

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

Windhoek, Namibia  
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#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

# 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.

# Advanced searches

The Google logo is centered on the page. It consists of the word "Google" in its signature multi-colored font: a blue 'G', a red 'o', a yellow 'o', a blue 'g', a green 'l', and a red 'e'.

# Advanced searches



Búsqueda Seç

- 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.



# Most useful operators

site: AND

filetype:

"""

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.

### **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.

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



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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

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 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, ...



("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...](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.

### Buy iPhone 7 Refurbished | giffgaff

<https://www.giffgaff.com/mobile-phones/apple/...iphone-7-refurbished/phone-details>

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).





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 website.

2 results (0.21 seconds)

 Maldita.es

## 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





-site:maldita.es Maldita.es



Tools

About 33,100,000 results (0.38 seconds)

[https://www.instagram.com › maldita](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.

[https://www.eldiario.es › autores › m...](https://www.eldiario.es/autores/m...) · [Translate this page](#) ⋮

## Maldita.es - El Diario

**Maldita.es** es un proyecto periodístico independiente y sin ánimo de lucro cuyo fin es dotar a los



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](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.



"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](http://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](http://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/](http://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](http://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

 All  Images  Videos  Maps  News  More

Tools

Any time ▾ All results ▾

- Any time
- Past hour
- Past 24 hours
- Past week
- Past month
- Past year
- Custom range...

ate this page ⋮

es - Periodismo para que no te la cuelen

riodísticas para que no te la cuelen: **Maldita** Hemeroteca, Maldito Dato y **Maldita** Tecnología. HAZTE MALDITO.

mos los bulos, las mal llamadas fake ...

**ONAVIRUS**

Creamos herramientas periodísticas para que no te la ...

# Advanced searches



## Customised date range

From

To

« June 2022 »

M	T	W	T	F	S	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

site:namibian.com.na "Hage Geingob"



All

Images

News

Videos

Maps

More

Tools

Jan 1, 1999 – Dec 31, 1999 ▾

All results ▾

Clear

<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 ...

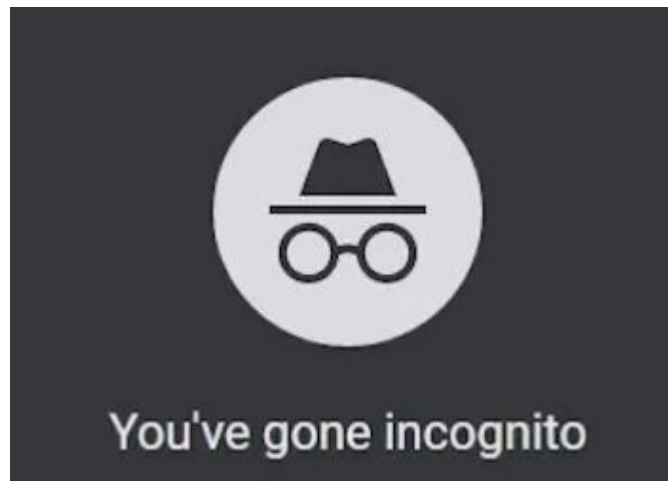


# Advanced searches

- 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

# Incognito mode

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



# 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



chrome web store

[Inicio](#) > [Extensiones](#) > Incognito This Tab



**Incognito This Tab**

Ofrecido por: BrowserNative

# 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



**NordVPN®**



**ExpressVPN**



**ProtonVPN**

# 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





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

× **Advanced search** Search

**Words**

All of these words

---

Example: what's happening · contains both "what's" and "happening"

This exact phrase

---

Example: happy hour · contains the exact phrase "happy hour"

Any of these words

---

Example: cats dogs · contains either "cats" or "dogs" (or both)

None of these words

---

Example: cats dogs · does not contain "cats" and does not contain "dogs"

These hashtags

---

Example: #ThrowbackThursday · contains the hashtag #ThrowbackThursday



✕ **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

Only show replies



**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**



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

Has The Namibian published this tweet?

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



from:@thenamibian Spain since:2014-06-12 until:2014-1



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



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?**



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](#)



# Twitter searches

- 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 exceeds 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?





