **allinurl:** operator is very similar to the inurl: operator, but all keywords specified has to be present in the URL.

intext:

The **intext:** operator lets you search for keywords and key phrases found in the body of a website.

allintext:

The **allintext:** operator is very similar to the intext: operator, but all keywords specified has to be present in the body of a website.

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site:maldita.es Namibia

All Maps Images News Videos More Tools

About 20 results (0.35 seconds)

Images for site:maldita.es Namibia

site:maldita.es Namibia OR Sudáfrica

All Maps Images News Videos More Tools

About 297 results (0.42 seconds)

https://maldita.es › malditaciencia › v... · Translate this page

Qué sabemos sobre la nueva variante del SARS-CoV-2 ...

Nov 26, 2021 — Se ha identificado en **Sudáfrica** una nueva variante del coronavirus causante de la covid-19, con numerosas mutaciones presentes en otras ...

site:maldita.es Namibia AND Sudáfrica

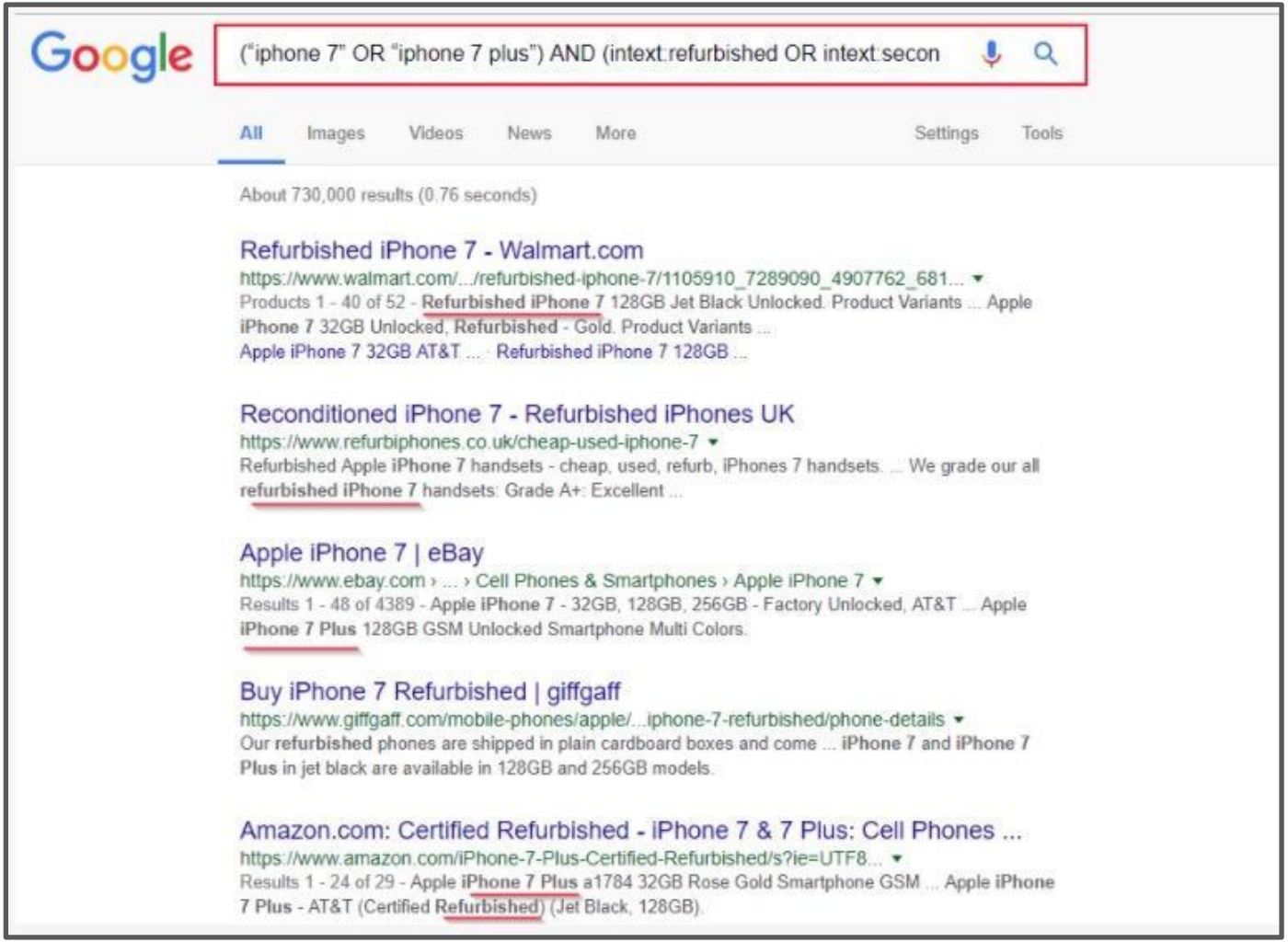
All Images Maps News Videos More Tools

4 results (0.34 seconds)

https://maldita.es › malditobulo › no-... · Translate this page

No, estas fotografías de tres leones negros no son reales

Oct 6, 2019 — La imagen original, a la que hace referencia el artista, fue tomada por el fotógrafo Keith Levit en **Namibia** el 14 de noviembre de 2003, ...


Google
("iphone 7" OR "iphone 7 plus") AND (intext:refurbished OR intext:secon
All
Images
Videos
News
More
Settings
Tools
About 730,000 results (0.76 seconds)
Refurbished iPhone 7 - Walmart.com
https://www.walmart.com/.../refurbished-iphone-7/1105910_7289090_4907762_681...
Products 1 - 40 of 52 - Refurbished iPhone 7 128GB Jet Black Unlocked. Product Variants ... Apple iPhone 7 32GB Unlocked, Refurbished - Gold. Product Variants ...
Apple iPhone 7 32GB AT&T ... · Refurbished iPhone 7 128GB ...
Reconditioned iPhone 7 - Refurbished iPhones UK
https://www.refurbiphones.co.uk/cheap-used-iphone-7
Refurbished Apple iPhone 7 handsets - cheap, used, refurb, iPhones 7 handsets. ... We grade our all refurbished iPhone 7 handsets: Grade A+: Excellent ...
Apple iPhone 7 | eBay
https://www.ebay.com › ... › Cell Phones & Smartphones › Apple iPhone 7
Results 1 - 48 of 4389 - Apple iPhone 7 - 32GB, 128GB, 256GB - Factory Unlocked, AT&T ... Apple iPhone 7 Plus 128GB GSM Unlocked Smartphone Multi Colors.
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Our refurbished phones are shipped in plain cardboard boxes and come ... iPhone 7 and iPhone 7 Plus in jet black are available in 128GB and 256GB models.
Amazon.com: Certified Refurbished - iPhone 7 & 7 Plus: Cell Phones ...
https://www.amazon.com/iPhone-7-Plus-Certified-Refurbished/s?ie=UTF8...
Results 1 - 24 of 29 - Apple iPhone 7 Plus a1784 32GB Rose Gold Smartphone GSM ... Apple iPhone 7 Plus - AT&T (Certified Refurbished) (Jet Black, 128GB).

Google

site:maldita.es COVID-19 filetype:pdf

All Images News Maps Videos More Tools

When you refine a search with a 'site:' operator, Google shows results from all the indexed pages from the we

2 results (0.21 seconds)

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CORONAVIRUS:

“Por favor, que nadie vaya a la tienda del Yaki, absolutamente ninguno. Evitad en la medida de lo posible ir a las tiendas de los chinos”, decía.

