PANEL #4

PORTO
July 2024

IARIA Congress 2024 & DigiTech 2024

Theme: AI Literacy and Digital Pollution

CONTRIBUTORS

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Moderator

Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, United Kingdom

Panelists

Prof. Dr. Robert Laurini, INSA Lyon | University of Lyon, France
Prof. Dr. Silvia Figueira, Santa Clara University, USA
Dr Njideka Nto, the Medical Director of Mediclinic Dubai Mall, Dubai, UAE
Prof. Dr. Petre Dini, IARIA, USA/EU

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AI Literacy

To understand AI needs more effort that you might think

Basis in mere language obscures a likely lack of real information

“News is expensive, comment is cheap” - is AI all commentary?

Digital pollution

Unwanted information, recycled conspiracy theories

Wasteful computer usage: cost in extra use of oil and gas

Worse: AI generated computer products (not tested!)

It's Okay To Leave A Dog In A Hot Car / Fake Offensive Beatles Songs

Part of a series on The Beatles. [View Related Entries]

Origin

The earliest known instance was a screenshot of supposed song lyrics, then falsely attributed to Taylor Swif posted to Twitter by user @pixelatedboat on November 11th, 2017.[1] The post gained 6,500 retweets and 2 likes in 7 years (shown below).

On July 22nd, 2018, the lyric screenshot was reattributed to The Beatles, as shown as a text conversation screenshot posted to Reddit by user u/Walugii.[2] The post gained 1,500 points and 29 comments.

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Research agenda

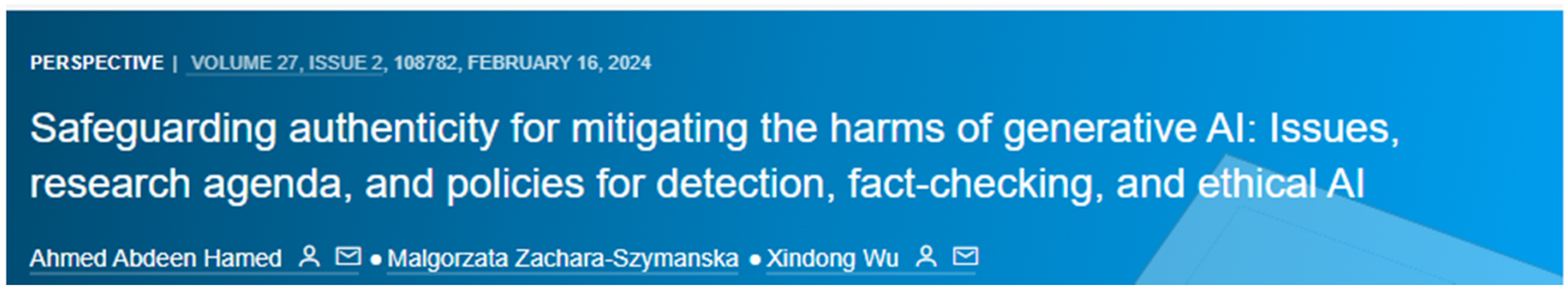
Bias built in: legal framework, funding, goals

Censorship: “unwelcome” topics, “unhelpful” conclusions

Effects of research tools on Research

Unconscious? bias: objectives, samples, conclusions

“Help” from AI tools with bias from social media, culture?