Q Maldita

## Search results

### Filters



All



Posts

Recent posts



Posts you've seen



Date posted



Posts from



Tagged location



# 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

### 2. Get ID

If the ID comes back as '0', wait a few seconds and try again. Sometimes this trips Facebook's anti-scraping flag.

<input type="text" value="https://www.facebook.com/username"/>	<input type="text" value="uid"/>	<input type="button" value="Find"/>
--	----------------------------------	-------------------------------------

*Example: Paste in the URL from a profile, page or place, like "https://www.facebook.com/zuck".*

<input type="text" value="https://www.facebook.com/malditobulo"/>	<input type="text" value="399588083709952"/>	<input type="button" value="Find"/>
---	--	-------------------------------------

*Example: Paste in the URL from a profile, page or place, like "https://www.facebook.com/zuck".*

# 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.

### 3. Search

#### Specific day

Posts about  on

#### Specific month

Posts about  on

#### Specific year

Posts about  on

## Who posted what?

# Facebook searches

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

### Timerange

Posts about  from  until

*Example: Find all posts about Facebook from 4th June 2005 until 8th July 2005*



## 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

### Location

Posts about  from the location (UID)

*Example: Find all posts about Facebook from the location (UID) 106423786059675 (corresponds to Buenos Aires)*

## 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

### Posts directly from/Posts associated with

With "**Posts from**" it is also possible to search posts from pages. If you type in a \* (asterisk) into the keyword field or leave it empty, you find every post from or associated with the user.

Posts from  about

**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

*Example: Paste in the URL from a profile, page or place, like "https://www.facebook.com/zuck".*

## 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'

Posts from



399588083709952

about

Real Madrid



# Who posted what?

# Facebook searches

**MB MALDITO BULO** 18 h · 🌐

Bulos y desinformaciones sobre la final de la Champions entre el Liverpool y el Real Madrid

MALDITA.ES

Bulos y desinformaciones sobre la final de la Champions entre el Liverpool y el Real Madrid · Maldita.es - Periodismo para que no te la cuelen

👍👤 Mari González and 18 others 2 comments 5 shares

👍 Like 💬 Comment ➦ Share

**MB MALDITO BULO** 31 May at 11:08 · 🌐

No, no son "delincuentes" que robaron "varios DNI de aficionados del Real Madrid" durante la final de la Champions en Saint Denis (París): es una foto de 2012



**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







Google

how long do side effects of second covid vaccine last

Q All Images Videos Maps S 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 ...

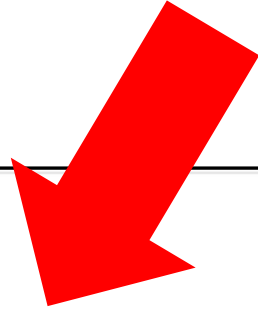


About 1,700,000,000 results (0.83 seconds)

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

**Possible Side Effects After Getting a** Cached **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



# Google Cache

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

ABC

ABC ABC.es  
@negrodebot

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



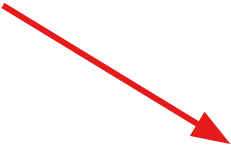
11:03 · 08 dic. 21 ·

Twitter for Android

96 Retweets 82 Tweets citados

## Google Cache

- 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"*

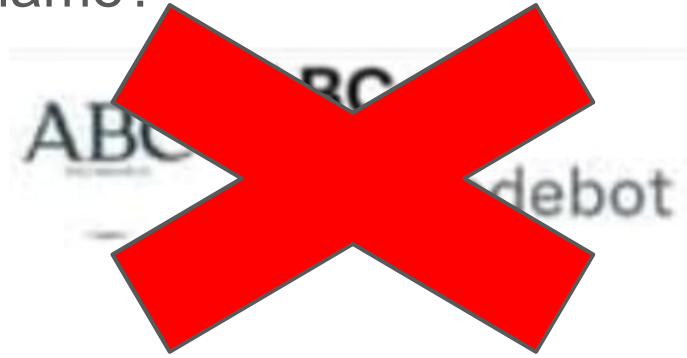
# Google Cache

- Does this seem like the real ABC Twitter username?

ABC ABC.es  
@negrodebot

# Google Cache

- Does this seem like the real ABC Twitter username?



- The real one is → **ABC.es** ✓  
@abc\_es

# Google Cache

- Who is @negrodebot?





# Google Cache

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



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

ABC 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?