Oct 18, 2021

Google
-site:maldita.es Maldita.es
All
Images
News
Videos
Maps
More
Tools
About 33,100,000 results (0.38 seconds)
https://www.instagram.com › maldita · Translate this page
Maldita.es (@maldita.es) • Instagram photos and videos
Maldita.es. Periodismo para que no te la cuelen. Datos, verificación, tecnología e innovación. Hemeroteca, ciencia, tech y @malditobulo +34 644 229 319.
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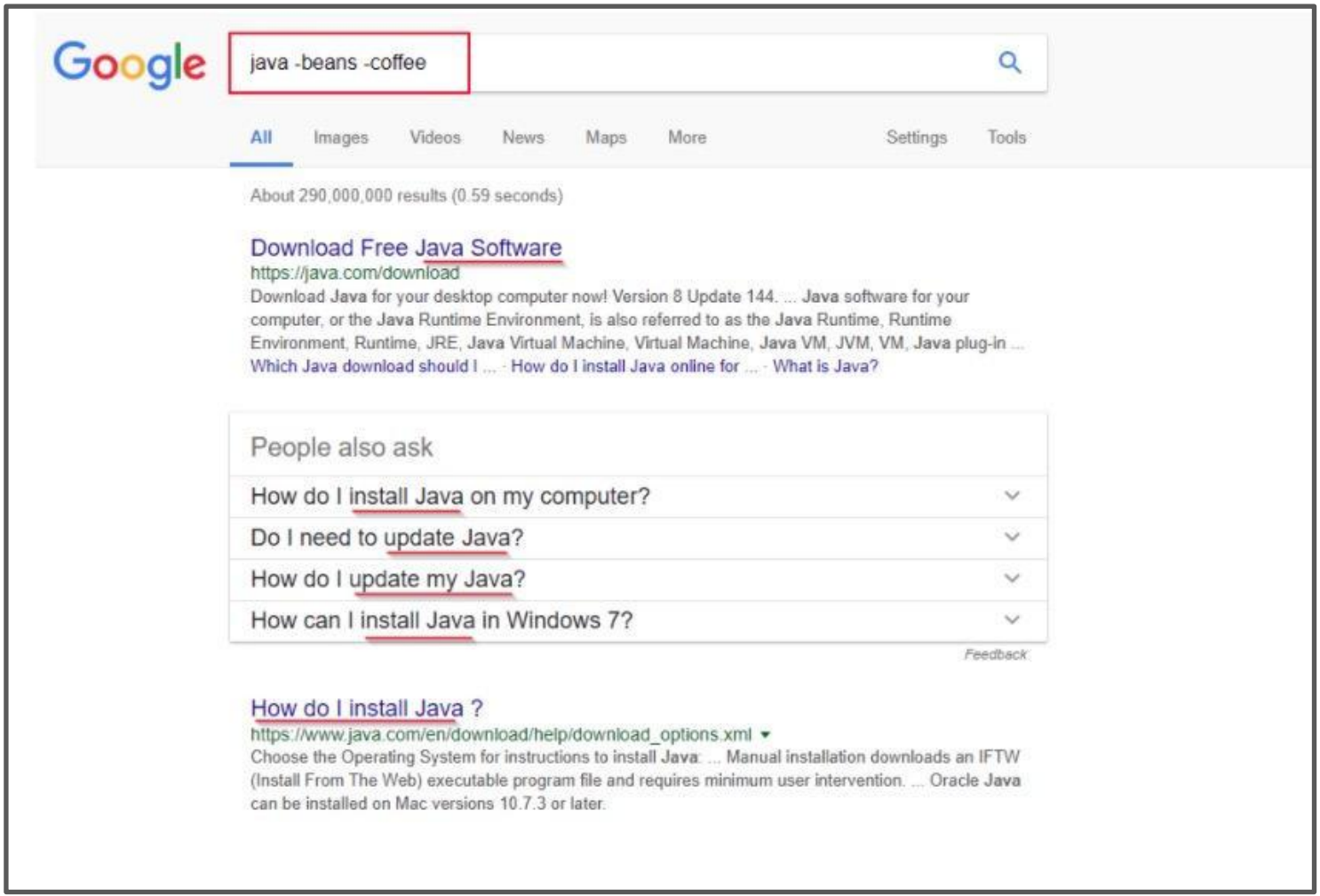
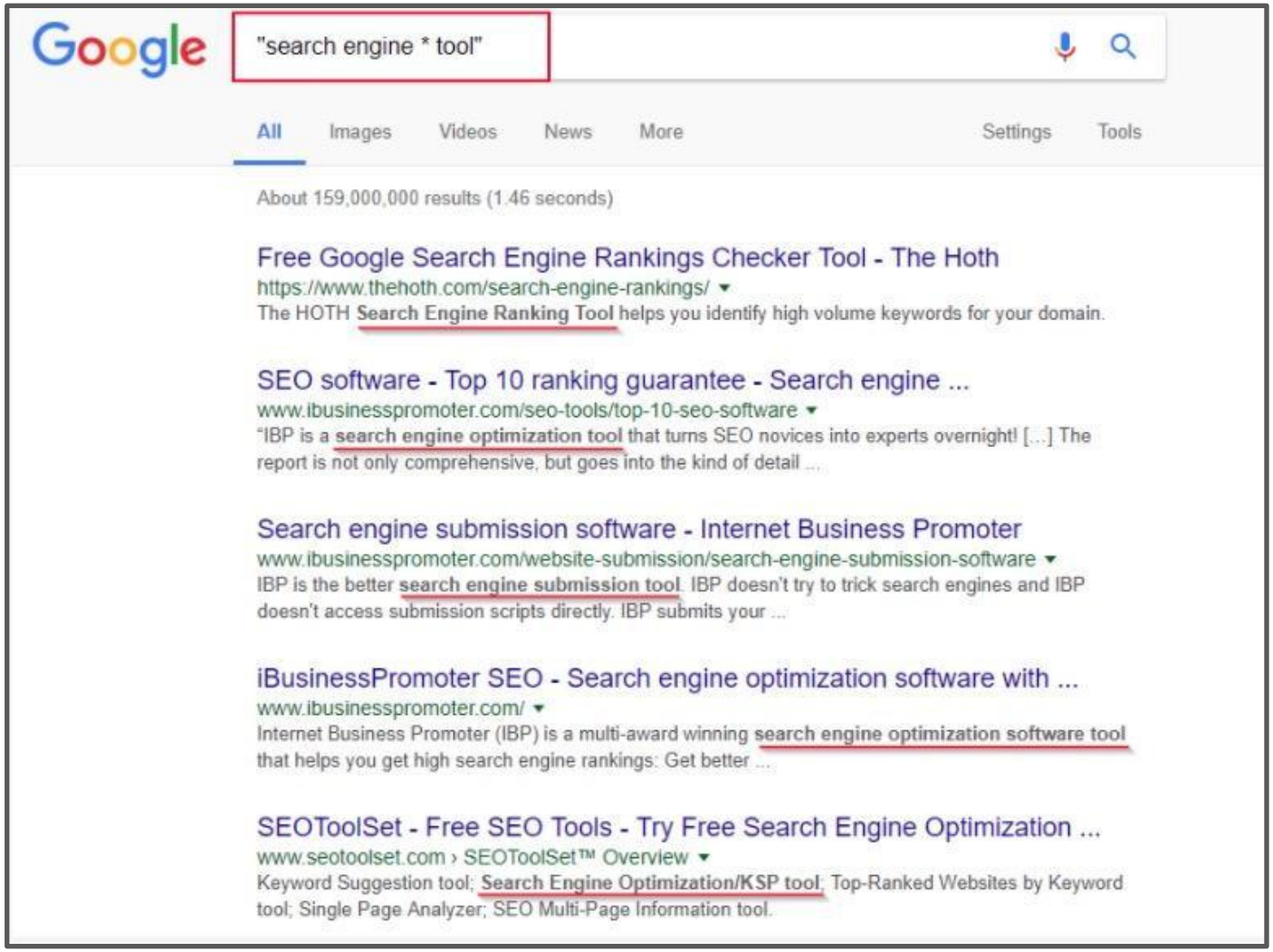
Maldita.es - El Diario
Maldita.es es un proyecto periodístico independiente y sin ánimo de lucro cuyo fin es dotar a los


Google
java -beans -coffee
All
Images
Videos
News
Maps
More
Settings
Tools
About 290,000,000 results (0.59 seconds)
Download Free Java Software
https://java.com/download
Download Java for your desktop computer now! Version 8 Update 144. ... Java software for your computer, or the Java Runtime Environment, is also referred to as the Java Runtime, Runtime Environment, Runtime, JRE, Java Virtual Machine, Virtual Machine, Java VM, JVM, VM, Java plug-in ...
Which Java download should I ... · How do I install Java online for ... · What is Java?
People also ask
How do I install Java on my computer?
Do I need to update Java?
How do I update my Java?
How can I install Java in Windows 7?
Feedback
How do I install Java ?
https://www.java.com/en/download/help/download_options.xml
Choose the Operating System for instructions to install Java. ... Manual installation downloads an IFTW (Install From The Web) executable program file and requires minimum user intervention. ... Oracle Java can be installed on Mac versions 10.7.3 or later.


Google
"search engine * tool"
All
Images
Videos
News
More
Settings
Tools
About 159,000,000 results (1.46 seconds)
Free Google Search Engine Rankings Checker Tool - The Hoth
https://www.thehoth.com/search-engine-rankings/
The HOTH Search Engine Ranking Tool helps you identify high volume keywords for your domain.
SEO software - Top 10 ranking guarantee - Search engine ...
www.ibusinesspromoter.com/seo-tools/top-10-seo-software
"IBP is a search engine optimization tool that turns SEO novices into experts overnight! [...] The report is not only comprehensive, but goes into the kind of detail ...
Search engine submission software - Internet Business Promoter
www.ibusinesspromoter.com/website-submission/search-engine-submission-software
IBP is the better search engine submission tool. IBP doesn't try to trick search engines and IBP doesn't access submission scripts directly. IBP submits your ...
iBusinessPromoter SEO - Search engine optimization software with ...
www.ibusinesspromoter.com/
Internet Business Promoter (IBP) is a multi-award winning search engine optimization software tool that helps you get high search engine rankings: Get better ...
SEOToolSet - Free SEO Tools - Try Free Search Engine Optimization ...
www.seotoolset.com › SEOToolSet™ Overview
Keyword Suggestion tool; Search Engine Optimization/KSP tool; Top-Ranked Websites by Keyword tool; Single Page Analyzer; SEO Multi-Page Information tool.

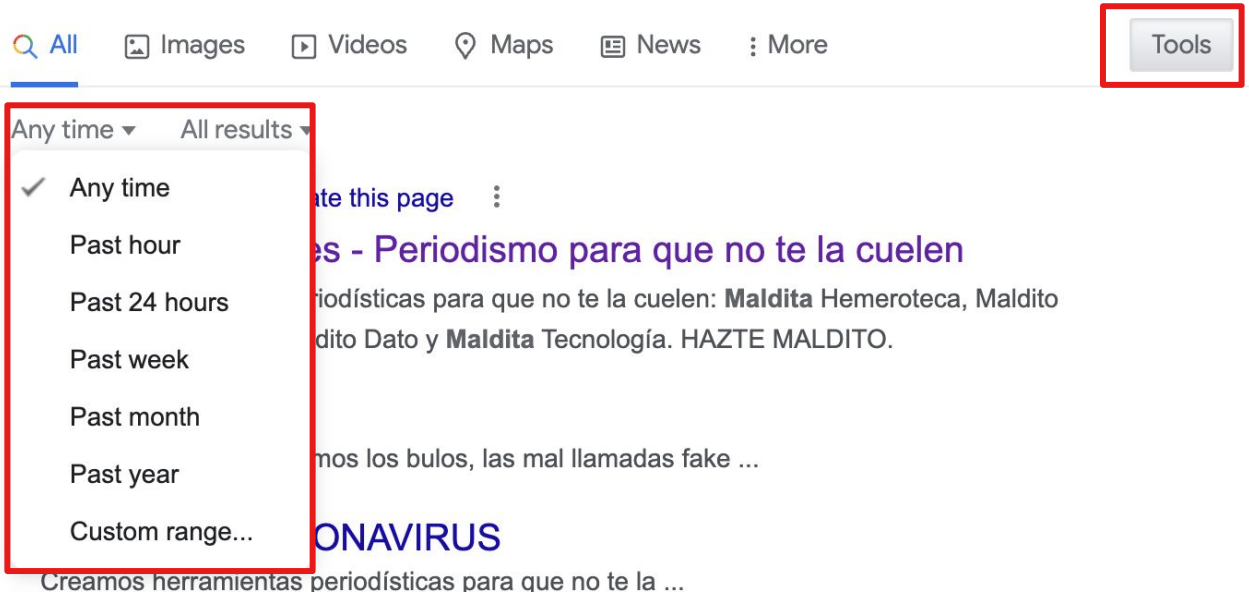
FULL LIST OF OPERATORS

I. Basic search operators

" "	**"nikola tesla"** Put any phrase in quotes to force Google to use exact-match. On single words, prevents synonyms.
OR	**tesla OR edison** Google search defaults to logical AND between terms. Specify "OR" for a logical OR (ALL-CAPS).
|	**tesla | edison** The pipe (|) operator is identical to "OR". Useful if your Caps-lock is broken :)
( )	**(tesla OR edison) alternating current** Use parentheses to group operators and control the order in which they execute.
-	**tesla -motors** Put minus (-) in front of any term (including operators) to exclude that term from the results.
*	**tesla "rock * roll"** An asterisk (*) acts as a wild-card and will match on any word.

