

# CURSO DE PERIODISMO DE DATOS 2024

CURSO DE INICIACIÓN AL PERIODISMO DE DATOS, LA VISUALIZACIÓN Y EL FACT-CHECKING

13-14 JUNIO

Semana de la  
**Administración  
Abierta**

Del 10 al 16 de junio de 2024



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**transparencia**  
Administración Abierta



OBSERVATORI VALENCIÀ  
DE DADES OBERTES I TRANSPARÈNCIA

 IUMPA

(p)  
Unió de  
Periodistes  
Valencians

# Índice

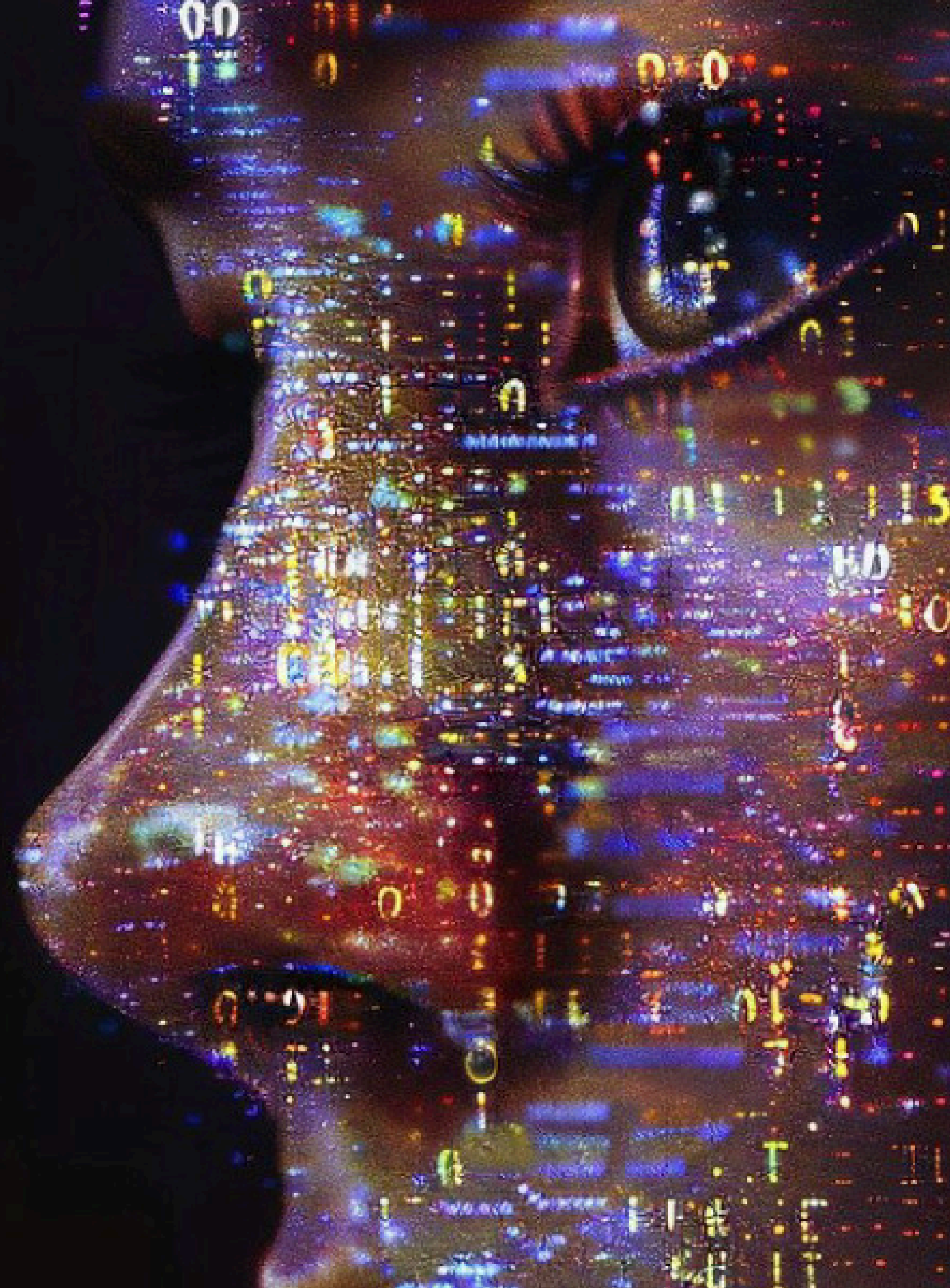
## CONTENIDOS

- La metodología del Periodismo de Datos
- Acceso y transparencia: fuentes de datos
- Extracción de datos
- Preparación y análisis de datos con hojas de cálculo
- Consejos para narrar y visualizar datos
- **Verificación y OSINT**

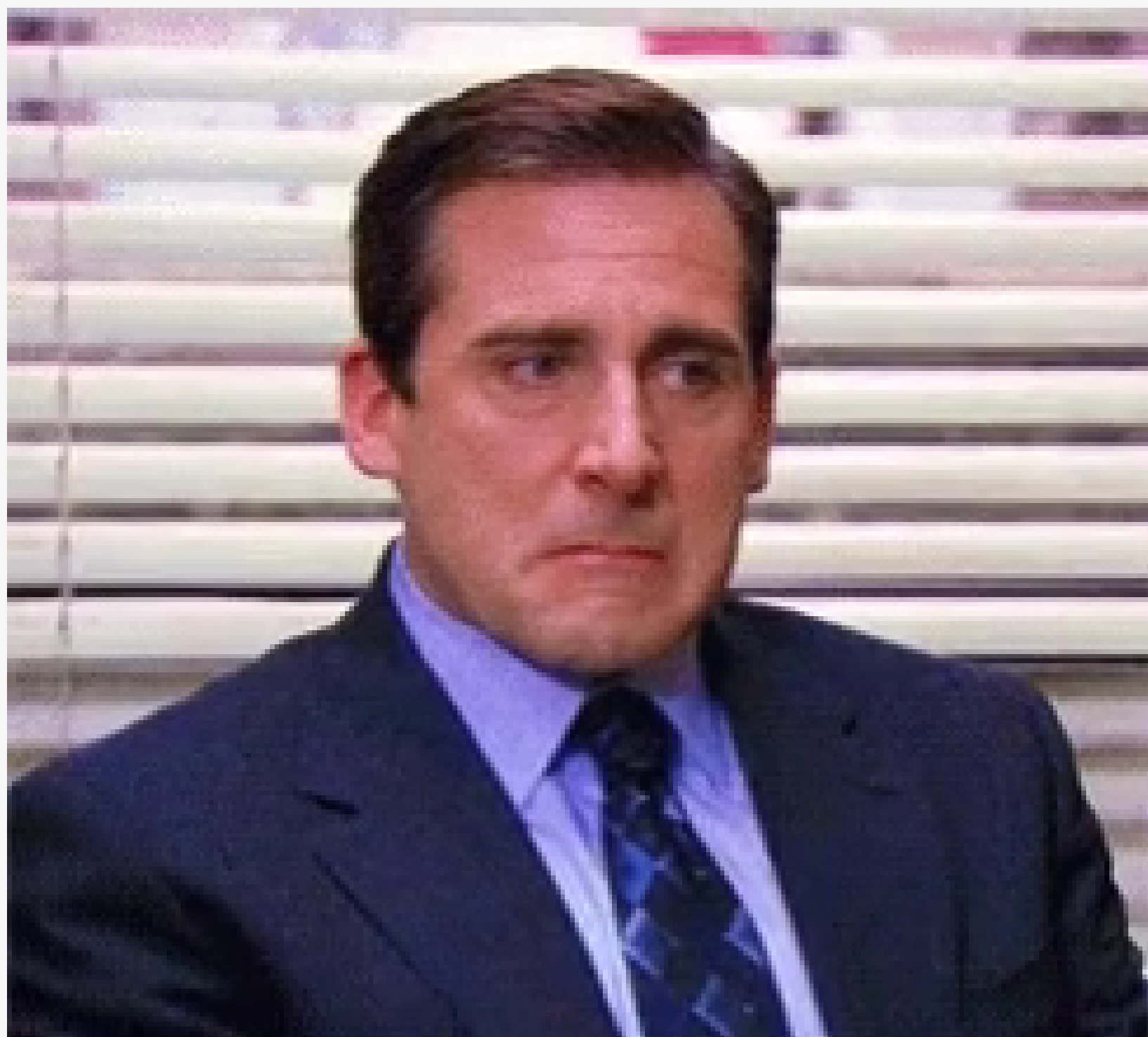
# Verificación y OSINT para periodistas

En esta presentación exploraremos algunas herramientas de verificación y OSINT para principiantes.

