

Next-Generation Competencies for Digital Citizenship

Monica Palmirani, University of Bologna
International Camp, 14th-16th Sept. 2023
Santa Coloma



FASTLISA

Data and AI Society



Digital Citizenship

- to stay, to relate, to create, to participate, to decide

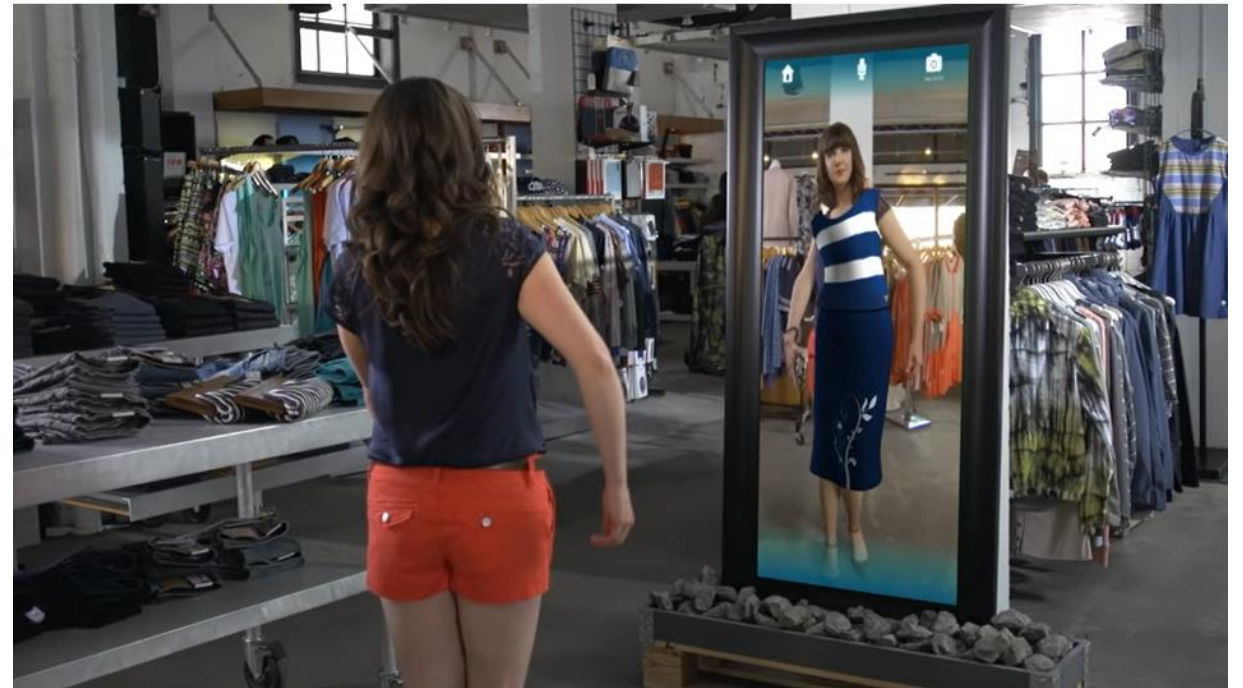


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Virtual/Augmented reality

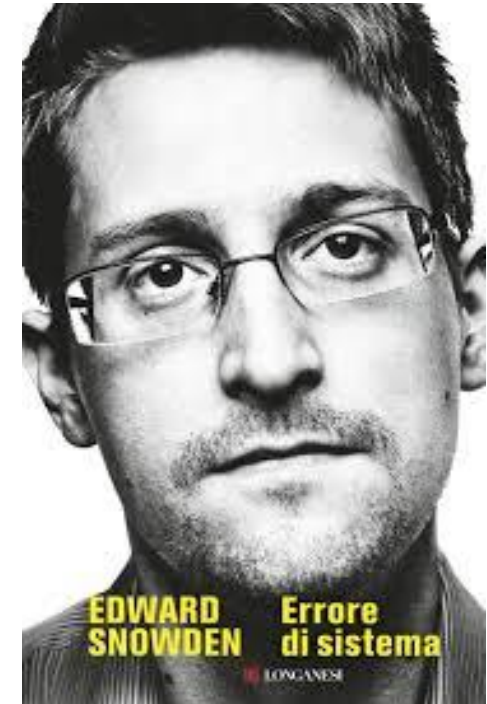
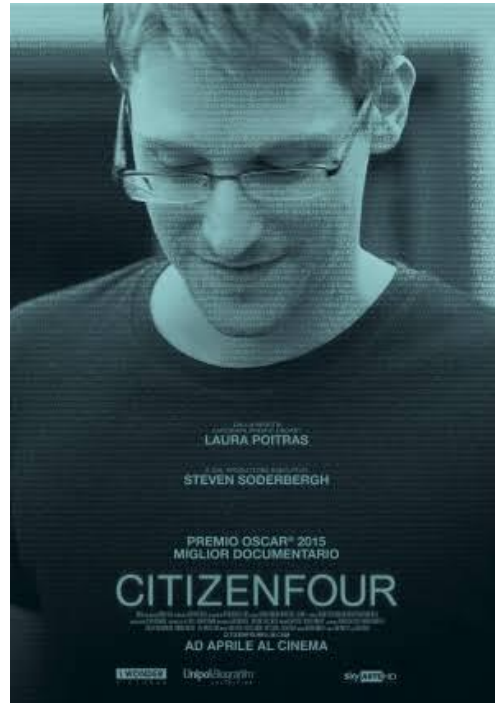


