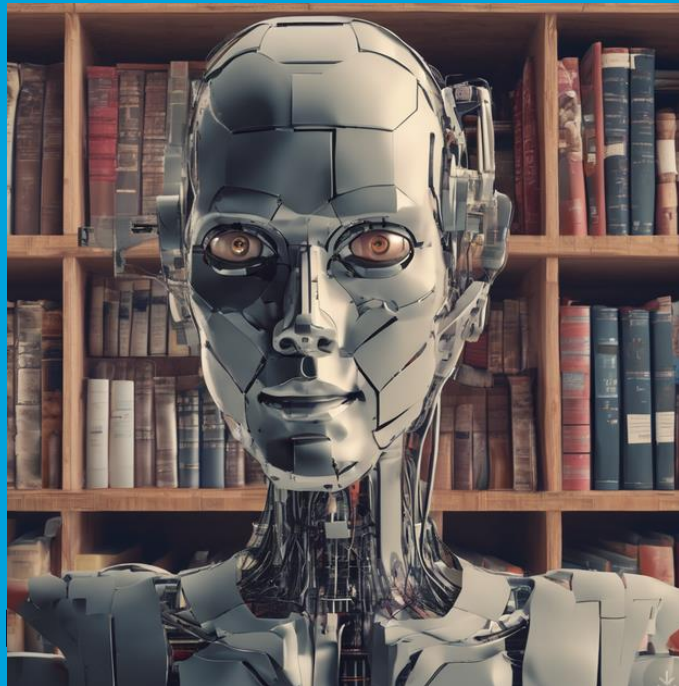
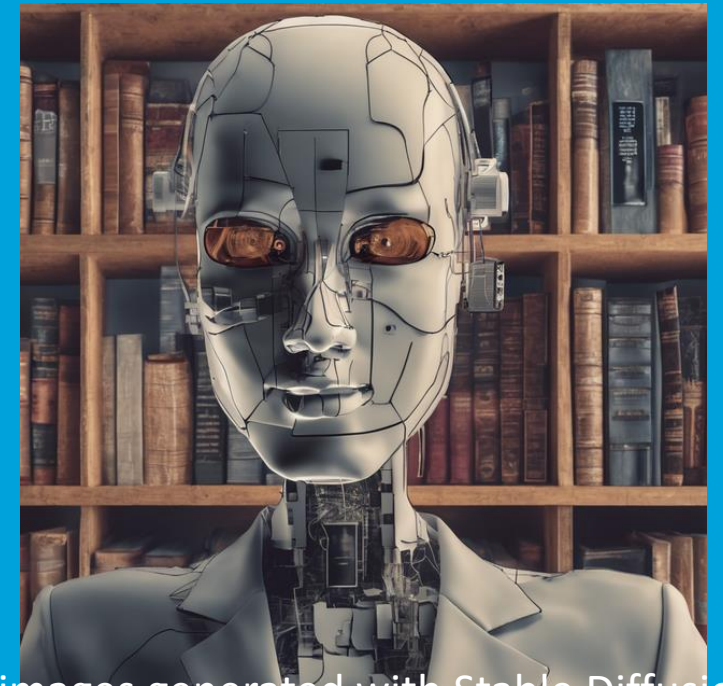


Disinformation, the age of AI and the relevance of information- and digital literacy



5th UM Symposium on Global
Citizenship Education
Anna-Lena Hoh
Maastricht University Library



AI images generated with Stable DiffusionXL

“The flood of precise information and brand-new amusements make people smarter and more stupid at once.”

*from Max Horkheimer, Theodor W. Adorno, & Gunzelin Schmid Noeri. (2002).
Dialectic of Enlightenment. Stanford University Press. Preface (1944 and 1947) in
May 1944*

Content

- Quiz
- Disinformation
 - In the age of AI
- The relevance of Digital and Information Literacy



AI image generated with Playground-v2.5

Quiz: real or fake?

POLITICS | GERMANY

Vitali Klitschko fake tricks Berlin mayor

06/25/2022

Berlin Mayor Franziska Giffey spoke for 15 minutes with a man posing as Kyiv Mayor Vitali Klitschko. But then the suspicion arose that her counterpart was a deepfake.



Kyiv Mayor Vitali Klitschko has confirmed that he is ready to speak with Franziska Giffey 'via his official channels'

Image: Maxym Marusenko/NurPhoto/picture alliance

Quiz: real or fake?



Quiz: real or fake?