Si eres nivel pro, quizás puedas echarnos una mano con la sesión ;-)



**Comencemos...**



**No te preocupes si  
no te sale bien a la  
primera... Ya hay  
profesionales que  
verifican por ti.**

Google Fact Check Tools

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**MALDITO BULO**

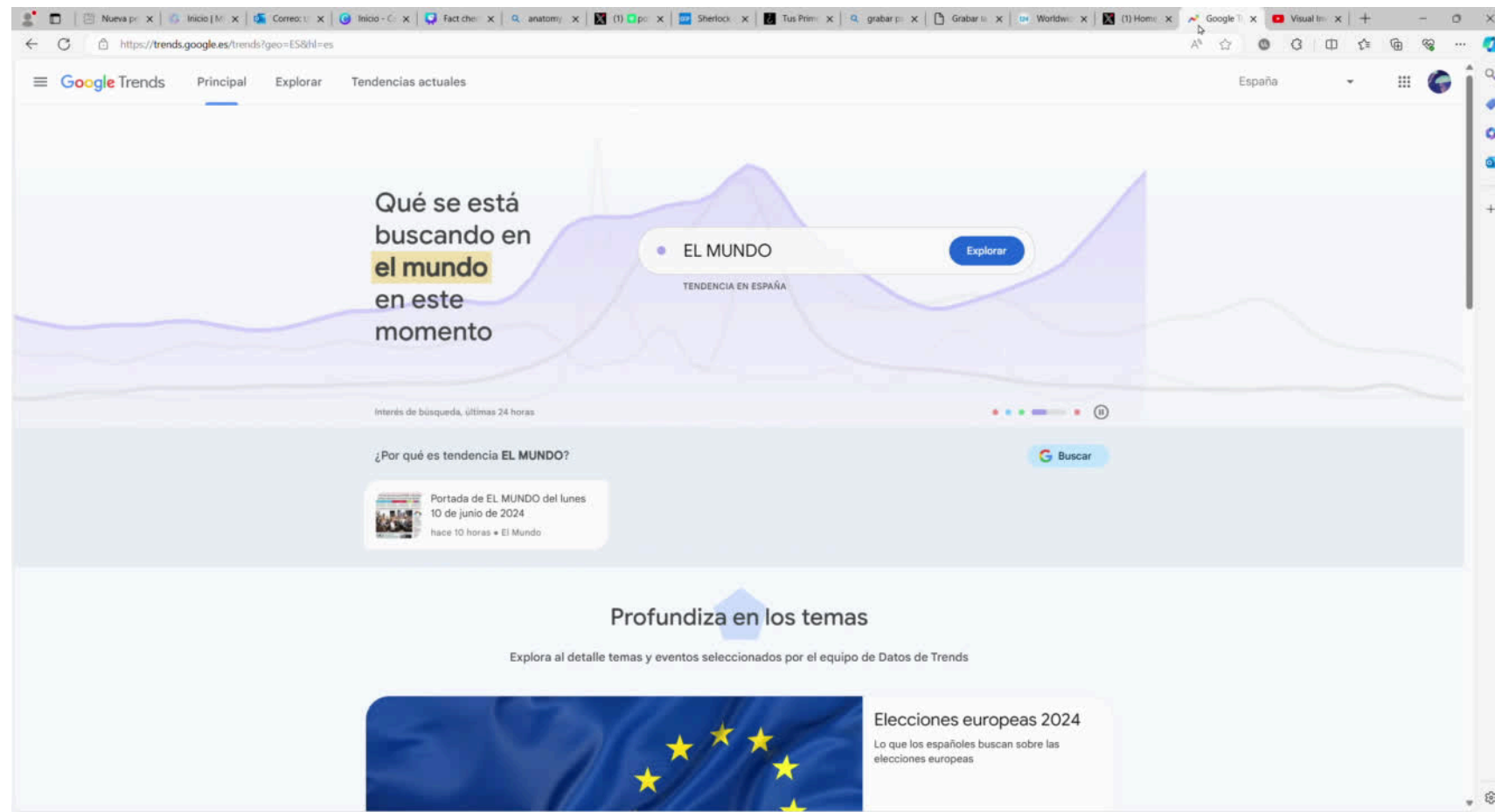
**Ne✔tral** | Zona de verificación

**verificat**  
anys

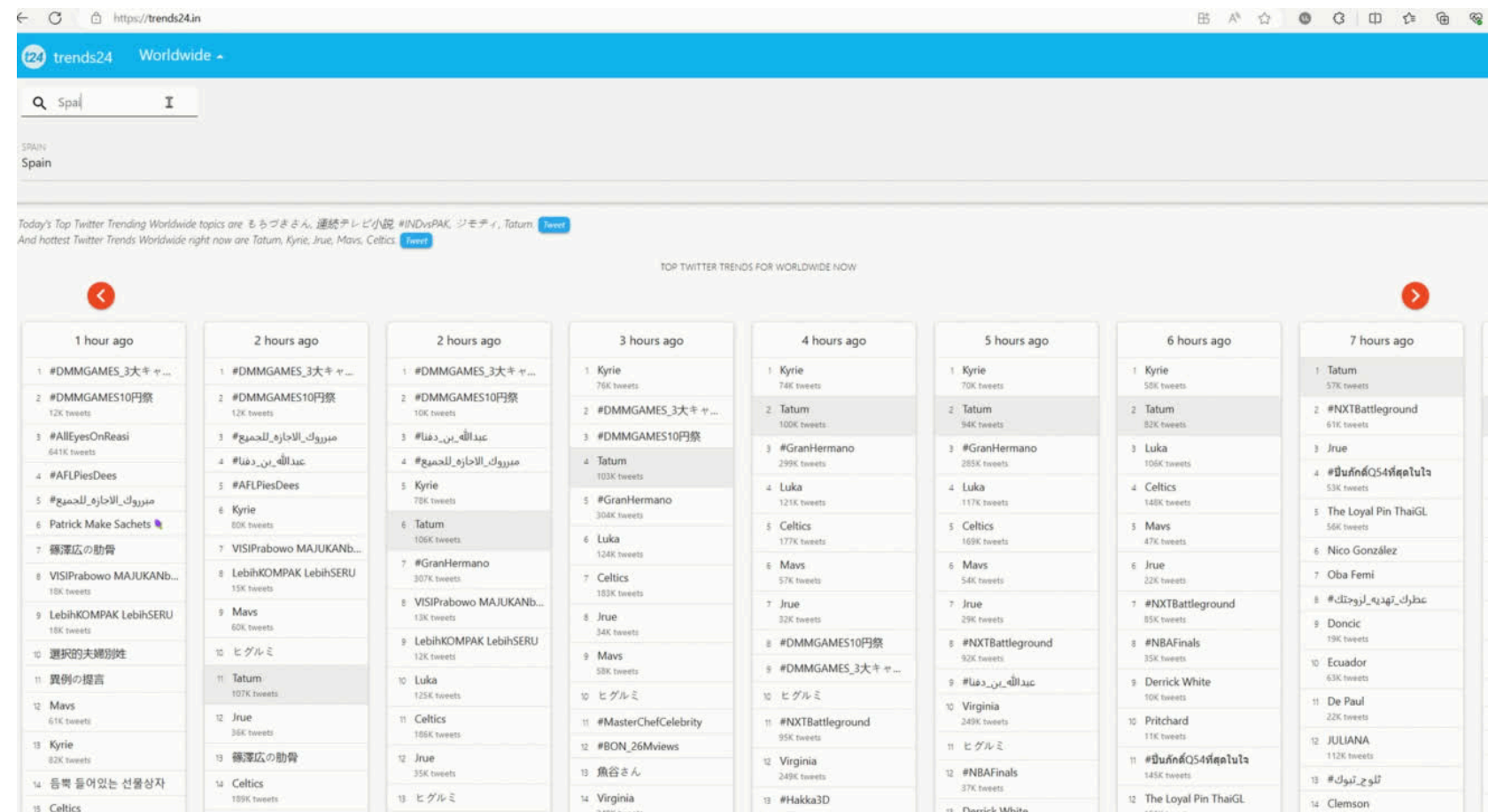
Tornem als fets

Verifica **rtve**

**IFCN**  
@Poynter.



# Siempre ayuda saber las tendencias informativas...

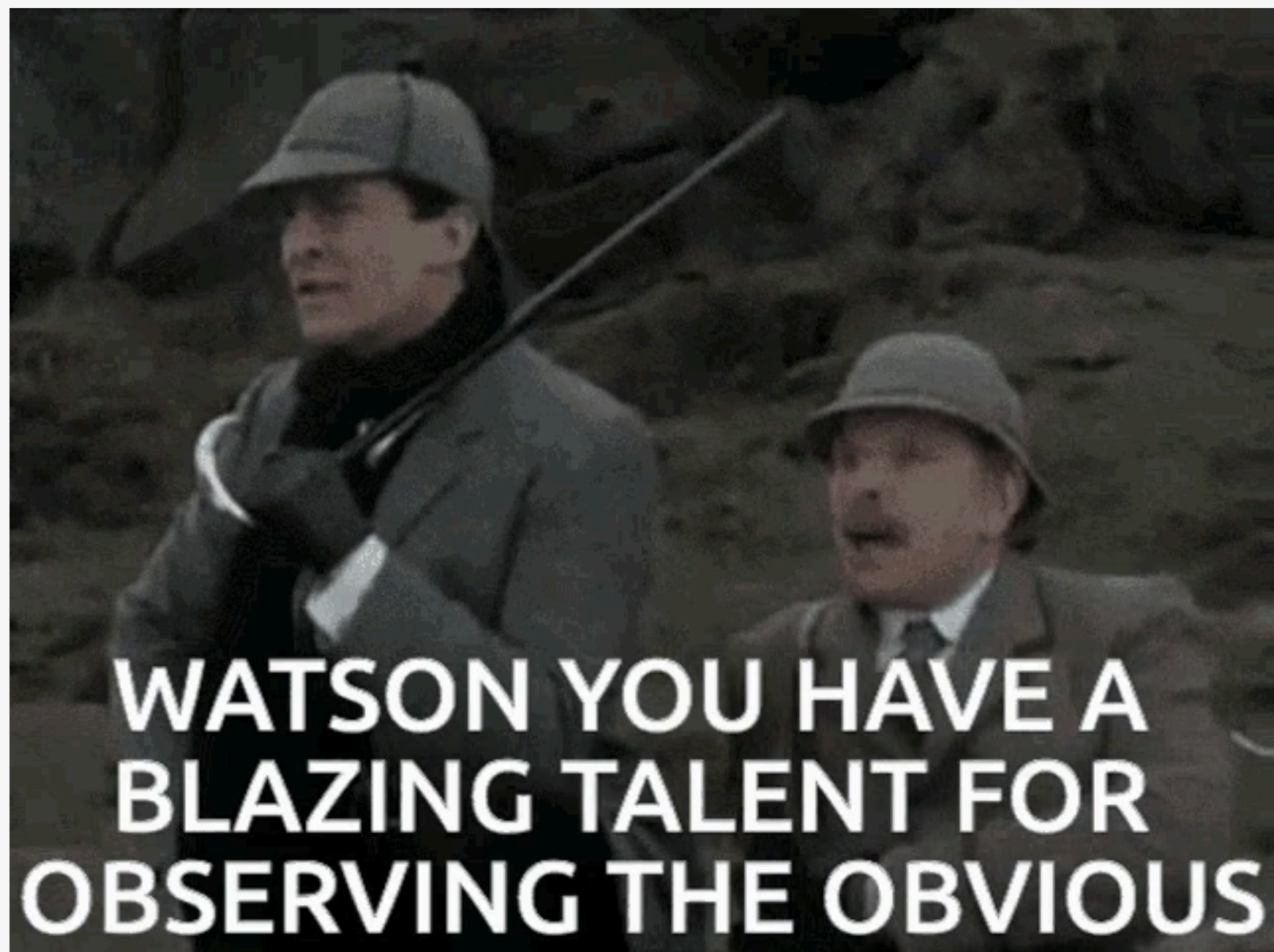


- Será más probable que se distribuya información falsa sobre estos temas que son TT.



# A la desinformación le encantan las imágenes

- Emotividad, indignación, sorpresa = aumentan la difusión = manipulan para conseguir fines económicos (*clickbait*) o ideológicos
- No es un fenómeno novedoso.



**La primera  
herramienta de  
verificación son tus  
ojos...**



- 01 ¿Estás viendo la foto original?
- 02 ¿Sabes dónde y cuándo se tomó?
- 03 ¿Conoces al autor?
- 04 ¿Identificas señalizaciones, anuncios, etc. que puedan ayudarte?
- 05 ¿Cuál es el clima en la imagen?

- 06 ¿Hay objetos borrosos?
- 07 ¿Qué sombras se proyectan?
- 08 ¿Es coherente la iluminación de los objetos?
- 09 ¿Se ha recortado la imagen?
- 10 ¿Identificas 'personas reales' en la foto?



Me gusta Compartir ...

94

42 comentarios

909 veces compartido

32 mil reproducciones · el martes pasado ·

Está la gente fatal

Chat (38)



17/03/2020. Pongamos que hablo de Madrid....