https://bit.ly/3aiVmLb

Advanced searches



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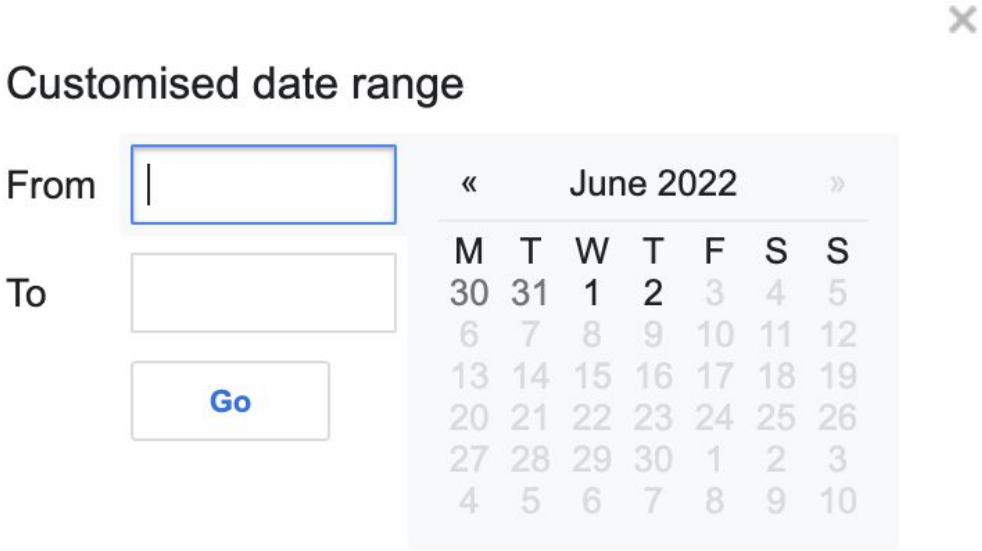
Advanced searches



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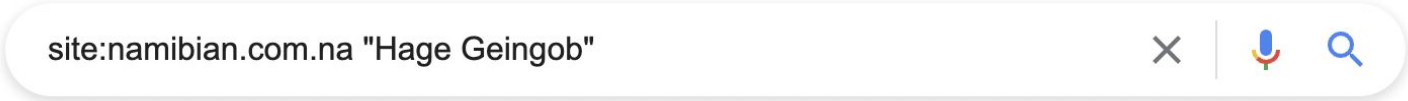

https://www.namibian.com.na › September › local › has

Govt has not neglected Caprivi, says the PM - The Namibian

Sep 17, 1999 — THE Caprivi has received more than its fair share of development funding from Government, Prime Minister **Hage Geingob** told hundreds of Katima Mulilo ...

https://www.namibian.com.na › April › local › kalomoh

tangeni amupadhi - The Namibian

Apr 1, 1999 — PSUN further defended themselves against a categorisation by Prime Minister **Hage Geingob** that Namibian trade unions either support the ruling party or the ...

https://www.namibian.com.na › May › local › nujoma2

In The President's Shoes MVULA ya NANGOLO - The Namibian

May 12, 1999 — In Francistown I easily located Kerina and within an hour or two, I also met Maxton Mutongolume and **Hage Geingob**. Geingob, a former classmate at Augustineum ...

Advanced searches

- Google searches are sometimes biased due to our ‘cookies’ and our search history
- Besides advanced searches, there are several useful resources to avoid such bias
- Private mode and VPNs are good options

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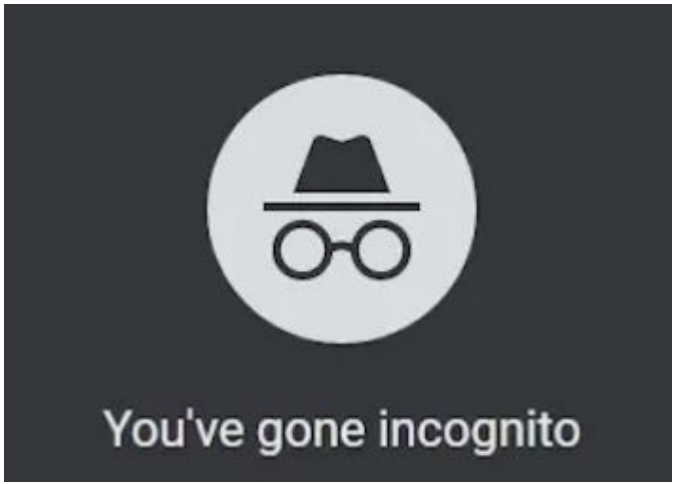
Incognito mode

- The results we get when using incognito mode will likely be different than the ones we get using the normal browser



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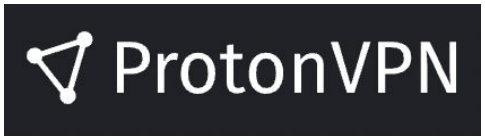
Incognito mode

Tip

- To avoid copying and pasting links into a private search, try downloading the ‘Incognito this tab’ Chrome extension
- The page we are looking at will open up in private mode with just one click

VPN

- You can connect to an IP address from a different country
- Useful for searches and to protect our privacy during investigations
- Some VPN services are free, but there could be privacy and data-gathering concerns
- It's advisable to subscribe to a well-known and reliable VPN



Advanced Twitter searches

- Advanced searches on Twitter can help us find out if a tweet is real or not
- We can filter by date, user and terms, among other metrics
- Once again, it’s very time-saving for general queries