# 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

## CAPTURA DEL BULO



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

## CAPTURA DE LA PUBLICACIÓN A 9/12/2021



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

153 Retweets · 181 Tweets citados · 401 Me gusta

# 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



The screenshot shows a Twitter thread on a pink background. The central tweet is from ABC.es (@negrodebot) and reads: "Pablo Iglesias, en lucha por la custodia de sus hijos. Llevará a juicio a su ex pareja Irene Montero." This tweet has 96 retweets and 82 quoted tweets. It is timestamped 11:03 · 08 dic. 21. The thread includes several replies:

- Reply 1: "Yo si fuera el juez, no le doy la custodia a ninguno de los dos." (12:29 p. m. · 8 dic. 2021 · Twitter for Android)
- Reply 2: "Tomá ya !!! Disfruta de las leyes de tu ex !!!! Vas a recoger lo que has sembrado." (12:00 p. m. · 8 dic. 2021 · Twitter for Android)
- Reply 3: "Esto va a ser maravilloso. Se viene denuncia por maltrato en 3,2,1. Palomitas !! 🍿🍿🍿🍿" (16 p. m. · 8 dic. 2021 · Twitter for Android)

A large, semi-transparent red watermark with the word "BULO" is overlaid across the middle of the screenshot.

INTERNET ARCHIVE

WayBack Machine

**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



The screenshot shows the Wayback Machine interface for the URL `https://sfcfb.org/`. At the top, there is a navigation bar with the Wayback Machine logo and a search input field containing the URL. Below the search bar, there are navigation links: **Calendar**, Collections, Changes, Summary, and Site Map. A text line indicates that the page has been saved 1,032 times between November 11, 1998, and June 12, 2020. A bar chart below this text shows the frequency of saves over time, with the year 2020 highlighted in yellow. At the bottom, a calendar view shows the months from January to August, with specific dates highlighted in green and blue circles, indicating save dates.

INTERNET ARCHIVE Explore more than 446 billion web pages saved over time

**WayBackMachine**

[DONATE](#)

`https://sfcfb.org/`

**Calendar** · Collections · Changes · Summary · Site Map

Saved 1,032 times between November 11, 1998 and June 12, 2020.

2021 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 **2020**

JAN	FEB	MAR	APR
1 2 3 4	1	1 2 3 4 5 6 7	1 2 3 4
5 6 7 8 9 10 11	2 3 4 5 6 7 8	8 9 10 11 12 13 14	5 6 7 8 9 10 11
12 13 14 15 16 17 18	9 10 11 12 13 14 15	15 16 17 18 19 20 21	12 13 14 15 16 17 18
19 20 21 22 23 24 25	16 17 18 19 20 21 22	22 23 24 25 26 27 28	19 20 21 22 23 24 25
26 27 28 29 30 31	23 24 25 26 27 28 29	29 30 31	26 27 28 29 30

MAY	JUN	JUL	AUG
1 2	1 2 3 4 5 6	1 2 3 4	1

<https://archive.org/web/>



A calendar interface for November 2005. The calendar shows days from October 31 to November 30. Many dates are highlighted with blue circles. A popup window is open for November 24, 2005, displaying a list of 16 snapshots with their respective timestamps.

Month	Day	Snapshot Count
OCT	31	0
NOV	1	1
NOV	2	1
NOV	3	1
NOV	4	1
NOV	5	1
NOV	6	1
NOV	7	1
NOV	8	0
NOV	9	0
NOV	10	0
NOV	11	0
NOV	12	0
NOV	13	1
NOV	14	0
NOV	15	0
NOV	16	0
NOV	17	0
NOV	18	0
NOV	19	0
NOV	20	0
NOV	21	0
NOV	22	0
NOV	23	1
NOV	24	16
NOV	25	1
NOV	26	1
NOV	27	1
NOV	28	1
NOV	29	1
NOV	30	1