← Post



**megahater en público**

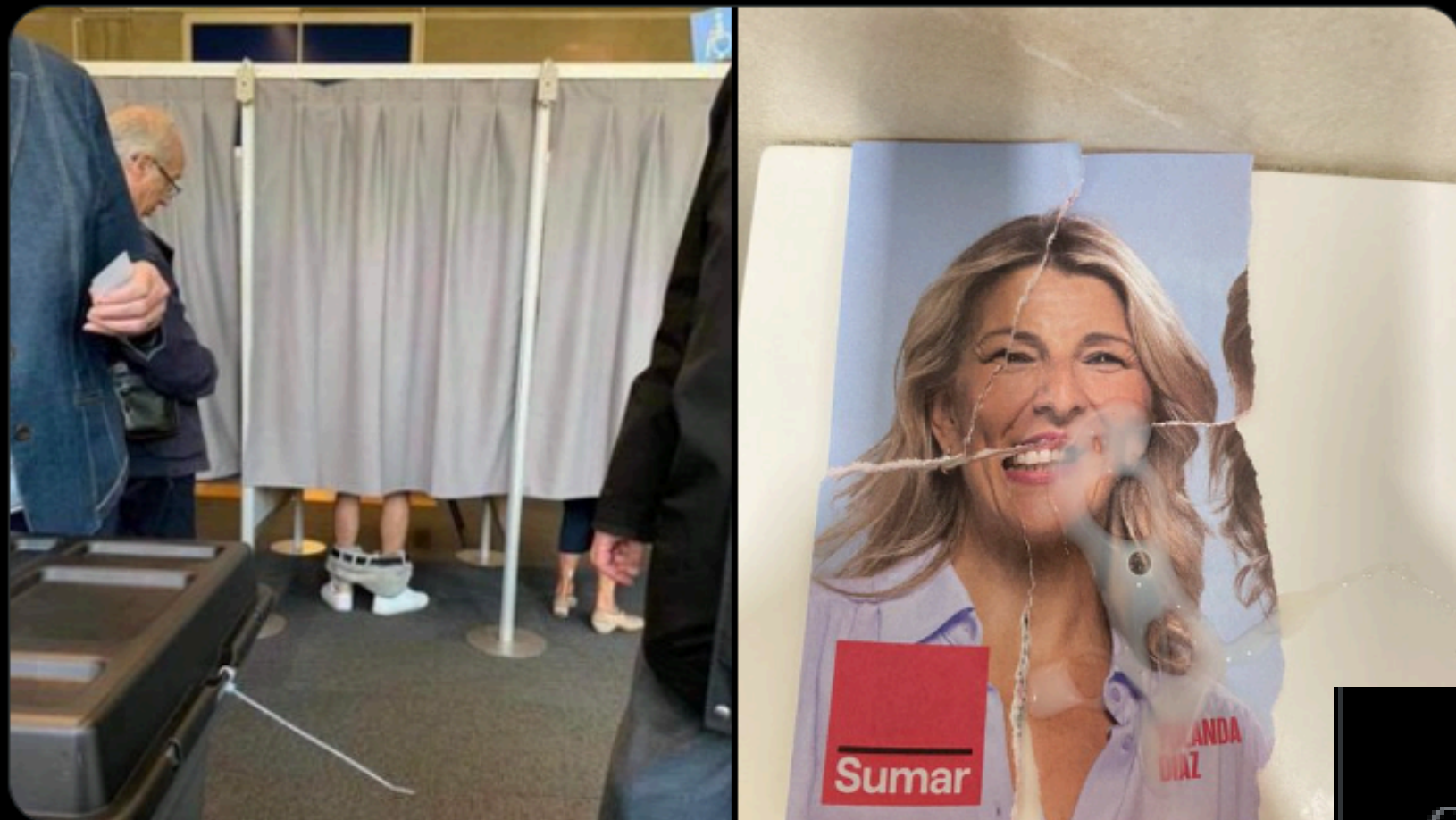
@megahater11



Me parece inaudito lo que ha pasado en el colegio electoral de Alcorcón.

Un hombre se ha bajado los pantalones en la cabina de votación y al llamarle la atención entre los que estábamos esperando ha salido corriendo y nos hemos encontrado con esto.

[Translate post](#)



9:29 PM · Jun 9, 2024 · **1.2M** Views

- Recuperar o descubrir imágenes en la red partiendo de un contenido que ya tienes
- Identificar versiones manipuladas en otras webs.



Buscar cualquier imagen con Google Lens



Arrastra una imagen hasta aquí o  
sube un archivo

o

om/media/GPp7XEZXAAAZ3eu?format=jpg&name=large

Buscar



Upload

Paste or enter image URL



### 159 results

Searched over 68 billion images in 0.8 seconds for:  
[pbs.twimg.com/media/GPp7XEZXAAA3eu?format=jpg&name=large](https://pbs.twimg.com/media/GPp7XEZXAAA3eu?format=jpg&name=large)

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and we do not save your  
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Filter by website / collection



#### imgur.com

[gallery/E3p8dge](#) - First found on May 26, 2019

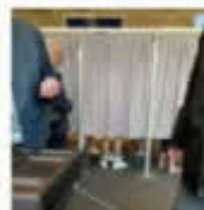
Filename: [zfRGsdVh.jpg](#) (460 x 476, 38.7 kB)



#### imgur.com

[gallery/E3p8dge](#) - First found on May 26, 2019

Filename: [zfRGsdV.jpg](#) (460 x 476, 53.6 kB)



#### www.reddit.com

[r/pics/comments/bt98zj/today\\_is\\_electi...](#) - First found on May 26, 2019

[r/pics/comments/btd3hm/my\\_neighbo...](#) - First found on May 26, 2019

Filename: [zxupxnidrk031.jpg](#) (720 x 960, 57.4 kB)

Home About Search Twitter Have an account? Log in



**Maruja La Invencible**  
 @Maru\_invencible  
 Feminista radical. Atea. Abortista. Antifascista. Republicana. Podemos, PSOE Divorciada. No tengo relación con mi hijo. Mi ejemplo: Barbijaputa y Cris Fallarás.  
 Joined March 2021  
 15 Photos and videos

Tweets 339 Following 226 Followers 436 Likes 388 Follow

**Tweets** Tweets & replies Media

Pinned Tweet

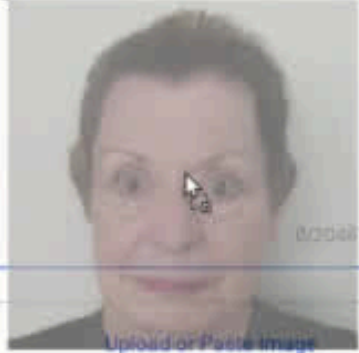
**Maruja La Invencible** @Maru\_invencible · 3h  
 Es importante que vayamos todos a votar para echar al fascismo de Madrid. La izquierda tiene que estar unida, tanto PSOE como Podemos tenemos que trabajar codo con codo. Vota izquierdas! Vota PSOE, vota PODEMOS si quieres vivir en un país progresista.

1 1

Retweeted by **PSOE** @PSOE · 6h  
 Hay empate en votos entre la izquierda y la derecha. Y la clave son los votantes de Ciudadanos. EL DESEMPATE está en sus manos.  
 Propongo un gobierno excepcional y progresista en Madrid para 2 años.  
 ¿No va siendo hora de gobernar EN SERIO?  
 #EmpateYDesempate

**HIVE**

Enter text here or highlight text and right-click to scan. You can also drag/drop or paste an image here.



0/2048 characters


Upload or Paste image

Upload or Paste Audio/Video with duration <= 20s

Check Origin



← **Lorena R. Romero-Domínguez**  
1,988 posts



**Lorena R. Romero-Domínguez**  
@LRomeroDguez

Professor at University of Seville. Media, Democracy, Political Economy. Working on Power&Journalism

Education Joined April 2020


1,948 Following 277 Followers

Posts Replies Highlights Articles Media Likes

You reposted

**Gervasio Sánchez** @gervasanchez · Jun 8

Hoy 6 de junio a las 18 horas inauguración de Vides Minades, 25 anys en Palau Robert de Barcelona. Tanto mañana 7 como el sábado 8 de junio haré visitas guiadas por la mañana y la tarde. Os ánimos a venir a ver esta exposición que muestra la evolución de víctimas de minas.