Translation:
NS introduces
a Limburg
version of the
OV-fiets



Over NS / Nieuws /

NS introduceert Limburgse OV-feestfiets

02 mei 2024

Quiz: real or fake?

Opinie: Maastricht
“Mestreechs” voert
de UM

Opinie: Populistisch provincialisme en
doorgeslagen verengelsing op de
universiteit

Translation: Opinion:
People from
Maastricht think that
“Mestreechs” should
be the main language
at the UM



Engels voert de boventoon op de Universiteit Ma

René Gabriëls

Maandag 8 april 2024 om 16:00



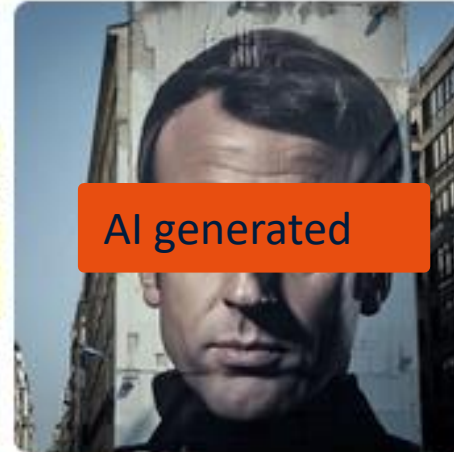
Engels voert de boventoon op de Universiteit Maastricht. — © ANP / Jean-Pierre Geusens

René Gabriëls

Maandag 8 april 2024 om 16:00

Quiz: real or AI?

Which image of graffiti art of French President Emmanuel Macron was AI-generated?



Quiz: real or AI?

Which image of former German Chancellor Angela Merkel was AI-generated?

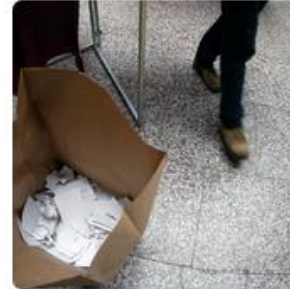


Quiz: real or AI?

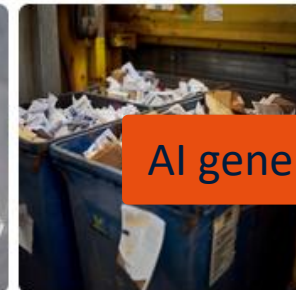
Which images of ballots in the trash were made using AI?

(Pick three.)

AI generated

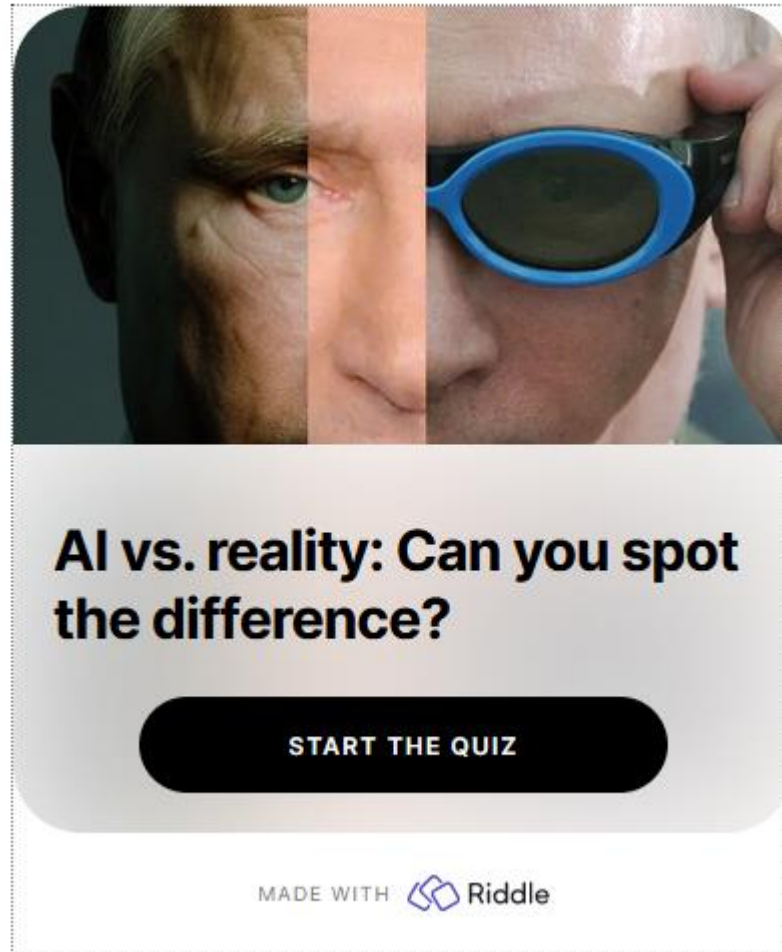


AI generated



AI generated

More examples:



- https://www.politico.eu/article/spot-deepfake-artificial-intelligence-tools-undermine-eyes-ears/?utm_source=Choice+eNewsletter+signup&utm_campaign=9a3fb3b0c3-LTI_Newsletter_041824&utm_medium=email&utm_term=0_7ef534065e-9a3fb3b0c3-538981934

- How did you recognize that something was fake?
- How do you evaluate online information?

One example for source evaluation

Evaluating Sources with CRAAP

C **Currency** - the timeliness of information
When was the information published or posted? Has the information been revised or updated? Is the information current or out of date? Are the links functional?

R **Relevance** - the importance of the information for your needs
Does the information relate to your topic or answer your question? Who is the intended audience? Is the information at an appropriate level? Have you looked at a variety of sources?

A **Authority** - the source of the information
Who is the author/ publisher/ source/ sponsor? Are the author's credentials or organisational affiliations given, and what are they? What are the author's qualifications?

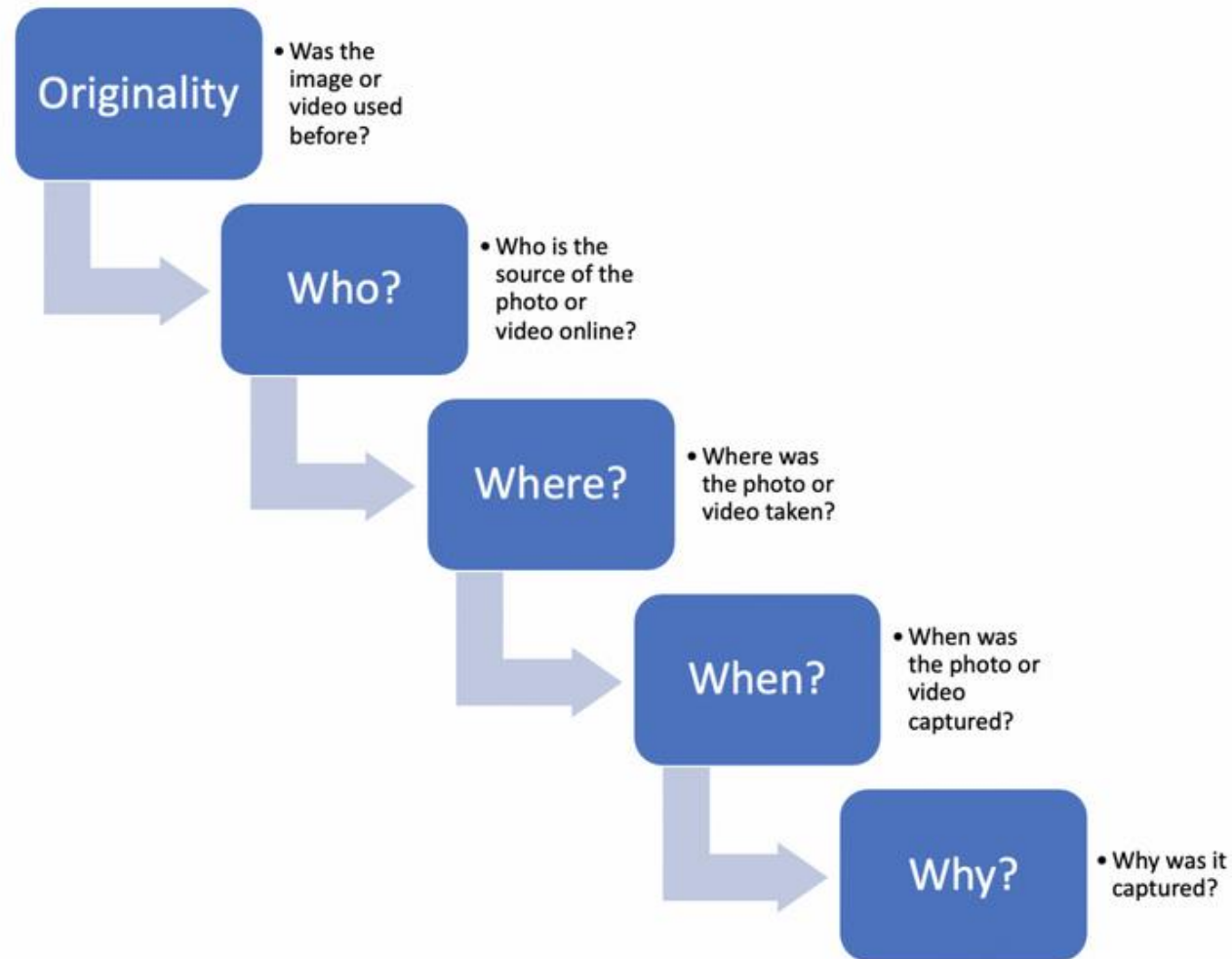
A **Accuracy** - the reliability, truthfulness, & correctness of the content
Where does the information come from? Is it supported by evidence? Has it been reviewed? Can you verify any of the information in another source? Does the language seem unbiased?