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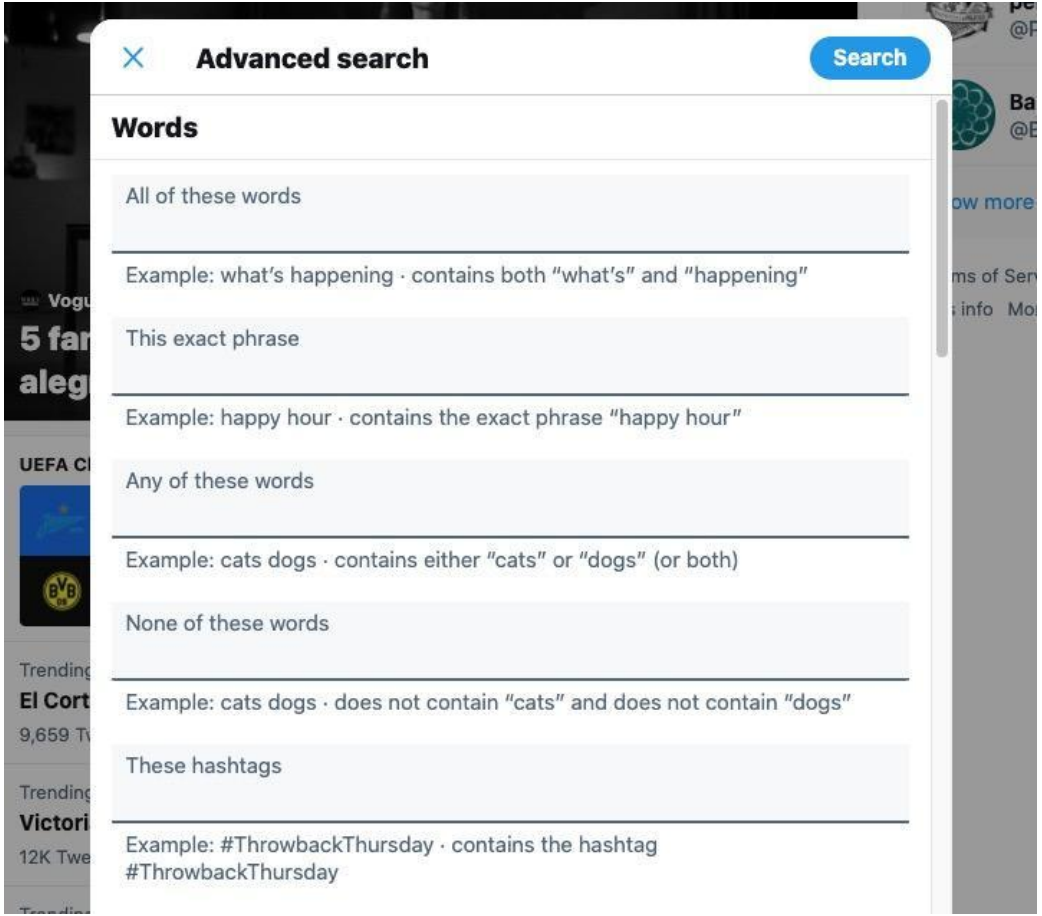
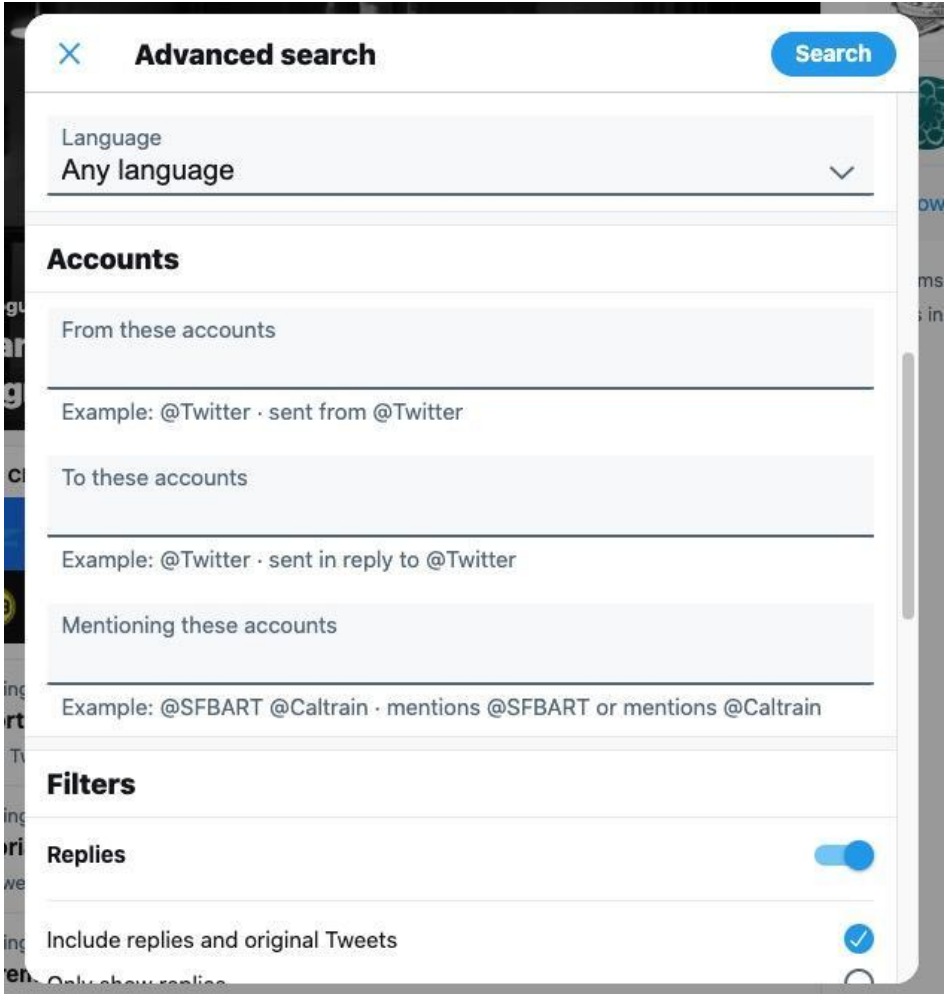
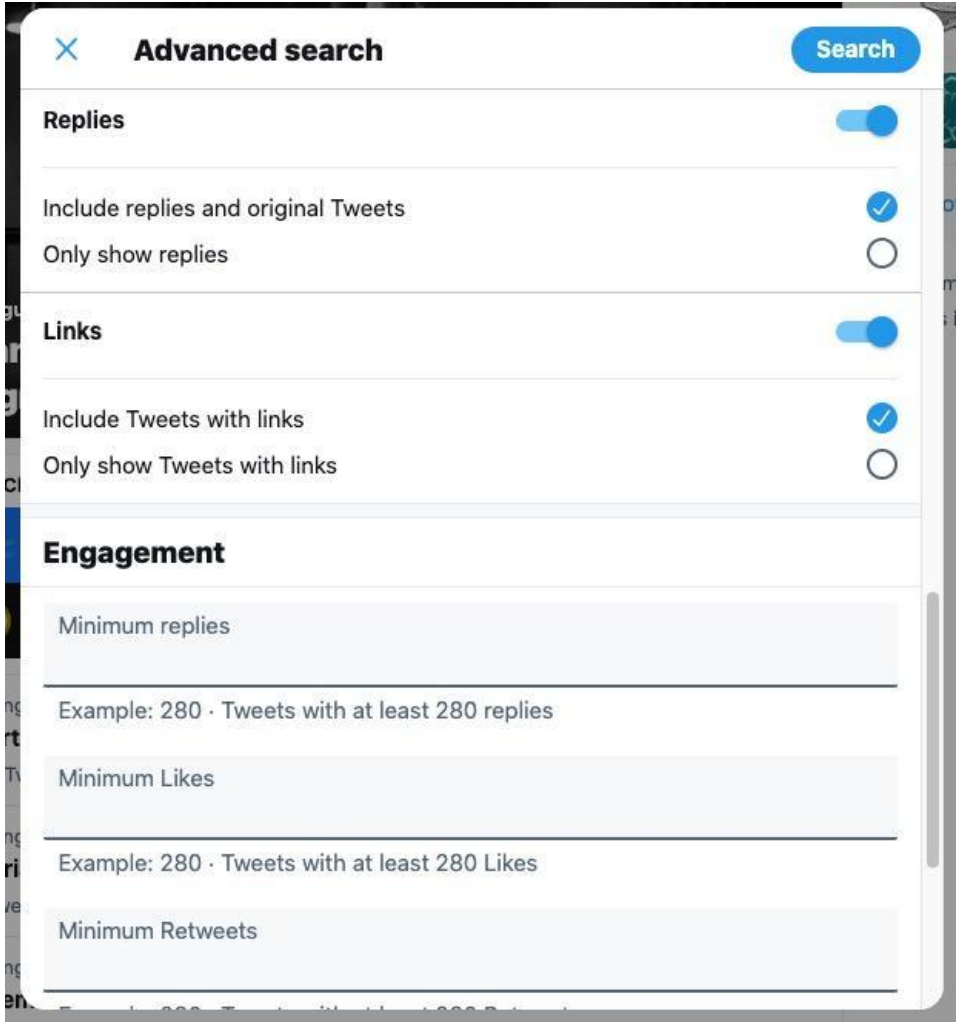
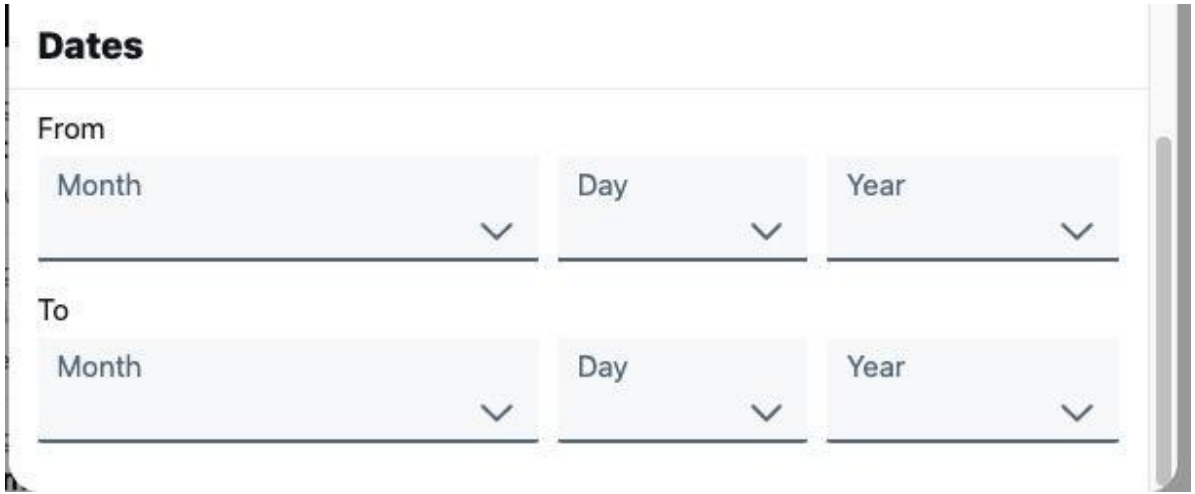
https://twitter.com/search-advanced?lang=en




Advanced search
Search
Language
Any language
Accounts
From these accounts
Example: @Twitter · sent from @Twitter
To these accounts
Example: @Twitter · sent in reply to @Twitter
Mentioning these accounts
Example: @SFBART @Caltrain · mentions @SFBART or mentions @Caltrain
Filters
Replies
Include replies and original Tweets


Advanced search
Search
Replies
Include replies and original Tweets
Only show replies
Links
Include Tweets with links
Only show Tweets with links
Engagement
Minimum replies
Example: 280 · Tweets with at least 280 replies
Minimum Likes
Example: 280 · Tweets with at least 280 Likes
Minimum Retweets


Dates
From
Month
Day
Year
To
Month
Day
Year

How do we search on Twitter

To see the tweets that a user has published on a specific topic, we use the following formula in the Twitter search engine:

from:@user keyword

Once that is written, we can limit the time by adding this formula:

since:yyyy-mm-dd until:yyyy-mm-dd

Has The Namibian published this tweet?

The Namibian
@TheNamibian

Friday the 13th for Spain. The Netherlands obliterated defending champions 5-1 in a reverse of #WC2010. #WorldCup2014

Traducir Tweet

10:51 p. m. · 13 jun. 2014 · Twitter Web Client

- from:@user keyword
- since:yyyy-mm-dd until:yyyy-mm-dd

from:@thenamibian Spain since:2014-06-12 until:2014-(

Destacado | Más reciente | Personas | Fotos | Videos

The Namibian @TheNamibian · 13 jun. 2014

Friday the 13th for **Spain**. The Netherlands obliterated defending champions 5-1 in a reverse of #WC2010. #WorldCup2014

1 16 6

The Namibian
@TheNamibian

Spain missed a unique opportunity to defeat the Netherlands in what was a night to forget for the Mediterranean team. They failed to advance to the next World Cup round and players are expected to go back to their clubs before the new season starts in a few weeks. The Dutch squad, however, put in a memorable performance and will face Costa Rica in the Quarter-finals.#WC2010. #WorldCup2014

Traducir Tweet

10:51 p. m. · 13 jun. 2014 · Twitter Web Client

Has The Namibian published this tweet?

- from:@user keyword
- since:yyyy-mm-dd until:yyyy-mm-dd

Twitter searches

Does the fact that the tweet doesn’t appear mean it has never existed?

Twitter searches

The Namibian
@TheNamibian

Spain missed a unique opportunity to defeat the Netherlands in what was a night to forget for the Mediterranean team. They failed to advance to the next World Cup round and players are expected to go back to their clubs before the new season starts in a few weeks. The Dutch squad, however, put in a memorable performance and will face Costa Rica in the Quarter-finals.#WC2010. #WorldCup2014

Traducir Tweet

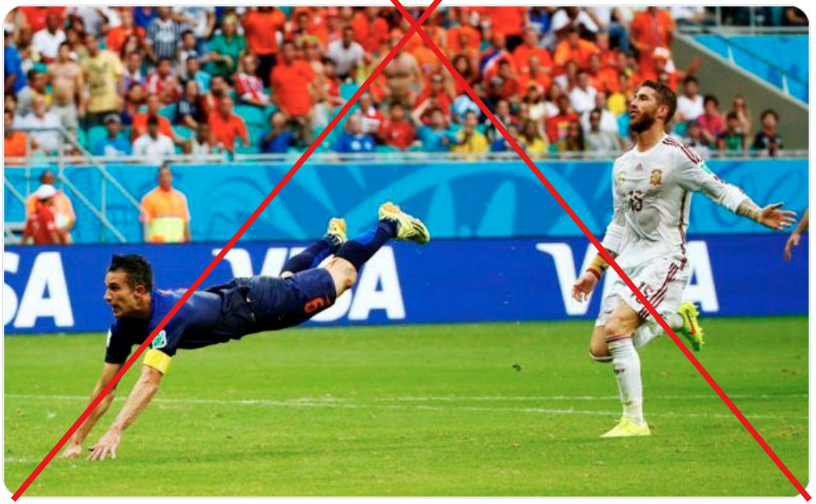
10:51 p. m. · 13 jun. 2014 · Twitter Web Client

- The tweet could have been deleted, we need more conclusive evidence…

The Namibian
@TheNamibian

Spain missed a unique opportunity to defeat the Netherlands in what was a night to forget for the Mediterranean team. They failed to advance to the next World Cup round and players are expected to go back to their clubs before the new season starts in a few weeks. The Dutch squad, however, put in a memorable performance and will face Costa Rica in the Quarter-finals.#WC2010. #WorldCup2014