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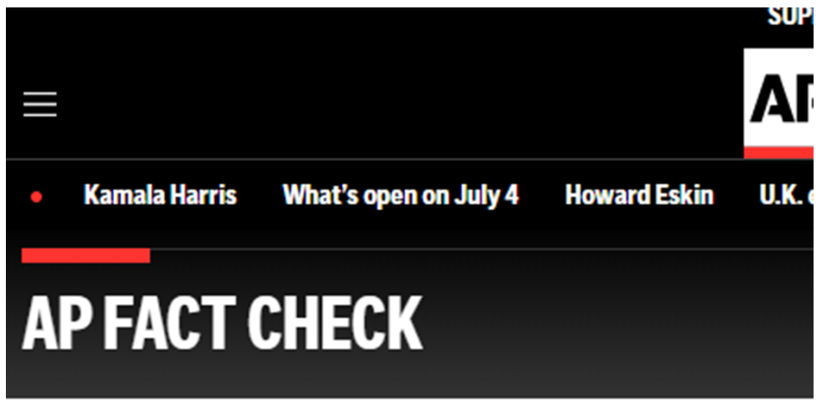
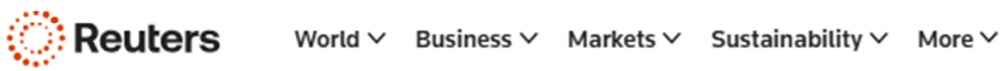
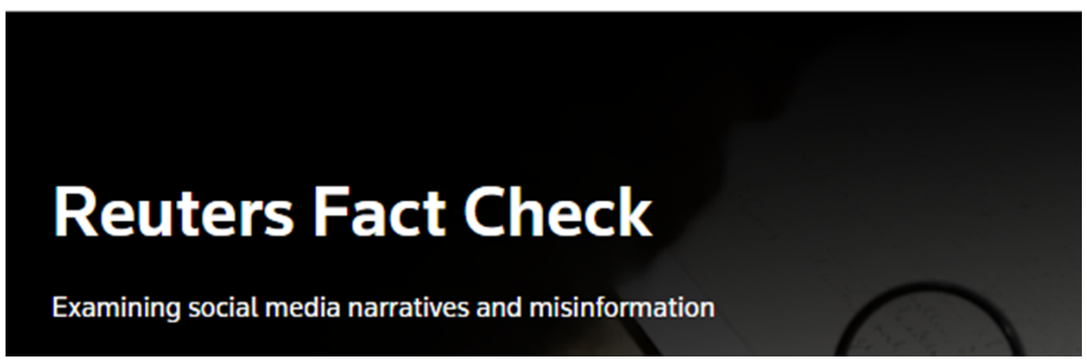
Fact checking







Cognitive Biases in Fact-Checking and Their Countermeasures: A Review

Panelist Position

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- AI Literacy and Digital Pollution
- Until now “European Computer Driving Licence (ECDL)”
- Now we must create an AI Driving licence
- More and more AI applications

Robert Laurini
University of Lyon, France
IARIA Fellow
KSI Fellow

Panelist Position

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Robert Laurini
University of Lyon, France
IARIA Fellow
KSI Fellow

- **AI Literacy**

- **Not all people have good command of English/main languages**
- **People whose languages have very small textual corpora**
  - **Finnish, Albanian, Fulani, etc.**

- **What could constitute the core of such an AI driving licence?**
  - **Skill, prompts, ethics, Truth/fake**

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Robert Laurini
University of Lyon, France
IARIA Fellow
KSI Fellow

- **Digital pollution**

- **Importance of electricity consumption, greenhouse gas effects**
  - **Social networks**
  - **Videos**
  - **AI**

- **Towards digital sobriety**

Panelist Position

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"Responsible AI is the only AI we need"

Prof. Yi Fang
Responsible AI Institute
SCU

Silvia Figueira
Santa Clara University

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AI Overload

Expectation

- AI needs to be everywhere

Reality

- AI can be very useful
- AI can be useless

Danger

- AI can be very harmful

Silvia Figueira
Santa Clara University

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AI Education

Generation AI

- Protecting children and young people
  https://www.unicef.org/innovation/stories/generation-ai

Academia

- AI^2: Artificial Intelligence x Academic Integrity
  https://www.scu.edu/engineering/ai2/

Industry

- Where should the investments go?