P **Purpose** - the reason the information exists
What is the purpose of the information? Do the author's sponsors make their intentions clear? Is this information fact/ opinion/ propaganda? Is it objective, impartial & unbiased?



A Beginner's Guide to Social Media Verification

bellingcat

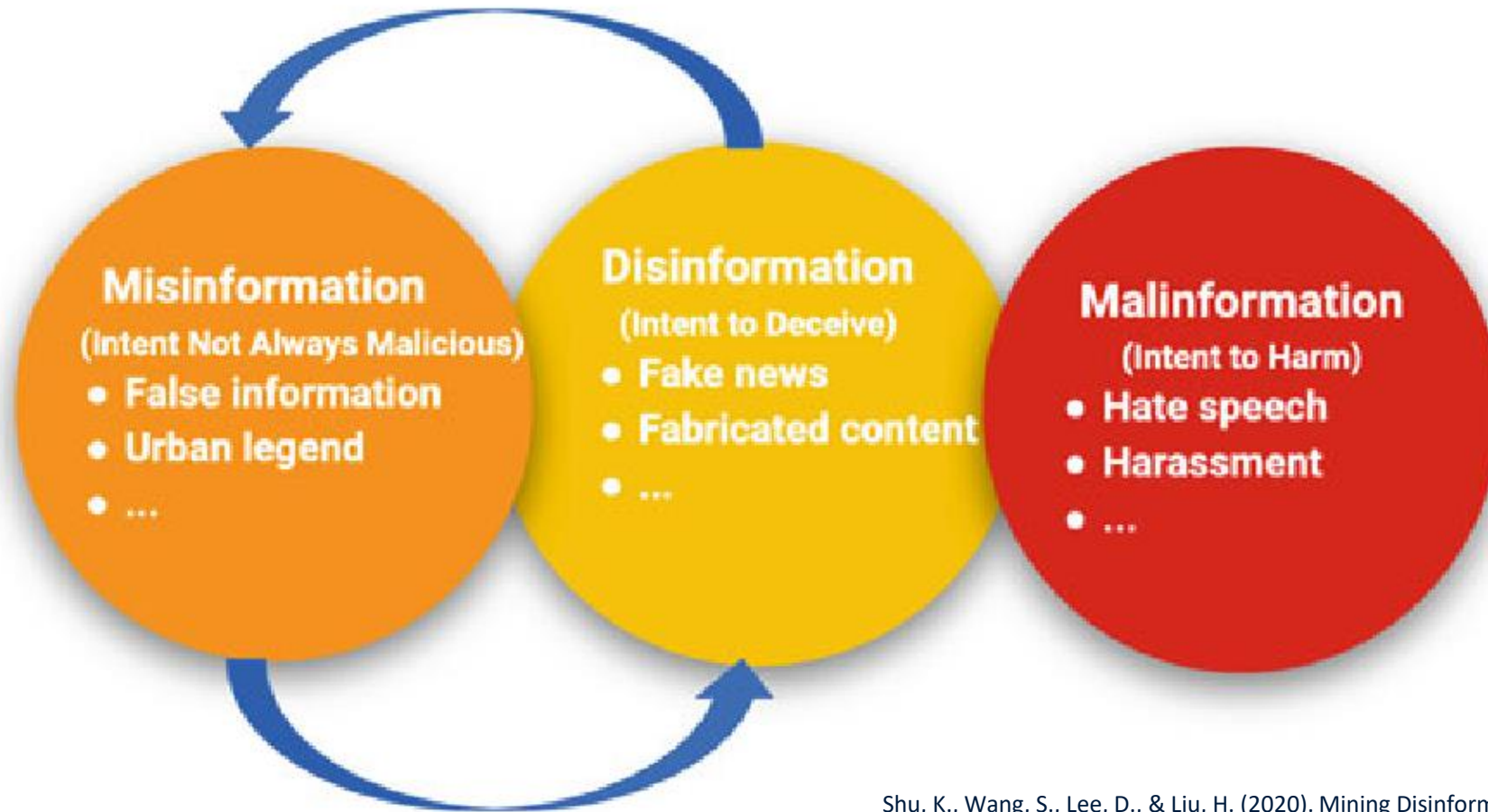


A verification checklist

<https://www.bellingcat.com/resources/2021/11/01/a-beginners-guide-to-social-media-verification/>

What is disinformation?

So, what is disinformation?



Shu, K., Wang, S., Lee, D., & Liu, H. (2020). Mining Disinformation and Fake News: Concepts, Methods, and Recent Advancements. In K. Shu, S. Wang, D. Lee, & H. Liu (Eds.), *Disinformation, Misinformation, and Fake News in Social Media: Emerging Research Challenges and Opportunities*. Springer International Publishing. (p. 3)

Is fake news a new phenomena?

- Great Moon Hoax in 1835
- Propaganda
- Satire



Example satire

<https://www.youtube.com/watch?v=OVv3ofeBnME>

And what about AI tools?

- **Botshit:** Chatbot-generated content that is not grounded in truth (i.e., hallucinations) and is then uncritically used by a human for communication and decision-making tasks (Hannigan et al. 2024).

And what about your experiences?

- Where do you get your news from?
- Have you come across fake news?
- What kind of fake news did you encounter?
- Do you know whether you have shared potentially fake news?

Information- and digital literacy

Information- and Digital Literacy:

Information literacy (ACRL, 2016):

- is the set of integrated abilities encompassing the **reflective discovery** of information, the **understanding of how information is produced** and valued,
- and the **use of information in creating new knowledge** and **participating ethically** in communities of learning.

Digital literacy:

- is the set of **knowledge, skills and critical attitude to navigate digital society** professionally and **ethically**,
- about the cultivation of an attitude to **remain knowledgeable, proficient and literate** with digital contexts, tools and skills.

Information Literacy

I need to cite and use references, avoiding plagiarism, and follow copyright legislation

I need to effectively use the information

Acknowledge

Apply

Evaluate

I need to critically evaluate the information