**Live on X**

- Reuters is hosting  
LIVE: International conference on Gaza in Jordan +8.9K
- EL PAÍS is hosting  
Consejo de Ministros 11/06 +2.4K
- Al Jazeera English is hosting  
LIVE: AL JAZEERA ENGLISH +2.3K
- El HuffPost is hosting  
Comparece Patricia Ramírez, la madre del pequeño Gabriel, en el Senado +1.9K
- EL ESPAÑOL is hosting  
DIRECTO | Rueda de prensa en La Moncloa tras el Consejo de Ministros +214

**You might like**

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- Geopolitikaz @geopolitikaz Follow
- Enric Juliana Ricart @EnricJuliana Follow

Show more

**Trends**

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**HIVE**

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<https://x.com/LRomeroDguez/photo>

0/2048 characters

Upload or Paste Image

Upload or Paste Audio/Video with duration ≤ 2:00

Check Origin

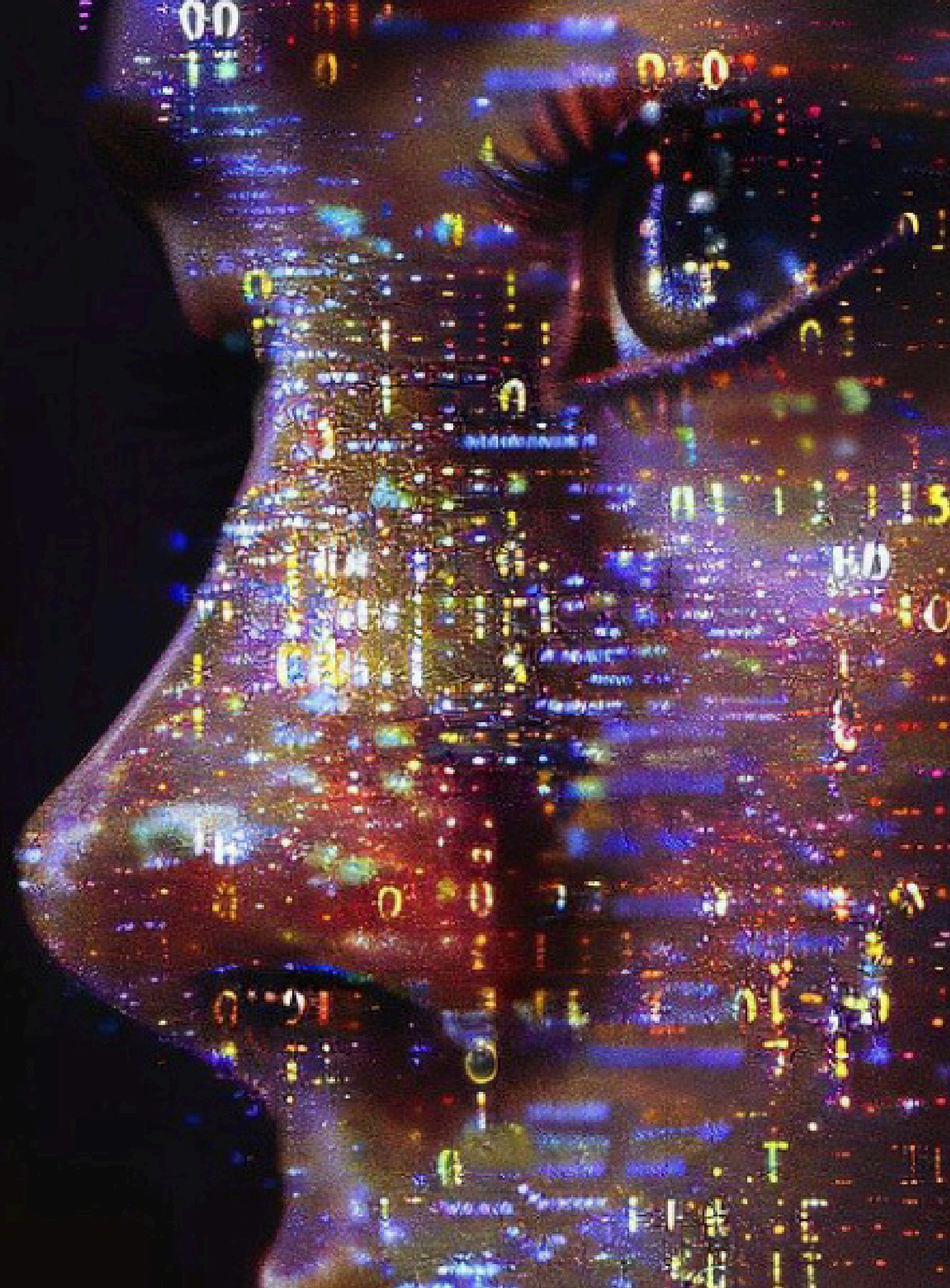


**FaceCheck.ID**  
Busca personas en línea por foto

Arrastra y suelta una foto(s) de la persona que deseas encontrar.

Examinar...

- Redes sociales
- Delincuentes sexuales
- Fotos policiales
- Estafadores
- Videos
- Noticias y blogs



**De la verificación al OSINT**

**Open Source INTelligence / OSINT** (Inteligencia de Fuentes Abiertas) se refiere al conjunto de técnicas y herramientas que se utilizan para recopilar información pública, analizarla y relacionarla para convertirla en conocimiento útil.