Silvia Figueira
Santa Clara University

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AI Literacy and Digital Pollution

Dr Njideka Nto
Mediclinic Dubai Mall

- **AI Benefits in Healthcare:** Early & precise diagnosis, personalized medicine, reduction in medical errors, improved outcomes, clinical decision support
- **AI Risks:** Data privacy violations, ethical concerns, biased data programming, paucity of transparent regulation, hypothetical risk of auto-dysregulated harm to humans, Misinformation
- **AI Literacy & Adoptions :** Training, Stakeholder involvement, Governing Principles & Regulatory frameworks
- **Pertinent thoughts for the future:** Safe & Ethical Implementation of AI, Digital Pollution Mitigation, Transparent regulations & Governance, Health & Digital Equity, Liabilities

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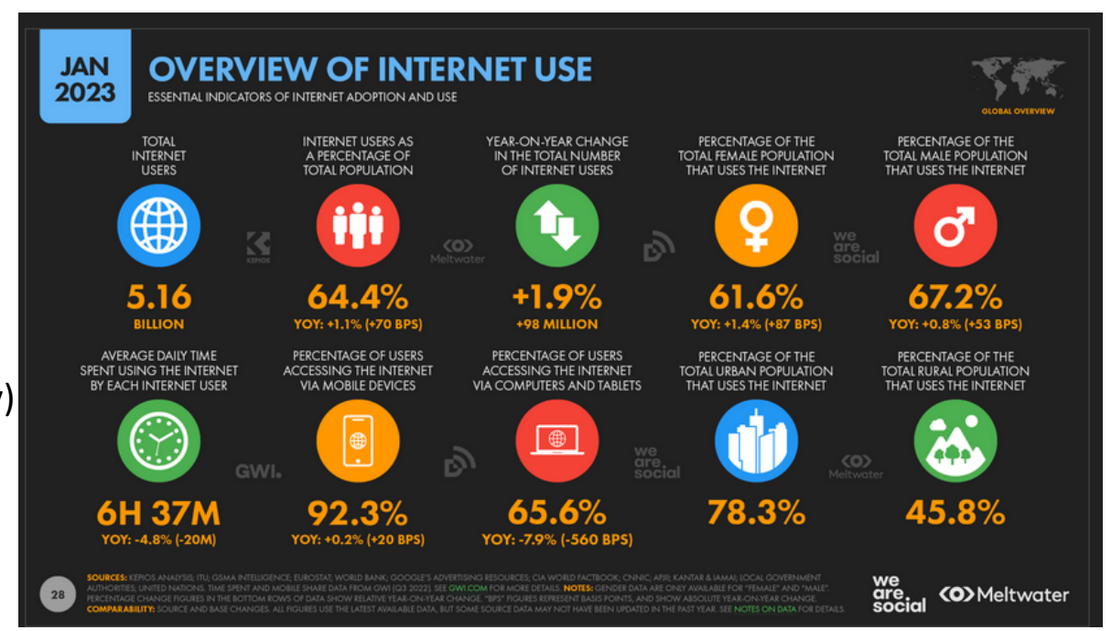
- **Gradual negotiation with the technologies around us - Tom Chatfield**
- **Environmental Remanence (Real vs Virtual)**
  - Brain and games
  - Immersion environments
  - VR-based recovery
  - VR-training
- **Co-evolving with Technologies**
  - Uninformed (Ignorance) and Informed (hesitation)
  - Human minds are literally extended into aspects of the environment surrounding them
  - Metaverse is training the AI-based tools with virtual models
- **The power of Digital**
  - Practicing, learning, trusting
  - Mental upgrade and digital acceptance (through Digital Literacy)
- **Digital Pollution**
  - Overwhelming
  - Addictions