Find

I need to find useful evidence

Identify

I have to determine the extend of information needed

Digital literacy

General (academic) literacy

- Critical thinking, ethics and scientific integrity
- **Academic digital creation, collaboration and communication**
 - including Copyright
- **Digital learning, development and transformation**
 - General digital skills, Data analysis software, new technologies
- **Safety**
 - Cybersecurity, Data privacy, Wellbeing



Why are these relevant?

- We need to critically assess information and news
- Society is increasingly relying on technology, but how do we want to deal with technology?
- Critical thinking has been – and still is – one of the most important skills to have and to further develop

Examples:

- Workshop like this on disinformation and fake news
- Workshops and online modules on information literacy and digital literacy (in development)
- One example: workshop on Plagiarism and AI tools

How can digital- and information literacy be included in Global Citizenship Education?

- When looking for/evaluating (online-)information
 - When considering using digital technology (such as GenAI)
 - Others...
-
- For inspiration: University Library: Online modules & materials



[Home](#) > [Teaching staff support](#) >

Information Literacy

Based on a framework you will find several resources to improve information literacy skills, including online modules for self-study and/or use within the curriculum.

Besides information literacy, digital literacy becomes increasingly important. Digital literacy is the ability to navigate ethically and professionally in today's digital world, as well as to develop a critical mindset and staying up-to-date with digital technologies. Currently, the library is working on workshops and materials for digital literacy.

The library is also developing content for the responsible use of GenAI tools. Soon, our website will provide more details. However, if you already have inquiries concerning digital literacy, please get in touch with the library.

Wrapping up:

How do information- and digital literacy relate to your own study/work?

What are the main issues that you will take from this session?

Thank you very much!

If you want to know more, email me:
anna-lena.hoh@maastrichtuniversity.nl