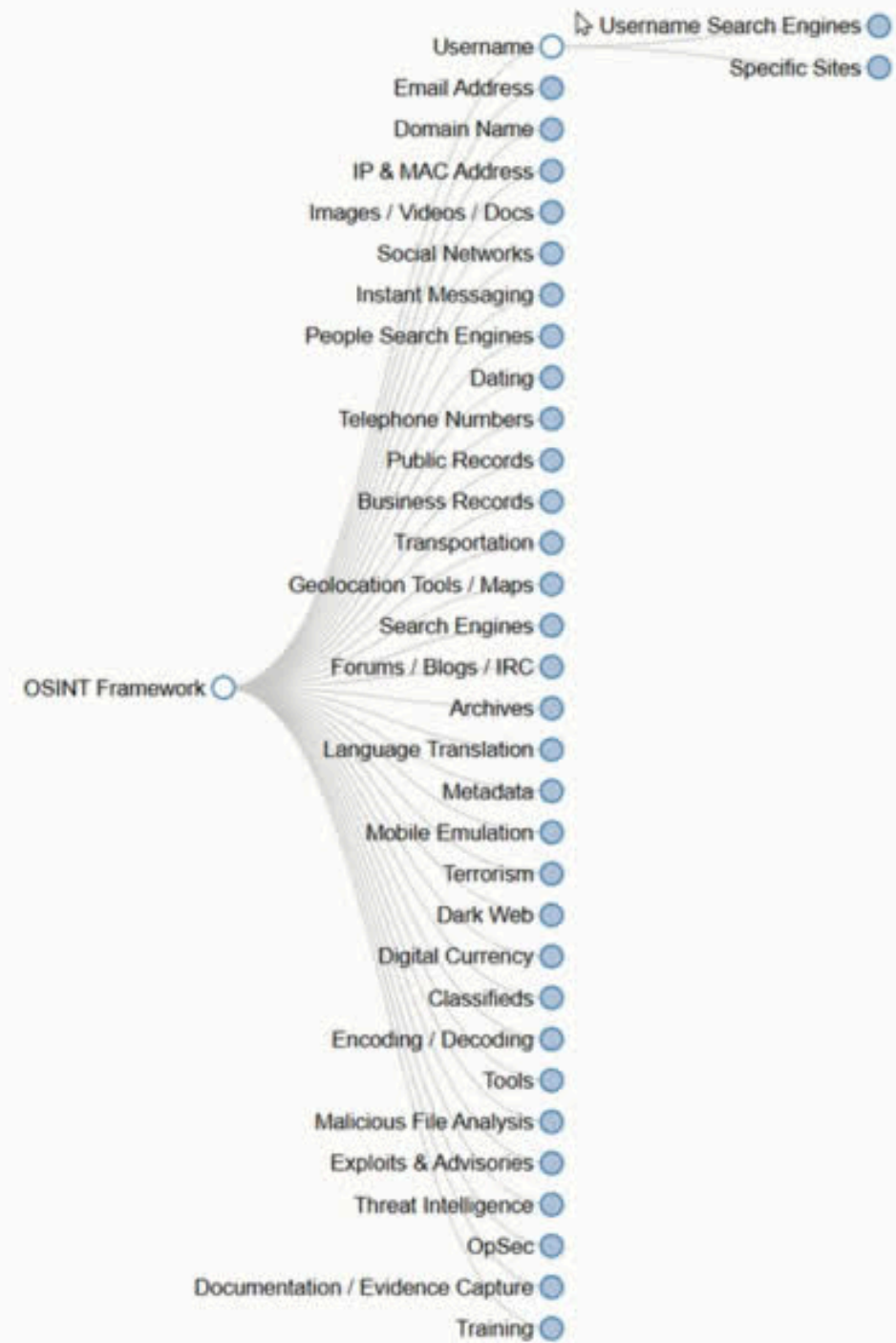
**Extract -- Research -- Verify**

## COMENCEMOS....


- Evalúa cuál/cuáles son tus áreas de interés
- ¿Tienes alguna destreza en particular?
- Si no estás en X (antes Twitter) no te enterarás de nada.
- Sigue a comunidades OSINT en X y otras plataformas (ahora te enseñamos unas cuantas)
- Practica, practica y practica
- **Diviértete siempre con ética**

# OSINT Framework

(T) - Indicates a link to a tool that must be installed and run locally  
(D) - Google Dork, for more information: [Google Hacking](#)  
(R) - Requires registration  
(M) - Indicates a URL that contains the search term and the URL itself must be edited manually



← **OOSI**  
@malachybrowne



**OOSI**  
Online open source investigators, trainers, journalists and specialists.

**Malachy Browne** @malachybrowne  
292 Members 6.3K Followers

Following

Timmi Allen reposted

**Ruprecht Polenz** @polenz.bsky · 16m  
Wenn es numerisch reicht, werden in Ostdeutschland AfD und BSW koalieren:  
Putin-Nähe, Antiamerikanismus bei Zustimmung zu Trump, Nationalismus statt EU, Islamfeindlichkeit, weniger Flüchtlinge, „Lügenpresse“, „die da oben verraten euch“, „die Wessis sind gegen euch“

18 12 40 1.2K

Timmi Allen reposted


**Mattia Nelles** @mattia\_n · 19m  
The challenge this conference has to meet: make sure that the conversations about recovery is not merely talk about a lift tomorrow that might never appear. We need tangible outcomes (energy infrastructure & air defenses in particular) and no lofty promises! x.com/mattia\_n/statu...

This post is unavailable.

There's a new version of this post

3 6 465

← **OSINT research verify**  
@bayer\_julia

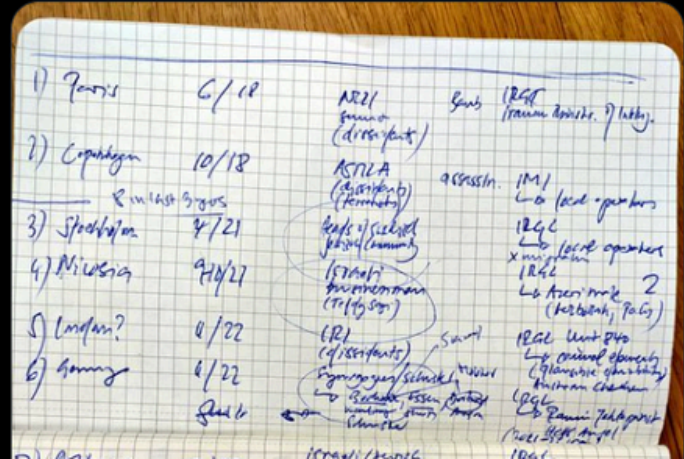


**OSINT research verify**  
OSINT research & verify

**Julia Bayer** @bayer\_julia  
204 Members 2.5K Followers


Follow

**Peter R. Neumann** @PeterRNeumann · 1m  
Hier die „Boomer-Übersicht“ über alle bekannten, vom Iran gesponsorten Attentate/Anschläge in Westeuropa seit 2018:  
\* 11 insgesamt,  
\* 8 allein in den letzten drei Jahren,  
\* 8 gegen jüdische/israelische Ziele.  
(Im Buch sieht das dann ordentlich aus.) amzn.eu/d/70yIB6j



Attentat	Datum	Ort	Opfer	Verursacher
1) Paris	6/18	Paris	129	IRAN (drossel)
2) Coptham	10/18	London	10	IRAN (drossel)
3) Stockholm	4/21	Stockholm	5	IRAN (drossel)
4) München	9/11	München	10	IRAN (drossel)
5) London?	8/22	London	1	IRAN (drossel)
6) Garmisch	6/22	Garmisch	1	IRAN (drossel)

← **Verifcation Quiz Bot**  
2,662 posts



**Verifcation Quiz Bot**  
@quiztime

Join us and verify yourself through a little series of quizzes that we post daily on Twitter. Learn about the main tools and collaborate with others.

The Net, collaborators worldwide medium.com/quiztime  
Joined October 2017

11 Following 28.9K Followers

Followed by Ignacio Rodríguez Reyna, Carlos Gonzales, and 84 others you follow

Posts Replies Media Likes

Pinned

**Verifcation Quiz Bot** @quiztime · Aug 10, 2018  
Welcome to the #Verification Quiz-  
Follow @quiztime for our verification quizzes (turn on notifications if you like)  
Schedule:  
MON - @bayer\_julia  
TUE - @LarsWienand/@kollege  
WED - @twone2  
THU - @trbrtc/@Sector035  
FRI - @fiete\_stegers/@dondude/@mahrko  
(+ see thread)