Petre Dini
IARIA

https://datareportal.com/reports/digital-2023-global-overview-report



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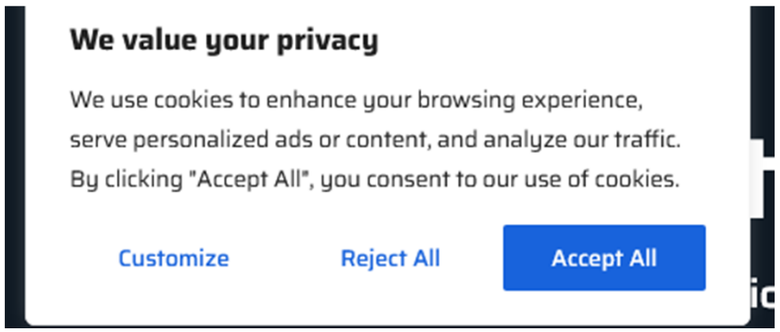
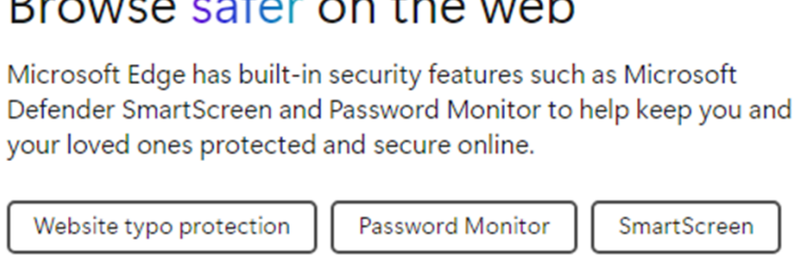
Learning and accepting the digital environment



Petre Dini
IARIA

Confirmation: Your Amazon.com order of .... was received.
Your Amazon.com order of ... .has shipped!
Delivered: Your Amazon.com order of ... has been delivered
Inquiry Your Amazon.com Inquiry
Customer satisfaction on order ...
We found something you might like
We wanted to let you know you left something in your cart
Need to hear from you today



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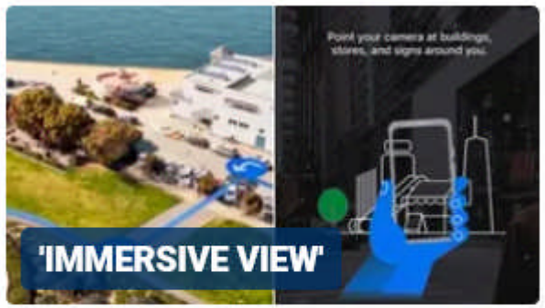
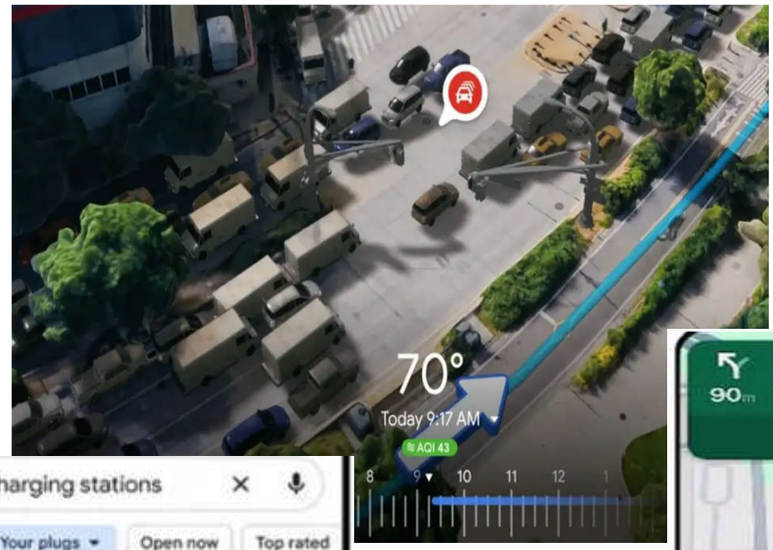


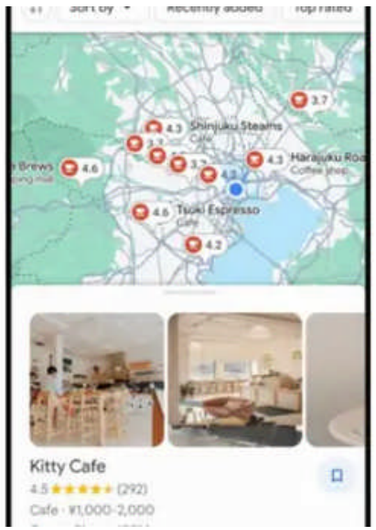
Google Maps getting major upgrade thanks to new trend taking world by storm