Traducir Tweet



10:51 p. m. · 13 jun. 2014 · Twitter Web Client

Twitter searches

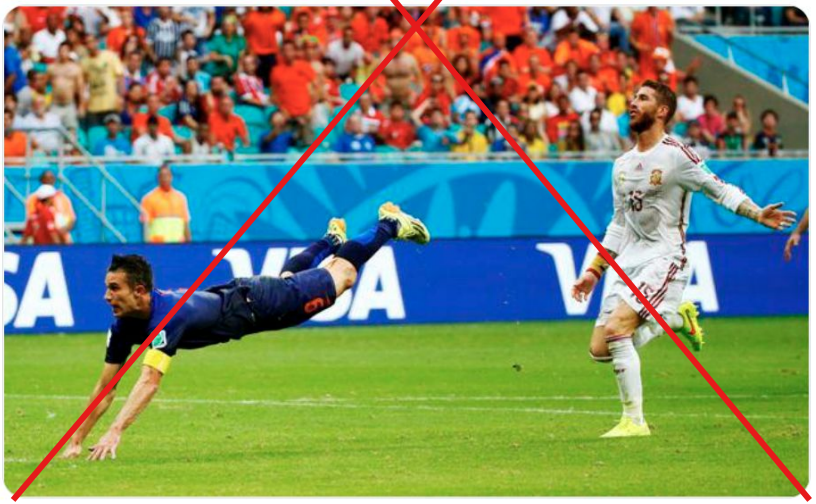
- **How do we know that this tweet is fake?**

  (Use your observation)

The Namibian
@TheNamibian

Spain missed a unique opportunity to defeat the Netherlands in what was a night to forget for the Mediterranean team. They failed to advance to the next World Cup round and players are expected to go back to their clubs before the new season starts in a few weeks. The Dutch squad, however, put in a memorable performance and will face Costa Rica in the Quarter-finals.#WC2010. #WorldCup2014

Traducir Tweet



10:51 p. m. · 13 jun. 2014 · Twitter Web Client

Twitter searches

- The tweet excedes Twitter's character limit
- The limit is currently 280 characters
- Prior to November 2017, the limit was 140

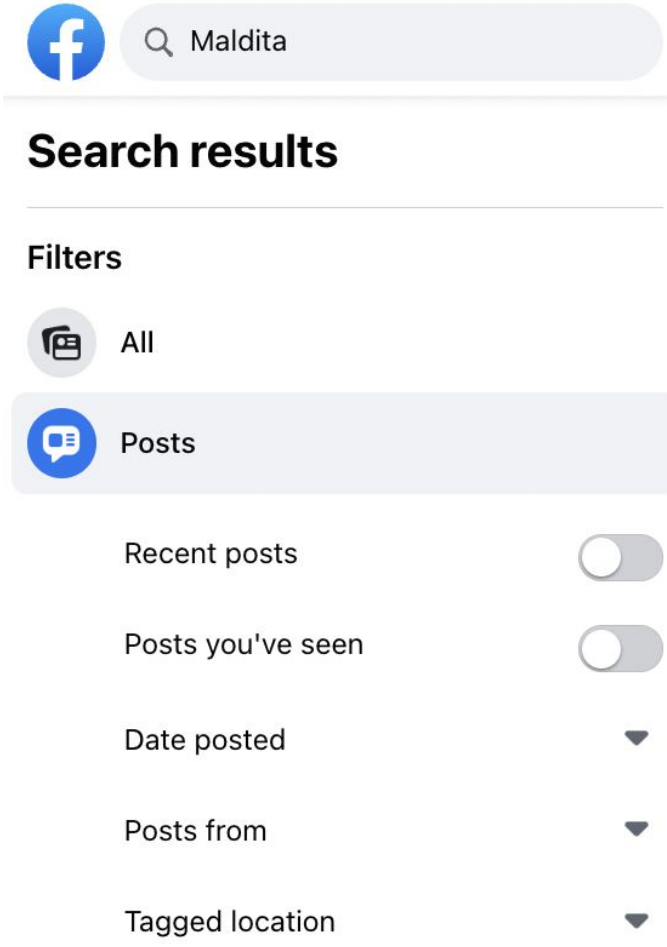
Other tips to verify tweets

- Don’t trust alleged tweets that don’t include RT, FAV or date stamp

- Same with tweets that have only been screenshot once

Facebook searches

Has somebody tried to find an old Facebook post? Was it challenging?



Facebook searches

- Not many options are given

Who posted what?

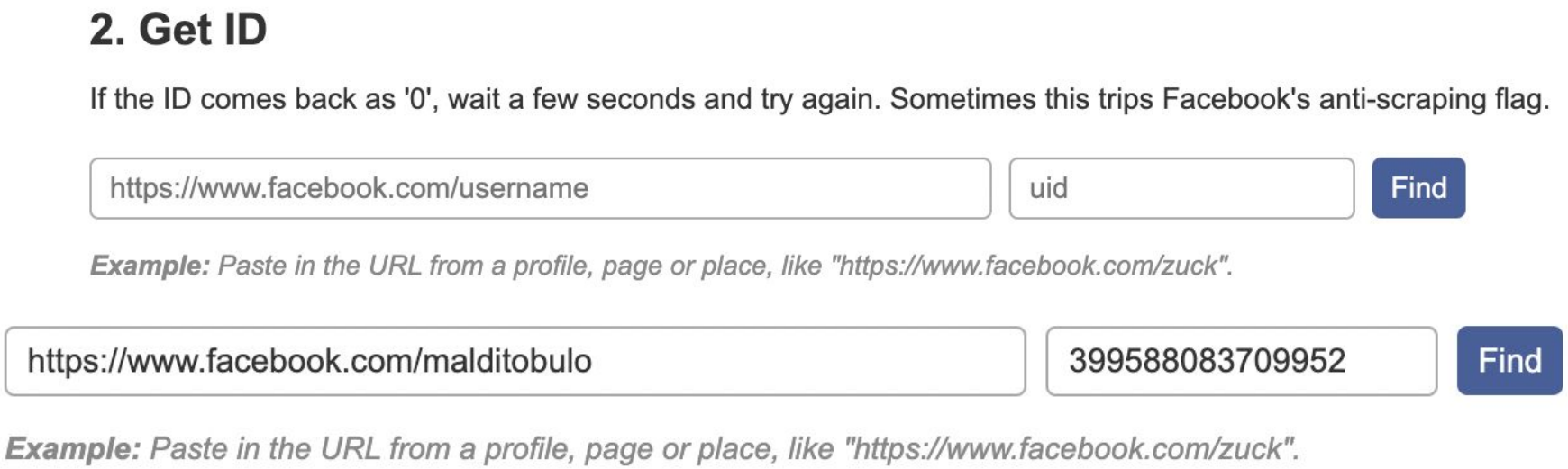
Facebook searches

- Before discovering this tool a few years ago, we would conduct the searches manually
- Most of the time we wouldn’t even find the old post or it had been deleted
- Who posted what? automates the search and saves us all that time

Who posted what?

Facebook searches

- The first thing we can do is obtain the ID of the profile we are investigating. It’s a unique code that identifies each account



Who posted what?

Facebook searches

- We can also search for specific terms and limit the date of publication
- Facebook searches can filter content by year, but this tool lets us filter by month and even by day.

Who posted what?

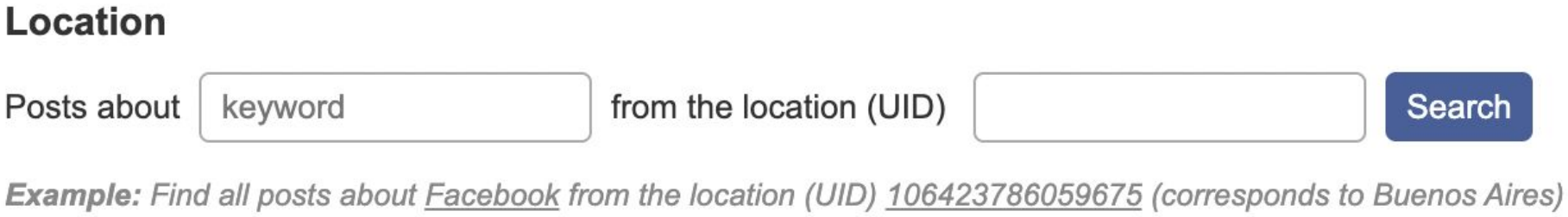
Facebook searches

- We can search for posts about a specific topic, and filter the search by date

Who posted what?

Facebook searches

- We can also look for keywords and filter by location
- Útil para sucesos de última hora, además de para verificación Useful for breaking news as well as for fact-checking

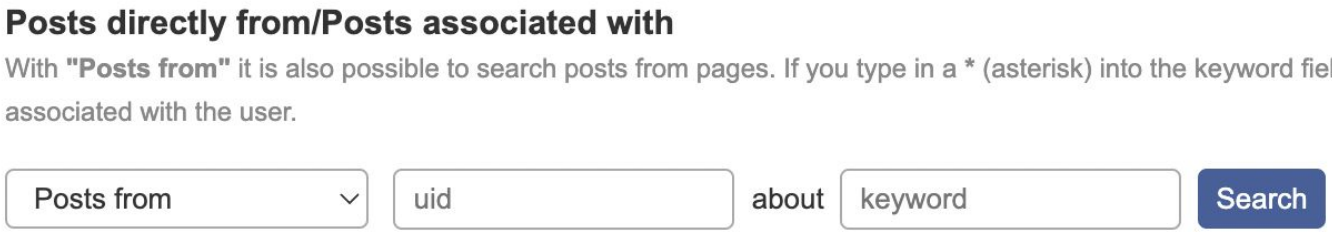


Who posted what?

Facebook searches

- The most useful resource is being able to search for posts from a particular user along with keywords

- We have to type in the user's ID and the word we are interested in



Who posted what?

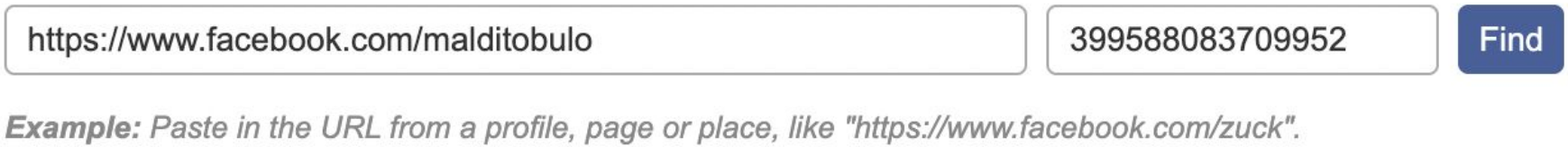
Facebook searches

PRACTICAL CASE
What has Maldito Bulo posted about Real Madrid?

Who posted what?