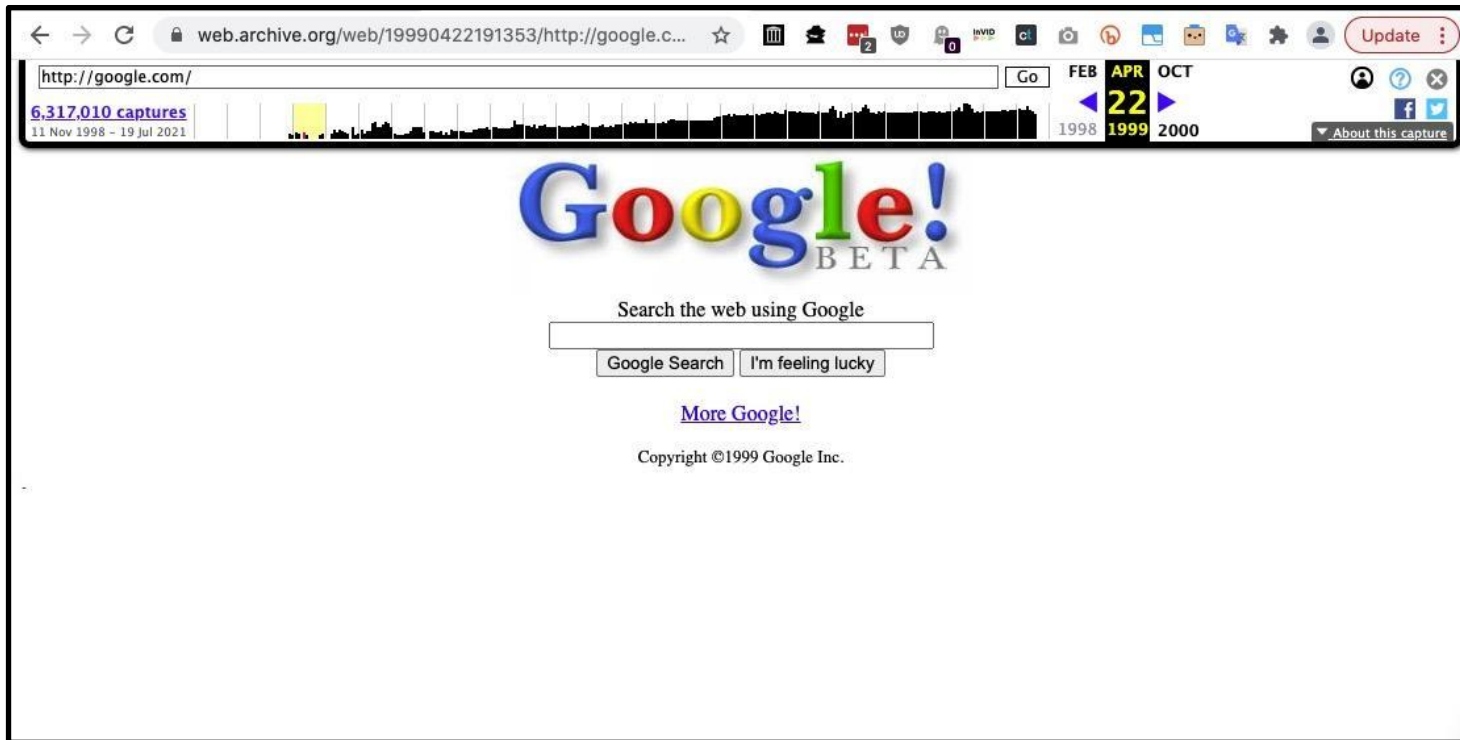
**NOVEMBER 24, 2005**

16 snapshots

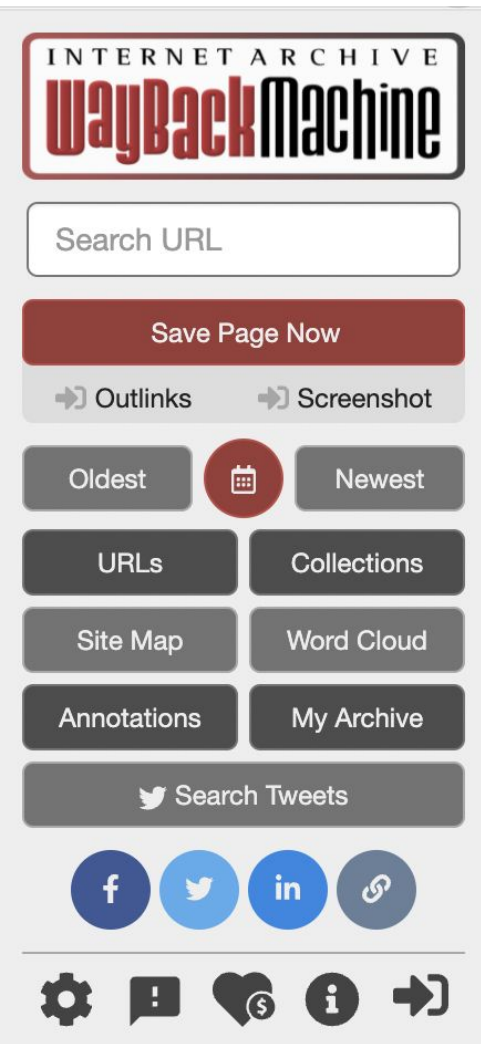
- 00:29:06
- 00:50:12
- 01:34:33
- 03:30:22
- 05:23:29
- 06:48:48
- 08:48:17
- 09:10:40
- 12:36:41
- 16:39:04