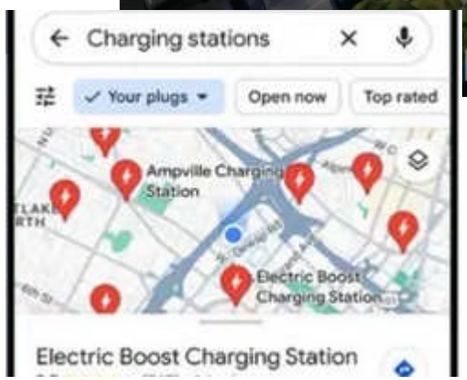
Google Maps gets a massive AI upgrade with 5 new features
The latest updates to Google Maps makes it smarter and more helpful
https://www.foxnews.com/tech/google-maps-gets-massive-ai-upgrade-5-new-features

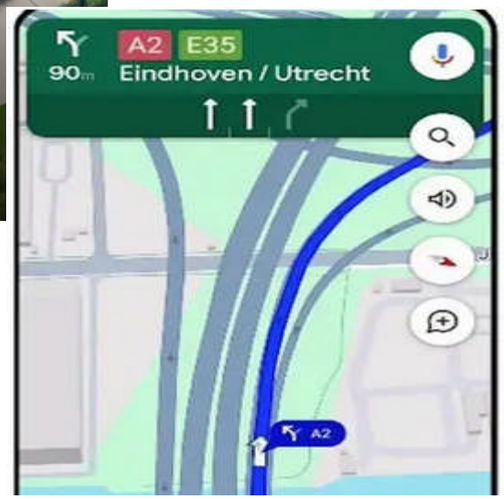


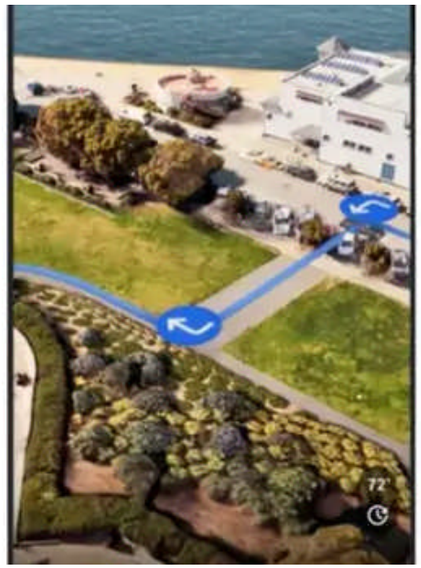
Petre Dini
IARIA

3D with Immersive View









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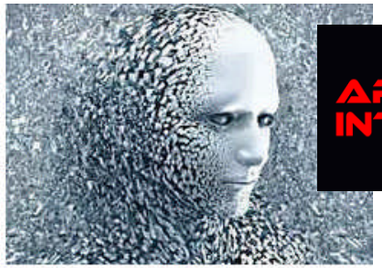
economictimes.com
https://m.economictimes.com › international › articleshow

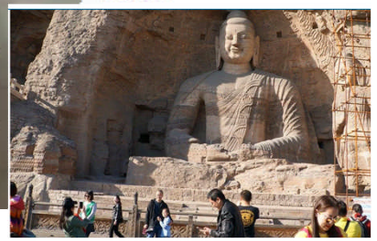
China's UNESCO-listed World Heritage site installs toilet timers.

https://twitter.com/i/status/1799877043598905349

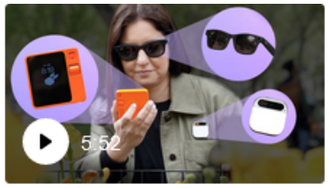
Yungang Grottoes in Datong city in Shanxi Province



Motley Fool Issues A.I. Buy Alert



Qvo vadis?