Facebook searches

- The first thing we have to do is get Maldito Bulo's ID



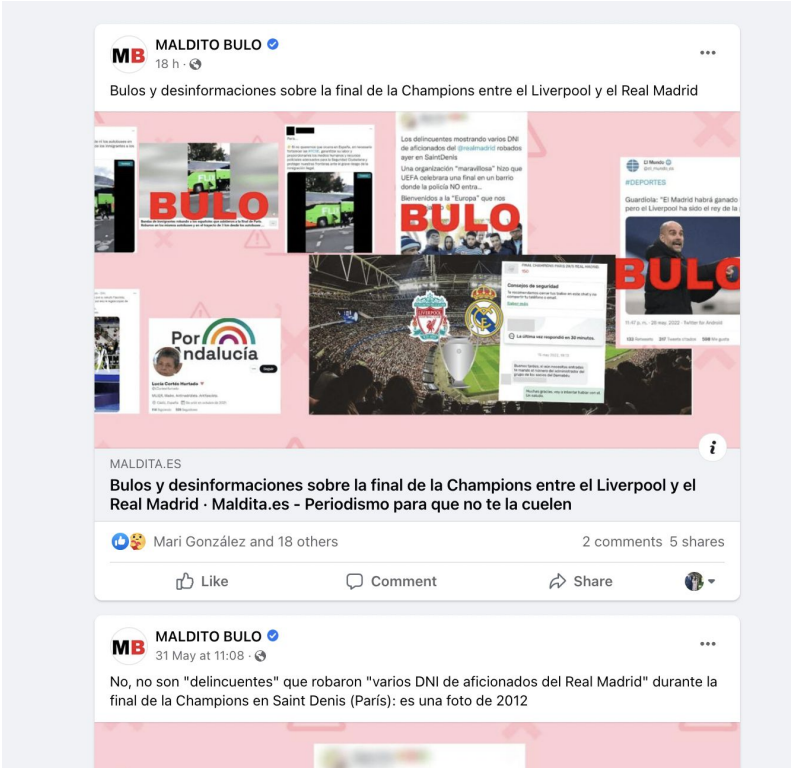
Who posted what?

Facebook searches

- Once we've got the ID, we have to combine the search with the keyword. In this case, 'Real Madrid'

Who posted what?

Facebook searches



Google cache

Google Cache

- Temporary archive of websites cached by Google
- Many websites correct or modify their articles without explicitly recognizing that they made a mistake
- This resource is useful to check if previous versions of the article have been cached

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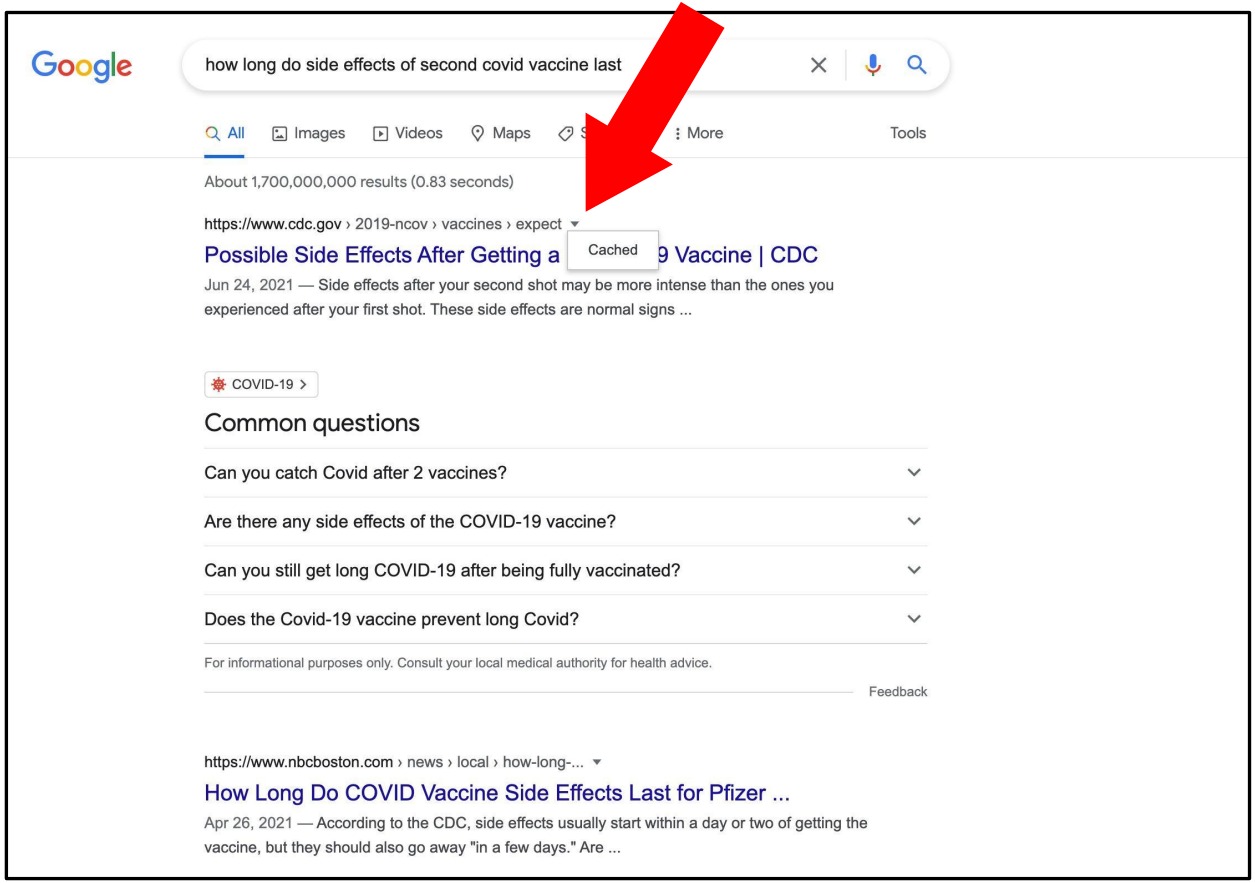
Cache


Google
how long do side effects of second covid vaccine last
All
Images
Videos
Maps
More
Tools
About 1,700,000,000 results (0.83 seconds)
https://www.cdc.gov › 2019-ncov › vaccines › expect
Cached
Possible Side Effects After Getting a 9 Vaccine | CDC
Jun 24, 2021 — Side effects after your second shot may be more intense than the ones you experienced after your first shot. These side effects are normal signs ...
COVID-19 >
Common questions
Can you catch Covid after 2 vaccines?
Are there any side effects of the COVID-19 vaccine?
Can you still get long COVID-19 after being fully vaccinated?
Does the Covid-19 vaccine prevent long Covid?
For informational purposes only. Consult your local medical authority for health advice.
Feedback
https://www.nbcboston.com › news › local › how-long-...
How Long Do COVID Vaccine Side Effects Last for Pfizer ...
Apr 26, 2021 — According to the CDC, side effects usually start within a day or two of getting the vaccine, but they should also go away "in a few days." Are ...

About 1,700,000,000 results (0.83 seconds)

https://www.cdc.gov › 2019-ncov › vaccines › expect

Cached

Possible Side Effects After Getting a 9 Vaccine | CDC

Jun 24, 2021 — Side effects after your second shot may be more intense than the ones you experienced after your first shot. These side effects are normal signs ...

Google Cache

- CONTEXT: Pablo Iglesias is the former Vice President of Spain and is married to Equality Minister, Irene Montero

- As a prominent politician, he has been the victim of many hoaxes

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Google Cache

- ABC is one of the oldest and most read newspapers in Spain

ABC

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Google Cache

- How can we find out if ‘ABC’ has published this tweet?
- Any visual clue that is suspicious?

“Pablo Iglesias, fighting for the custody of his children. He will take his former partner Irene Montero to court”

Google Cache

- Does this seem like the real ABC Twitter username?

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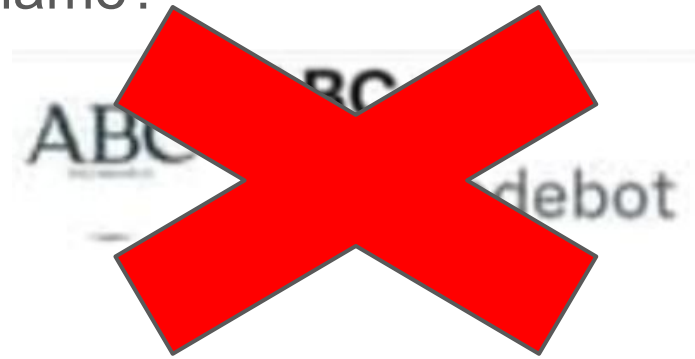
Google Cache

- Does this seem like the real ABC Twitter username?



- The real one is → ABC.es
@abc_es

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Google Cache

- Who is @negrodebot?

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Google Cache

- Before being suspended, we saw that the user had published that tweet, but there was no sign of the ABC branding

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ABC.es
@negrodebot

Pablo Iglesias, en lucha por la custodia de sus hijos. Llevará a juicio a su ex pareja Irene Montero.

11:03 · 08 dic. 21 · Twitter for Android

96 Retweets **82** Tweets citados

Google Cache

National Bot
@negrodebot

Pablo Iglesias, en lucha por la custodia de sus hijos. Llevará a juicio a su ex pareja Irene Montero.

11:03 a. m. · 8 dic. 2021 · Twitter for Android

Google Cache

- How can we see if this user pretended to be ABC newspaper?
- Maybe cache?