9 22 111



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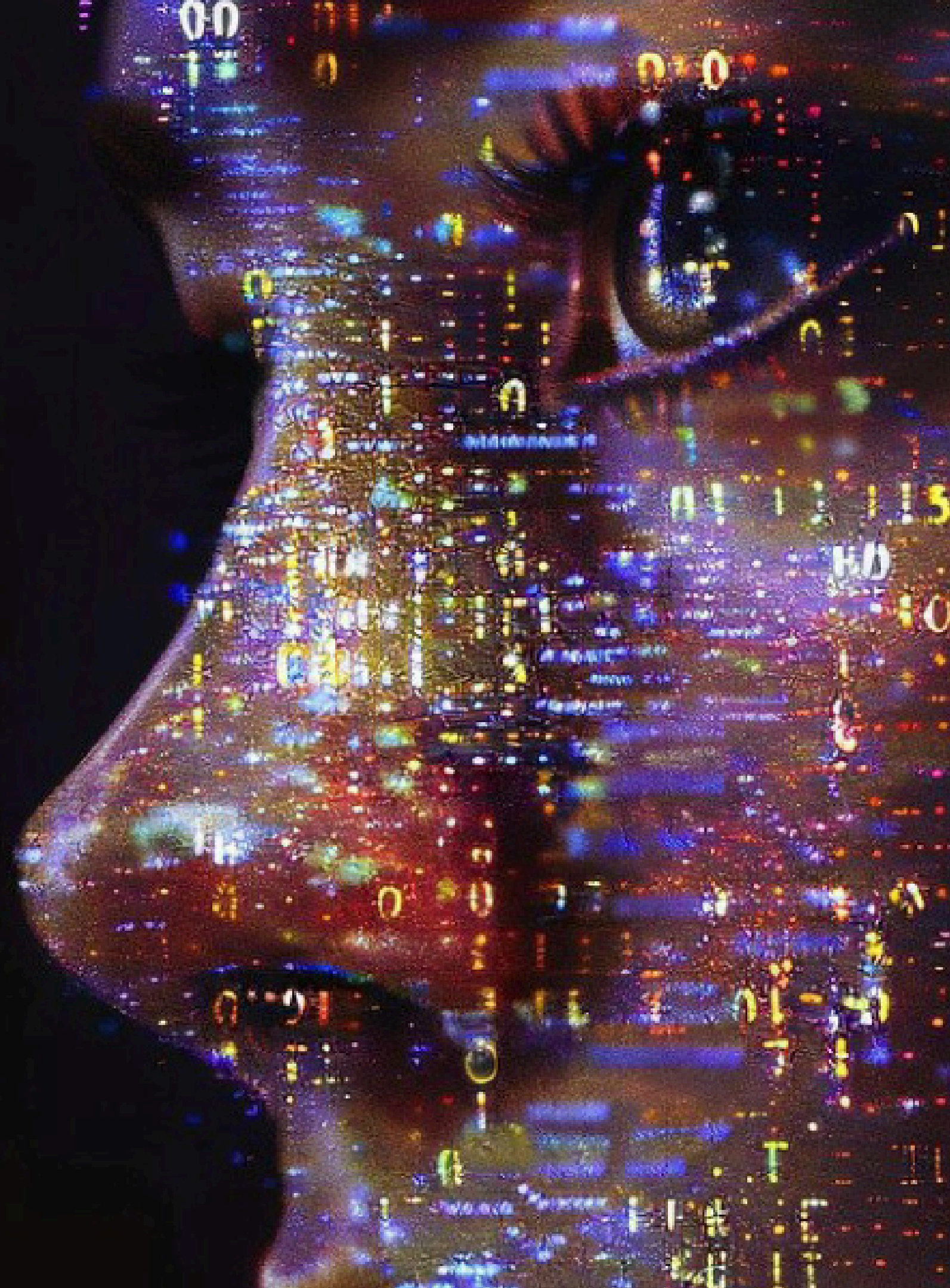
**HOME**

**FAQS**

**RANKS**

**RESOURCES**





# Investigaciones periódicas con OSINT

# ANATOMY OF A KILLING





COPUBLISHED WITH



BORDERS

## Desert Dumps

Europe supports, finances and is directly involved in clandestine operations in North African countries to dump tens of thousands of Black people in the desert or remote areas each year to prevent them from coming to the EU.

Funds for these desert dumps have been paid under the guise of “migration management” with the EU claiming that the money doesn’t support human rights abuses against sub-Saharan African communities in North Africa. Brussels claims publicly that it closely monitors how this money is spent. But the reality is different.

In a year-long investigation with the Washington Post, Enass, Der Spiegel, El País, IrpiMedia, ARD, Inkyfada and Le Monde, we reveal that Europe knowingly funds, and in some instances is directly involved in systematic racial profiling detention and expulsion of Black communities across at least three North African countries.



Our findings show that in Morocco, Mauritania and Tunisia, refugees and migrant workers, some of whom were on their way towards Europe, as well as people who had legal status and established livelihoods in these countries, are apprehended based on the colour of their skin, loaded onto buses and driven to the middle of nowhere, often arid desert areas.

PUBLISHED MAY 21, 2024 BY

May Bulman, Maud Jullien, Tomas Statius, Monica C. Camacho, Beatriz Ramalho da Silva, Jack Sapoch, Klaas van Dijken, Eman El-Sherbiny, Andrei Popoviciu, Halima Salat Barre, Sara Creta, Nissim Gasteli, José Bautista, Anthony Faiola, Imogen Piper, Joyce Lee, Peter Finn, Driss Rejichi, Salaheddine Lemaizi, Steffen Lüdke, Philipp Grüll, Erik Häusler, Thomas Eydoux, Asia Balluffier, Ljiselotte Mas, María Martín, Lola Hierro, Diego Stacey, Lorenzo Bagnoli, Paolo Riva, Fabio Papetti, Antonella Mautone, Matteo Garavoglia, Monika Bolliger, Lise Kiennemann, Anass Laghnadi, Julia Pascual, porCausa

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CONTACT  
Info@lighthousereports.com

VIDEO

# Visual Investigations

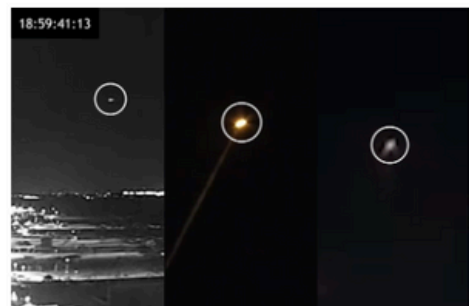
The Visual Investigations team combines traditional reporting with digital sleuthing and the forensic analysis of visual evidence to find truth, hold the powerful to account and deconstruct important news events. Sign up for [our e-mail newsletter](#).

[Send us a tip](#). Make sure to include 'Visual Investigations' in your message.

## Caught on Camera, Traced by Phone: The Russian Military Unit That Killed Dozens in Bucha

Exclusive phone records, documents, interviews and thousands of hours of video reveal how a Russian paratrooper unit killed dozens of people on one street in March.

June 29, 2023 · By YOUSUR AL-HLOU, MASHA FROLIAK, DMITRIY KHAVIN, CHRISTOPH KOETTL, HALEY WILLIS, ALEXANDER CARDIA, NATALIE RENEAU and MALACHI BROWNE



VISUAL INVESTIGATIONS

## A Close Look at Some Key Evidence in the Gaza Hospital Blast

A widely cited missile video does not shed light on what happened, a Times analysis concludes.

October 31, 2023 · By ARIC TOLER, HALEY WILLIS, RILEY MELLEN, ALEXANDER CARDIA, NATALIE RENEAU, JULIAN E. BARNES and CHRISTOPH KOETTL



## Israel knew a nearby Hamas base posed a threat, but it expanded anyway.

October 14, 2023 · By RILEY MELLEN and ARIC TOLER



## 'Everyone Died': How Gunmen Killed Dozens In Sderot

Videos filmed by residents in Sderot captured a grisly and indiscriminate shooting rampage by Palestinian gunmen in the town on Saturday.

October 16, 2023 · By ALEXANDER CARDIA, DMITRIY KHAVIN and DAVID BLUMENFELD

INVESTIGATIONS

# VISUAL FORENSICS

ISRAEL-GAZA WAR

## Mapping Israel's expanding battle for Rafah, a test of U.S. red lines

Israel's military confirmed it is operating in central Rafah. Videos and satellite imagery show forces pushing into populated areas, razing scores of buildings.

By Joyce Sohyun Lee, Jarrett Ley, Loveday Morris, Samuel Granados, Hazem Balousha and Hajar Harb · May 31, 2024

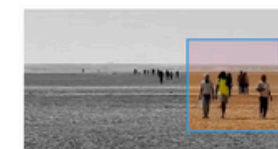


EUROPE

## With Europe's support, North African nations push migrants to the desert

Europe backs aggressive operations by governments in North Africa that lead to migrants being dumped in barren deserts, a joint investigation shows.

By Anthony Faiola, Imogen Piper, Joyce Sohyun Lee, Klaas van Dijken, Maud Jullien and May Bulman · May 20, 2024



## Despite warnings of violence at UCLA, police didn't step in for over 3 hours

Faculty had raised alarms in the days before the attack on pro-Palestinian protesters. That night, one witness called emergency services 11 times before police intervened.