AI Is Coming to Gadgets. ' Want.

The Humane AI Pin, Rabbit R1 and Ray-Ba and put it in a dedicated gadget. WSJ's Joa illustration: Nayon Cho for The Wall Street J

AI Puts CIOs in the Spotlight, Right Next to the CEO

About 63% of U.S. technology leaders report directly to their chief executives, reflecting a record high driven by AI, according to a Deloitte survey.

By Belle Lin

June 12, 2024 4 min read

Rabbit R1: https://youtu.be/DVJL6LXgOE4
Humane's AI Pin: https://youtu.be/gMsQO5u7-NQ

https://www.wsj.com/video/series/joanna-stern-personal-technology/ai-is-coming-to-gadgets-theres-one-you-may-actually-want/6ABF6807-D4D5-4FD9-85D3-0F7047DEF0C0?mod=ai_videos_pos4
https://www.wsj.com/articles/ai-puts-cios-in-the-spotlight-alongside-the-ceo-efa2f9d2?mod=ai_news_article_pos3

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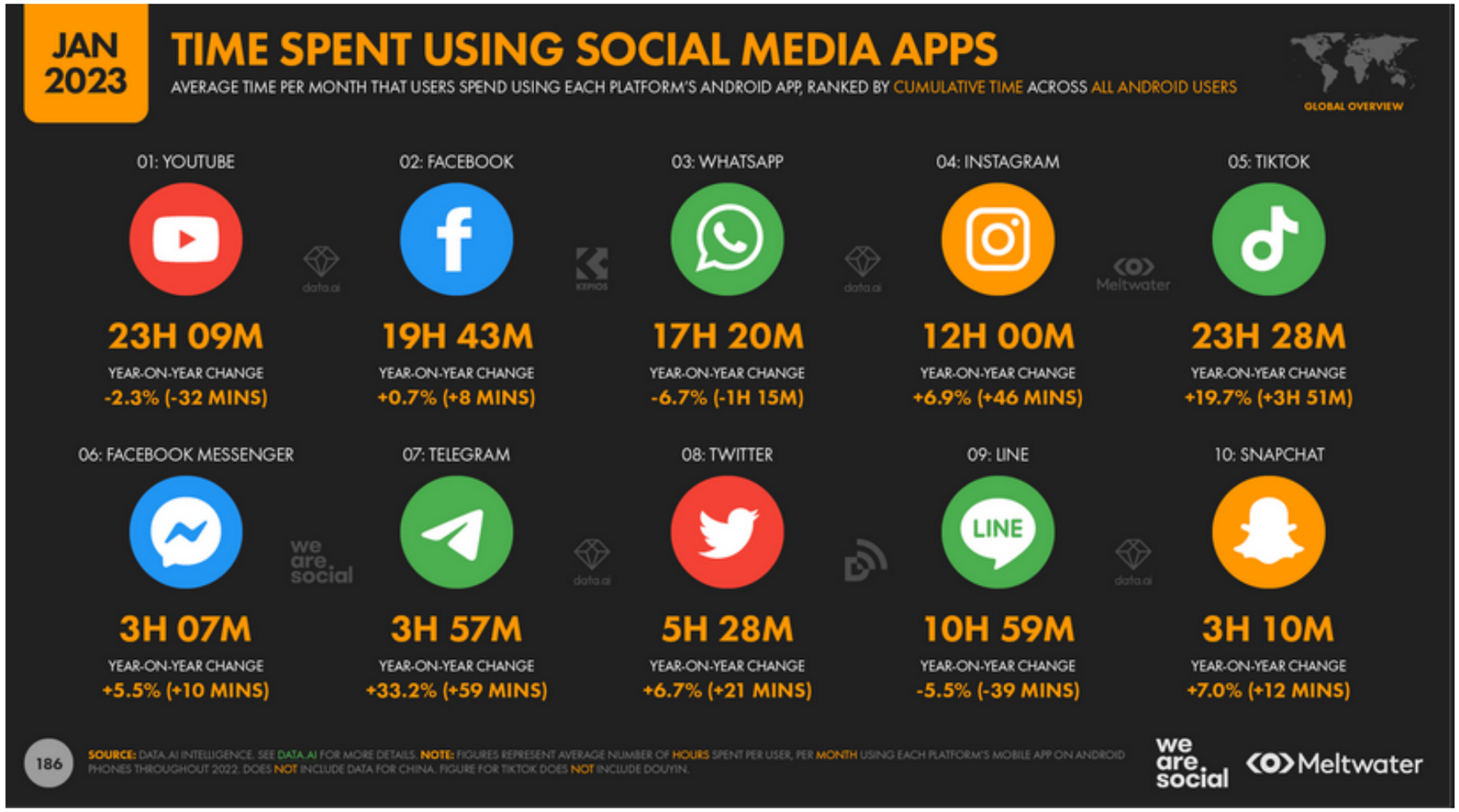
Addiction and patterns of use