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Google Cache

- Although the user had already changed his name and profile picture, the cached version of the tweet proved that he had pretended to be ABC

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Google Cache

No, ABC has not tweeted that Pablo Iglesias "is fighting for the custody of his children" and that he will "take Irene Montero to trial"

Published 9/12/2021 17:06

share

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Wayback Machine

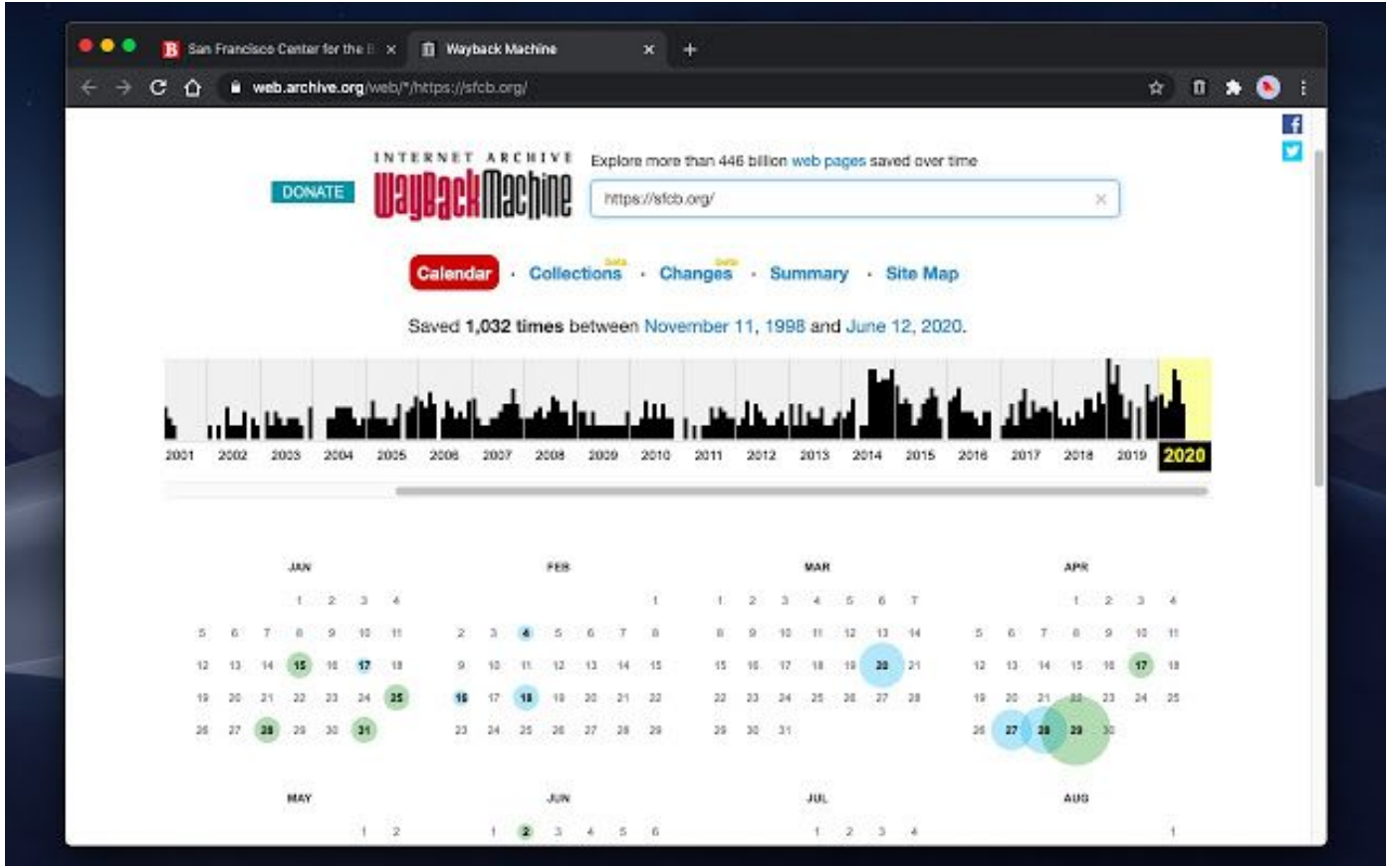
Archiving

- When fact-checking, it’s essential to archive every website/content you are investigating
- Links often break after some time, so by linking to archived versions of them you will be able to keep seeing the content
- Likewise, it’s common for disinformers to delete their hoax after it has gone viral
- More importantly, it can be used as evidence if you face any legal prosecution for one of your investigations
- You can also look for versions that have been archived by other users

INTERNET ARCHIVE
WayBackMachine

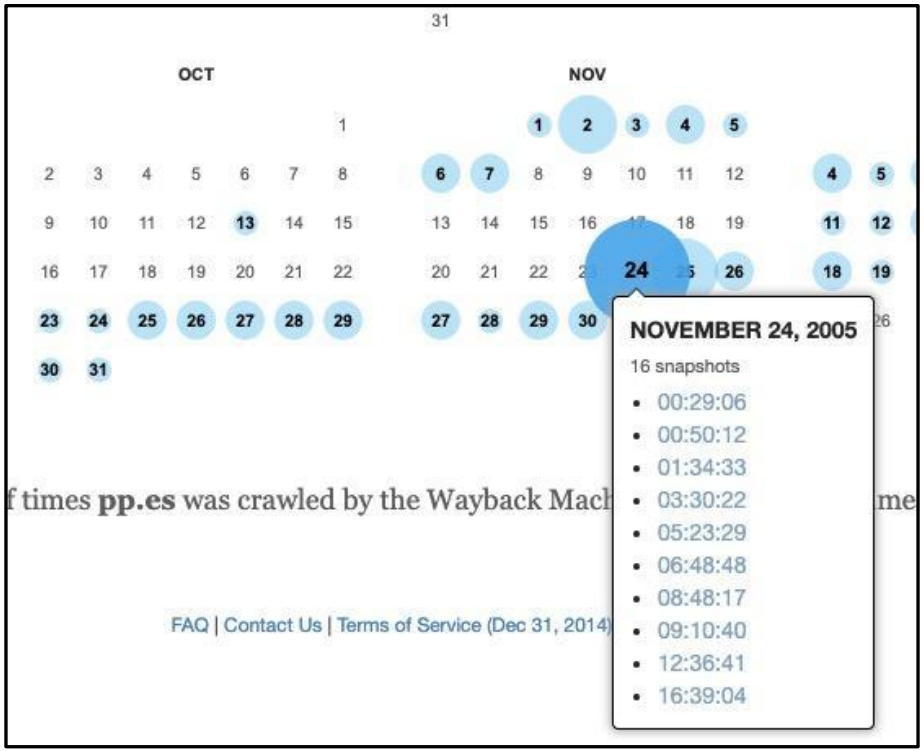
MALDITA.ES

INTERNET ARCHIVE
WayBackMachine



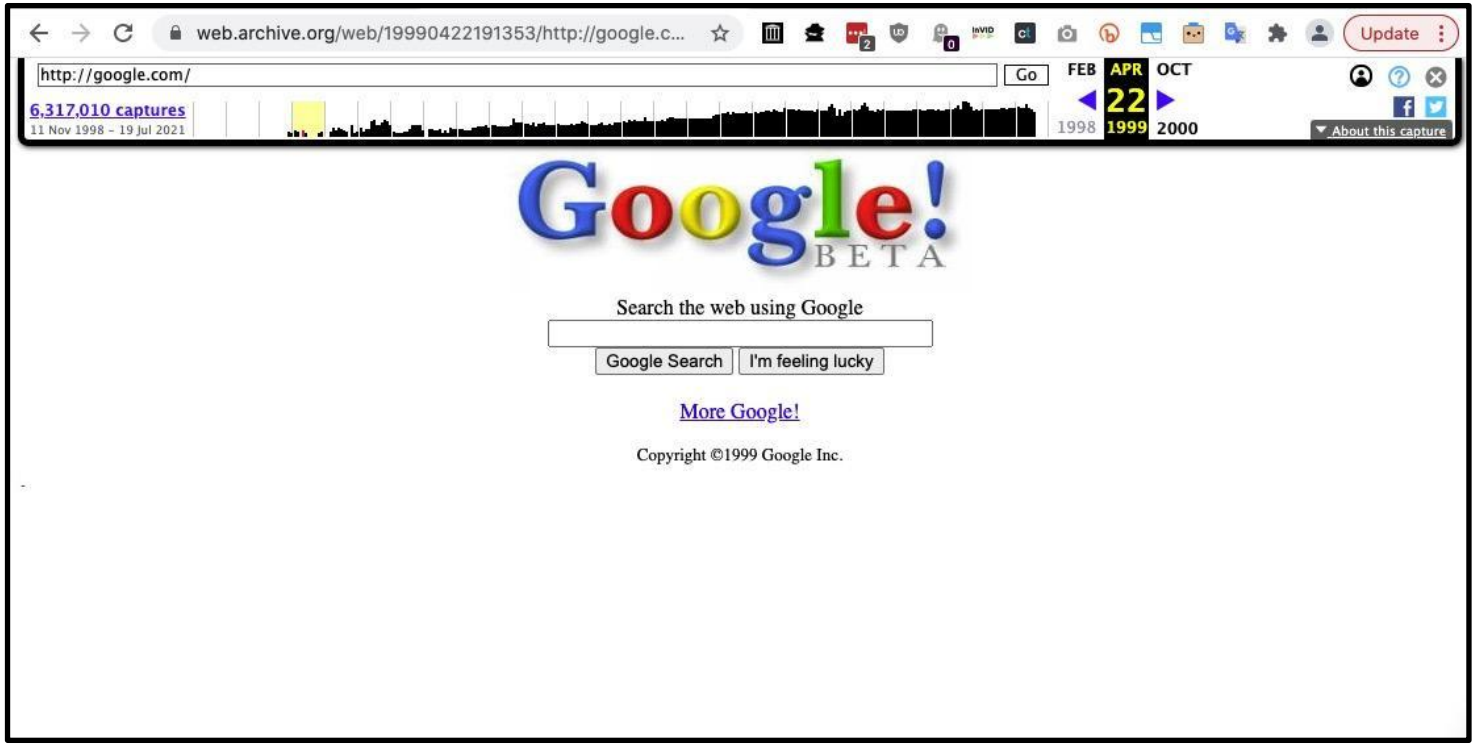
https://archive.org/web/

INTERNET ARCHIVE
WayBackMachine



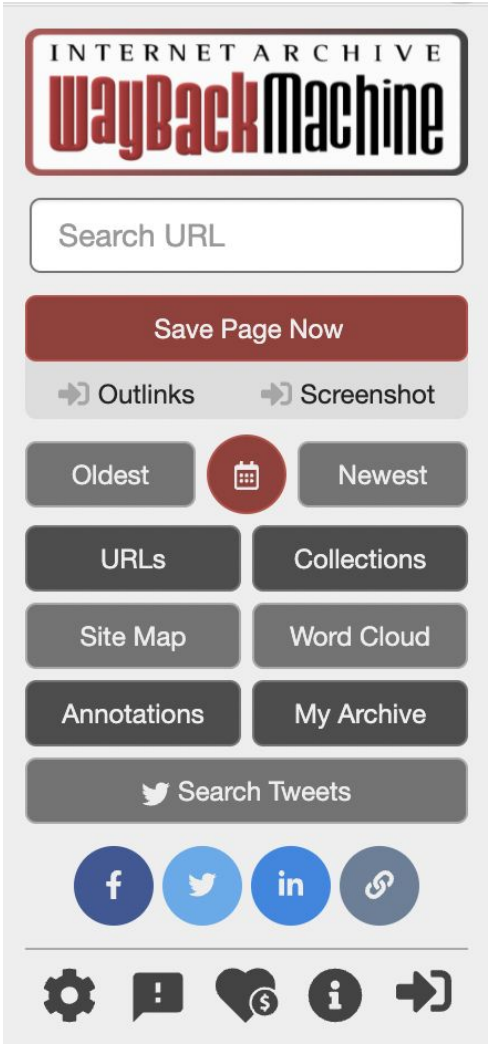
https://archive.org/web/

INTERNET ARCHIVE
WayBackMachine



https://archive.org/web/

Archiving



INTERNET ARCHIVE
WayBackMachine

chrome web store

Inicio > Extensiones > Wayback Machine

Wayback Machine

Ofrecido por: Internet Archive

Archiving

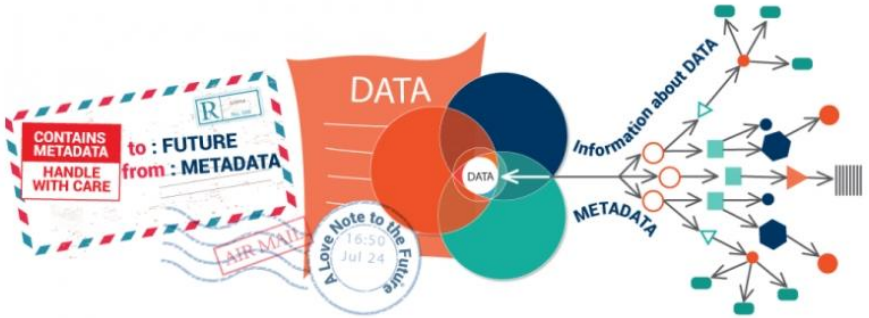
- Free archiving tools have their flaws (Facebook issues), so it's good to have a backup
- Archive.li is a great alternative to WayBack Machine