f times **pp.es** was crawled by the Wayback Machine

[FAQ](#) | [Contact Us](#) | [Terms of Service \(Dec 31, 2014\)](#)



<https://archive.org/web/>



# Archiving



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Wayback Machine

Ofrecido por: Internet Archive

# Archiving

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**Mi url está en línea y quiero archivar su contenido**

**Archive.today** ¡es tu máquina personal del pasado!  
Toma una instantánea de la página que siempre va a estar en línea incluso si la original desaparece.  
Guarda una copia textual y gráfica de la página para mayor precisión.  
También acorta la url como lo hacen tinyurl, goo.gl y bit.ly.  
Puede guardar sitios web 2.0:

- <https://archive.ph/2020.04.21/r1.live/>
- [https://archive.ph/2014.06.26/google.com/maps/...](https://archive.ph/2014.06.26/google.com/maps/)

Esto puede ser útil si quieres guardar una fotografía de una página que podría cambiar pronto: un precio, una oferta de trabajo, una oferta inmobiliaria, un post al estar borracho...  
Páginas guardadas no van a tener ningún elemento ni scripts activos, ¡te mantienen seguro porque no pueden tener popups o malware!

**Buscar por el archivo**

- 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

## 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<sup>(1)</sup>

.pages .key .numbers

## Image

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

## Audio/Video

.mp3 .avi .mp4

## Compressed<sup>(2)</sup>

.zip .tar

## Others

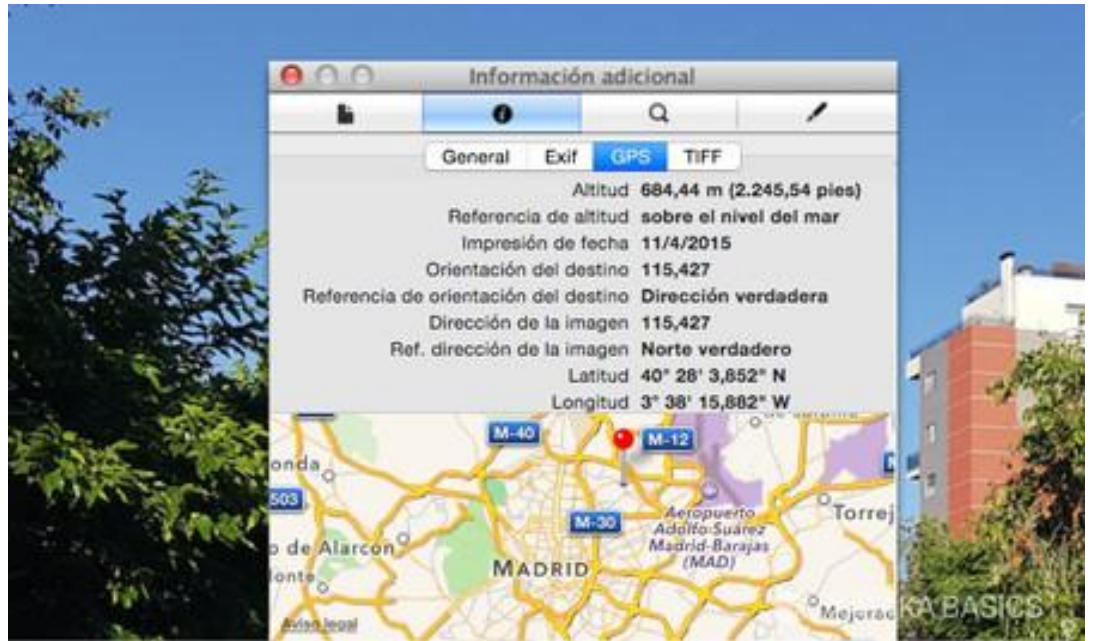
.pdf .rtf .wnry .wry .indd .rdp .ica

# Metadata of a JPG file

```
kMDItemISOSpeed           = 32
kMDItemKind                = "JPEG image"
kMDItemLastUsedDate       = 2015-08-21 22:28:12 +0000