https://datareportal.com/reports/digital-2023-global-overview-report



Petre Dini
IARIA

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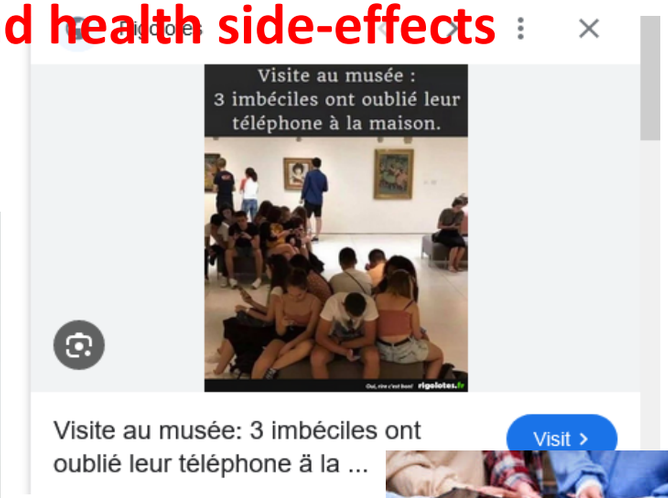
Addiction and health side-effects



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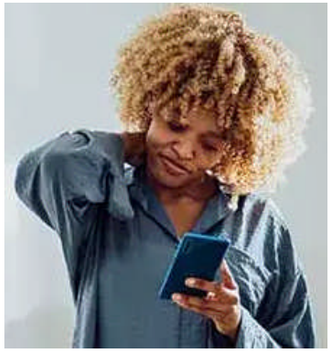
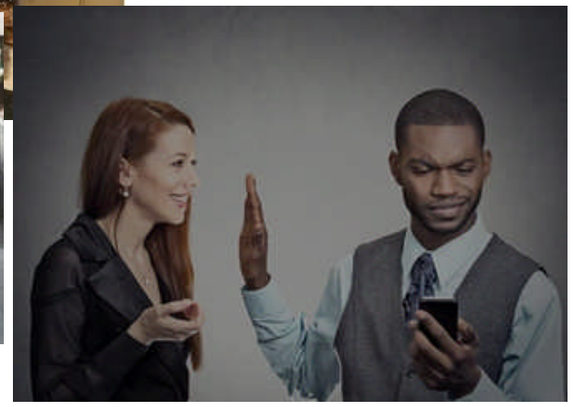
Text neck



Smartphone finger

Each hand is made of 27 bones, 35 muscles, and over 100 tendons connecting bones and muscles. Your flexor tendons bend your fingers, and tendons that straighten your fingers are called extensor tendons.



Adversities

- Becoming Mentally Lazy
- Light emitted from your mobile device's screen might just be messing up your sleep cycle
- It might affect vision (in progress studies)