By Jon Swaine, Hannah Natanson, Joyce Sohyun Lee, Sarah Cahian and Jonathan Baran · May 11, 2024



## Israel's offensive is destroying Gaza's ability to grow its own food

Israeli airstrikes and bulldozers have destroyed key parts of Gaza's food infrastructure, including agricultural land, olive and fruit trees, and greenhouses.

By Nilo Tabrizy, Imogen Piper and Miriam Berger · May 3, 2024



ISRAEL-GAZA WAR

## Iran expands public crackdown on women and girls, sparking public anger

The new wave of repression appears to be one of the most significant efforts to roll back perceived social gains in the aftermath of the 2022 protest movement.

By Susannah George, Nilo Tabrizy and Jonathan Baran · April 25, 2024



MOST READ NATIONAL >



1 Socialite gets 15 years to life for L.A. hit-and-run that killed 2 boys

2 Young Thug's attorney held in contempt, ordered jailed in Georgia case



3 A fish washed ashore in Oregon. It was a recently discovered species.



4 In Milwaukee public housing, a padlocked patio becomes a battleground



5 Shark bites injure 3 in Florida on the same day, in 'exceedingly rare' event



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**La US de Sevilla entrega sus Premios a la Divulgación Científica y a Trabajos de Especial Relevancia**



# Ejercicio



**LOCALIZA LOS ÚLTIMOS  
VUELOS REALIZADOS POR EL  
AVIÓN PRIVADO DEL  
CANTANTE MALUMA.**

- 01 Flightaware
- 02 Flightradar24
- 03 Radarbox24
- 04 Planefinder
- 05 ADSB exchange
- 06 Airport Webcams
- 07 [www.jetphotos.com](http://www.jetphotos.com), [www.planespotters.net](http://www.planespotters.net), y [www.airliners.net](http://www.airliners.net)
- 08 Términos básicos

Indicativo (call sign); registro (placa de matrícula), Número de Serie (Manufacturer Serial Number / MSN)

NEWS

## Repeated flights to Syria and Africa Russian journalists track the private jet supposedly used by 'Putin's chef'

12:01 pm, February 4, 2019 · Source: Meduza



A private jet with the tail number M-VITO at Pulkovo Airport in St. Petersburg on May 2, 2018

Anna Zvereva / Flickr (CC BY-SA 2.0)

In 2016, Alexey Navalny's Anti-Corruption Foundation identified a private jet likely used by catering mogul Evgeny Prigozhin and his family: a Raytheon

The M-VITO plane travels most often between Moscow and St. Petersburg. The aircraft's second favorite destination is Beirut (48 times in two years). *Novaya Gazeta* speculates that this was merely the usual layover for trips that ended in Syria or Africa. The jet was also tracked over Syria (21 times) and Egypt (27 times), and repeatedly near or over Libya. According to Kenya's news media, the plane has also visited Sudan and Chad.

*Novaya Gazeta* was unable to verify whether Prigozhin was aboard any of these flights. A source with access to registration records was able to confirm that the billionaire was present on just a single flight to Khartoum, the capital of Sudan, while accompanied by two supposed mercenaries working for the "Wagner" private military company. The newspaper links Prigozhin's possible trips to Africa with his reported business interests in the region (both mercenary work and mining operations).

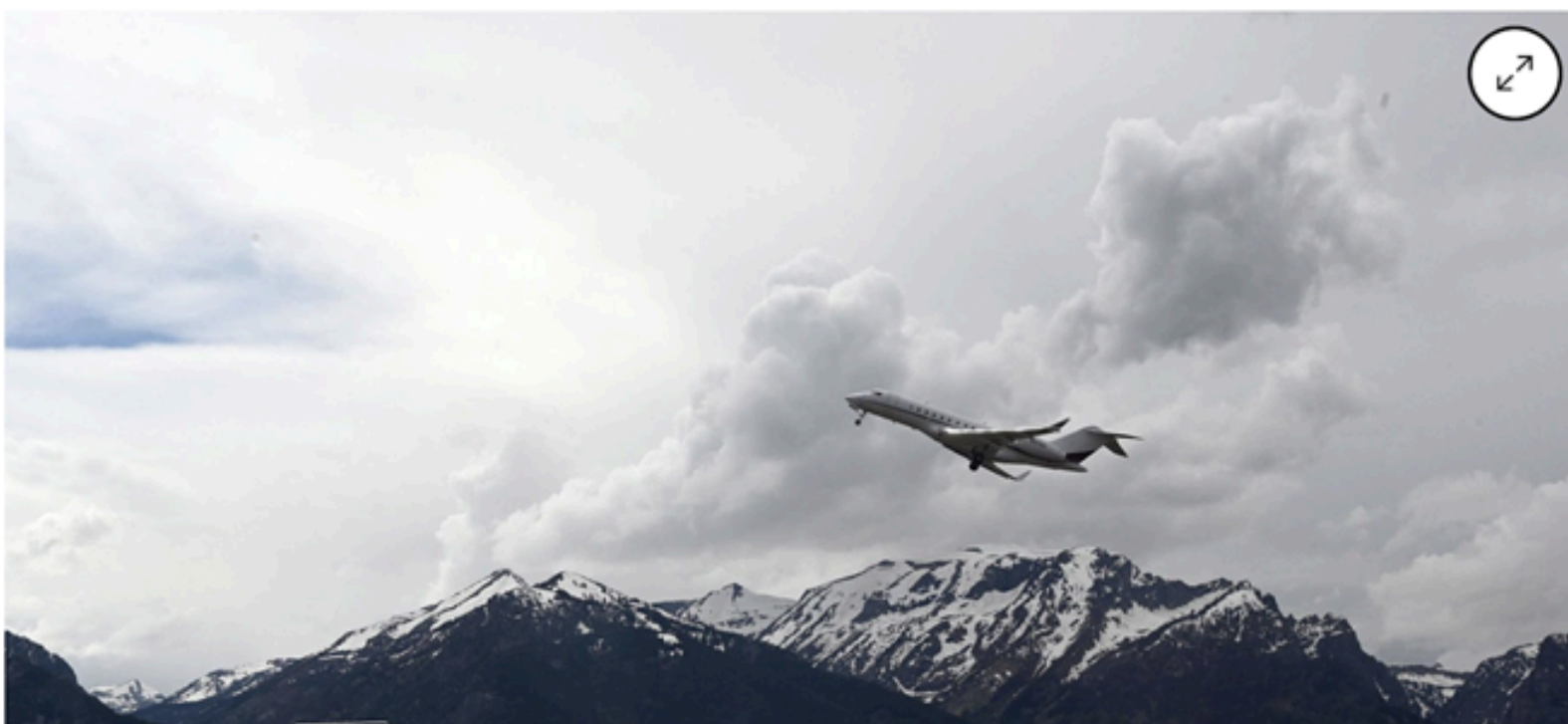
Twitter: @dadaIndll

■ 2 July 2019, 12:00 GMT+3

# Hedge Funds Are Tracking Private Jets to Find the Next Megadeal

● Where there's a plane, there's a data trail.

By Justin Bachman



There's some evidence that aircraft-tracking can be used to get an early read on corporate news. A 2018 paper from security researchers at the University of Oxford and Switzerland's federal Science and Technology department, tracked aircraft from three dozen public companies and identified seven instances of mergers-and-acquisitions activity. "It probably shouldn't be your prime source of investing information, but as a feeder, as an alert of something else what might be going on, that's where this work might be useful," says Matthew Smith, a researcher at Oxford's computer science department and one of the authors.

Twitter: @dadaIndll

¿Alguna pregunta?