Metadata

How it can be your fact-checking ally (with caution)

Metadata

- Metadata lists all the essential information we need about a file
- It can let us know where and when a picture was taken or who created a PDF, for example
- However, metadata can be erased or manipulated
- Useful when combined with other verification techniques



What kind of files have metadata

Open Office
.odt .ods .odg .odp .sxw .odf .ott .oth .odm .otg .otp .ots

Microsoft
.docx .doc .pptx .ppt .ppsx .pps .xlsx .xls .xlsm .xltx .xlsb .tmp .xar .asd .wbk .xlk .xlt .wpd

iWorks[1]
.pages .key .numbers

Image
.jpg .jpeg .raw .png .tiff .tif .svg .svgz .cr2 .crw

Audio/Video
.mp3 .avi .mp4

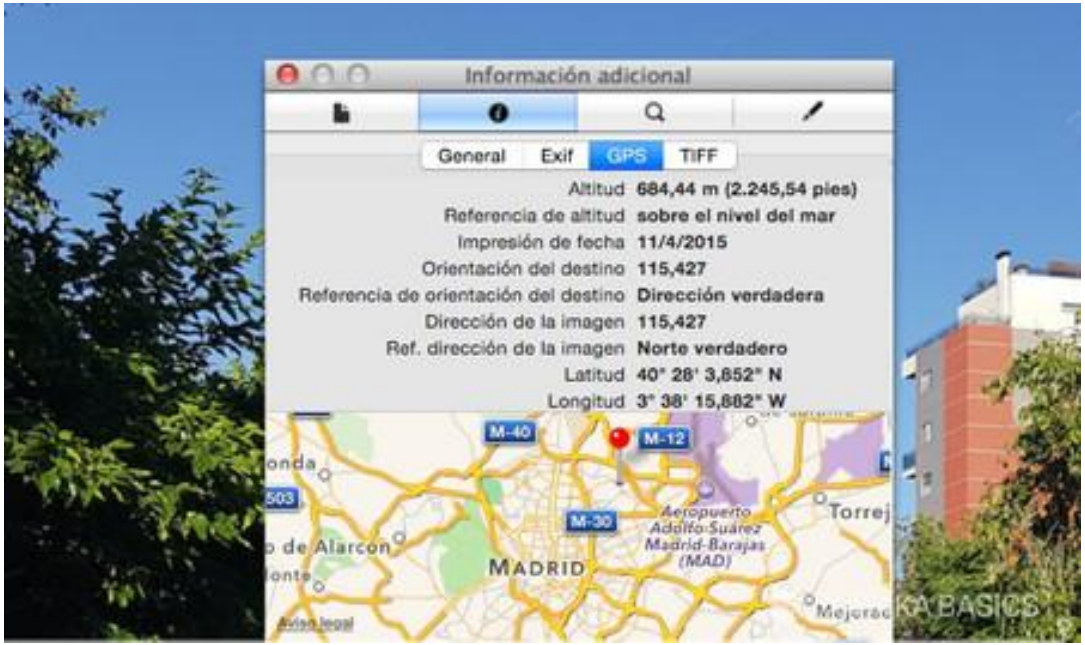
Compressed[2]
.zip .tar

Others
.pdf .rtf .wnry .wry .indd .rdp .ica

Metadata of a JPG file

```
kMDItemISOSpeed                 = 32
kMDItemKind                     = "JPEG image"
kMDItemLastUsedDate             = 2015-08-21 22:28:12 +0000
kMDItemLatitude                 = 50.60912
kMDItemLogicalSize              = 6520845
kMDItemLongitude                = -1.248303333333333
kMDItemOrientation              = 0
kMDItemPhysicalSize             = 6524928
kMDItemPixelCount               = 7990272
kMDItemPixelHeight              = 2448
kMDItemPixelWidth               = 3264
```

Metadata of a JPG file

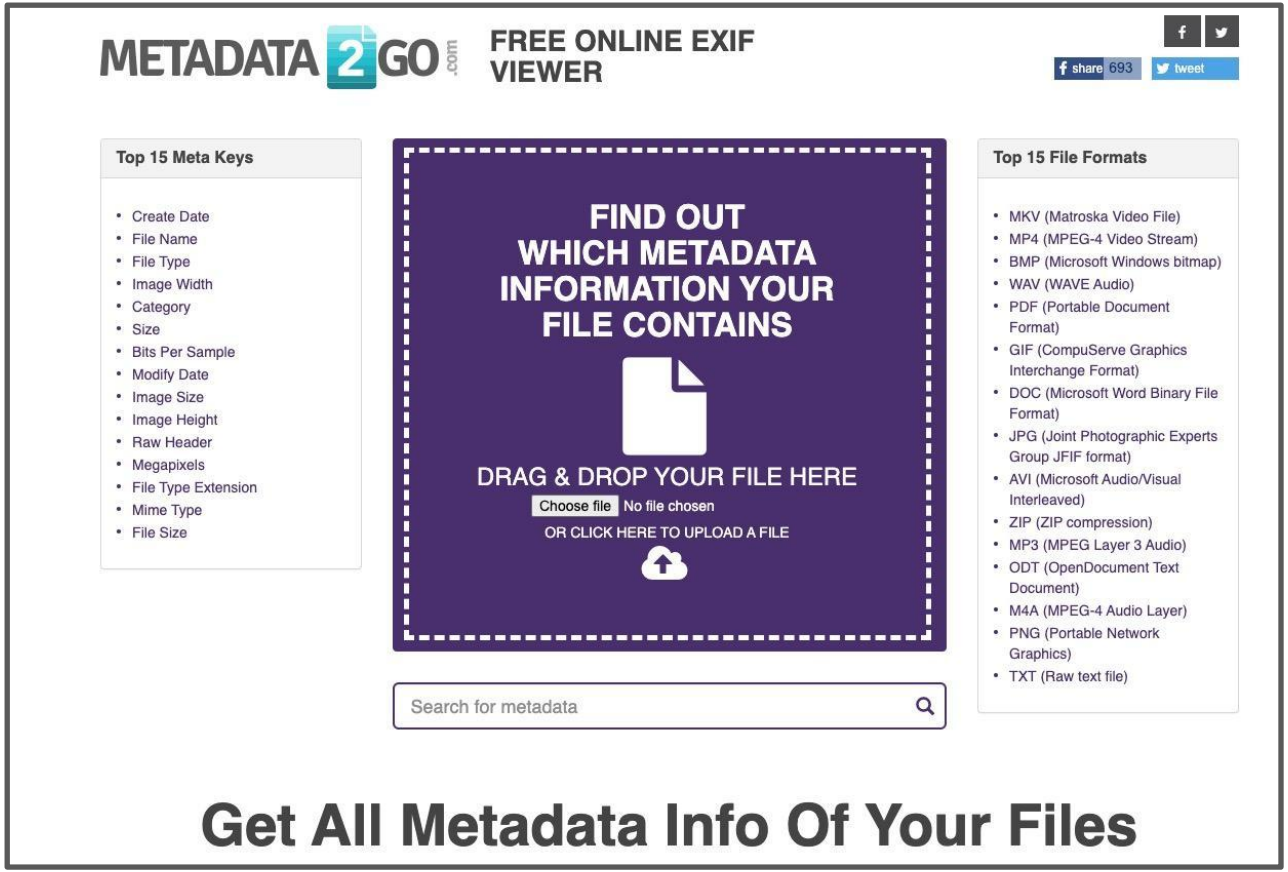


Metadata of a PDF file

Author	Raboso Fernández Raquel
Creator	Microsoft® Word 2016
Producer	Microsoft® Word 2016
Creationdate	Wed Jul 24 20:33:49 2019
Moddate	Wed Jul 24 20:33:49 2019

https://www.metadata2go.com/

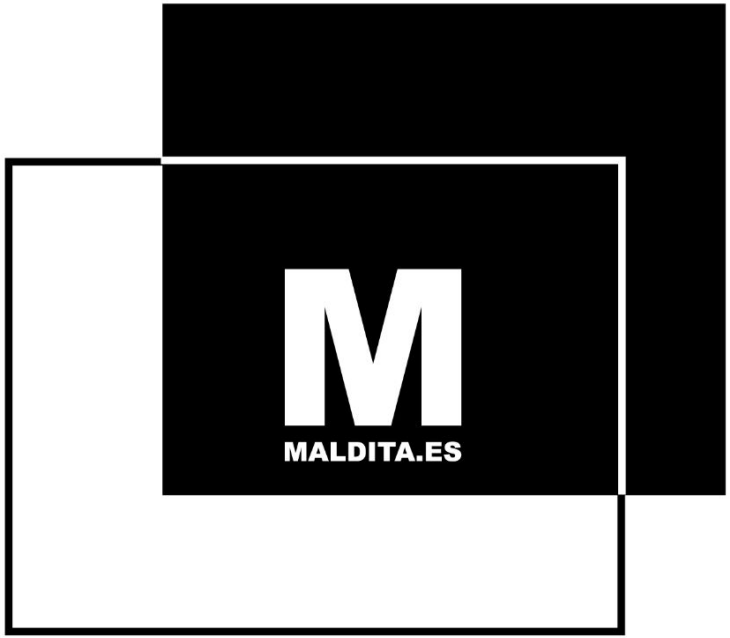
METADATA ONLINE VIEWEER



EXIF Viewer Pro

Browser extensions

- Quicker to obtain metadata
- Once again, it’s important to be cautious with metadata



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