kMDItemLatitude            = 50.60912
kMDItemLogicalSize        = 6520845
kMDItemLongitude           = -1.2483033333333333
kMDItemOrientation         = 0
kMDItemPhysicalSize       = 6524928
kMDItemPixelCount         = 7990272
kMDItemPixelHeight        = 2448
kMDItemPixelWidth         = 3264
```



# Metadata of a JPG file



# Metadata of a PDF file

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

**METADATA 2 GO** .COM FREE ONLINE EXIF VIEWER

share 693 tweet


**Top 15 Meta Keys**

- Create Date
- File Name
- File Type
- Image Width
- Category
- Size
- Bits Per Sample
- Modify Date
- Image Size
- Image Height
- Raw Header
- Megapixels
- File Type Extension
- Mime Type
- File Size

**Top 15 File Formats**

- MKV (Matroska Video File)
- MP4 (MPEG-4 Video Stream)
- BMP (Microsoft Windows bitmap)
- WAV (WAVE Audio)
- PDF (Portable Document Format)
- GIF (CompuServe Graphics Interchange Format)
- DOC (Microsoft Word Binary File Format)
- JPG (Joint Photographic Experts Group JFIF format)
- AVI (Microsoft Audio/Visual Interleaved)
- ZIP (ZIP compression)
- MP3 (MPEG Layer 3 Audio)
- ODT (OpenDocument Text Document)
- M4A (MPEG-4 Audio Layer)
- PNG (Portable Network Graphics)
- TXT (Raw text file)


**FIND OUT WHICH METADATA INFORMATION YOUR FILE CONTAINS**



**DRAG & DROP YOUR FILE HERE**

Choose file No file chosen

OR CLICK HERE TO UPLOAD A FILE



Search for metadata

**Get All Metadata Info Of Your Files**

# EXIF Viewer Pro

## Browser extensions

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



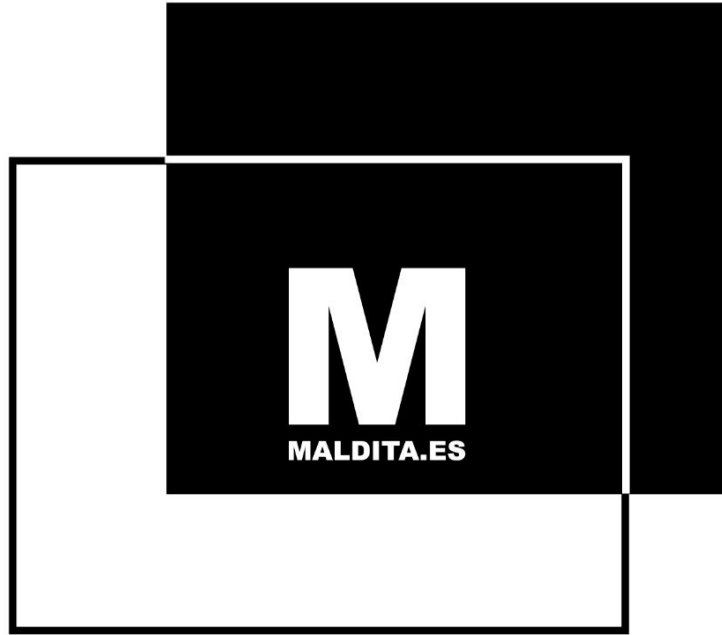
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### EXIF Viewer Pro

Ofrecido por: [exifviewers.com](https://exifviewers.com)



[ajimenez@maldita.es](mailto:ajimenez@maldita.es)