<https://youtu.be/Mr71jrkzWq8?t=64>



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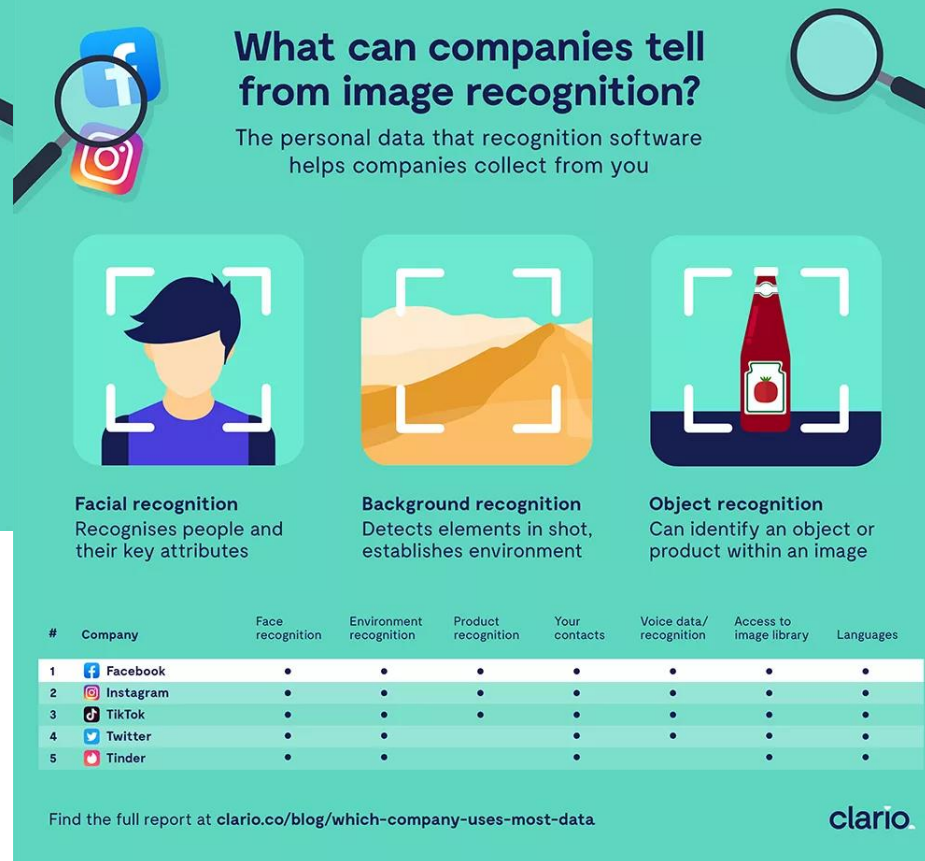
Big Data and Surveillance



Snowden ,
Oliver Stone, 2016

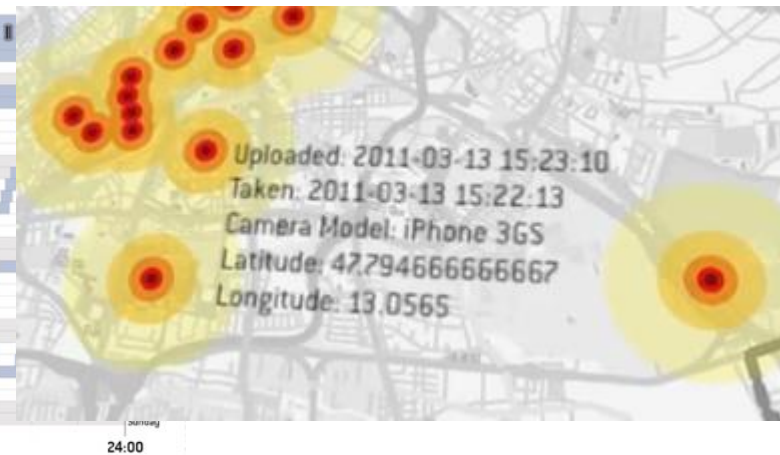
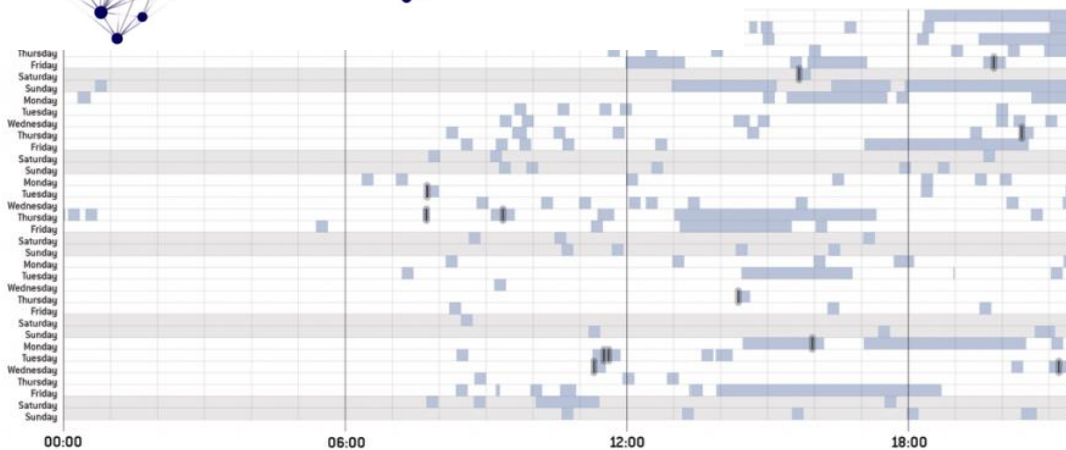
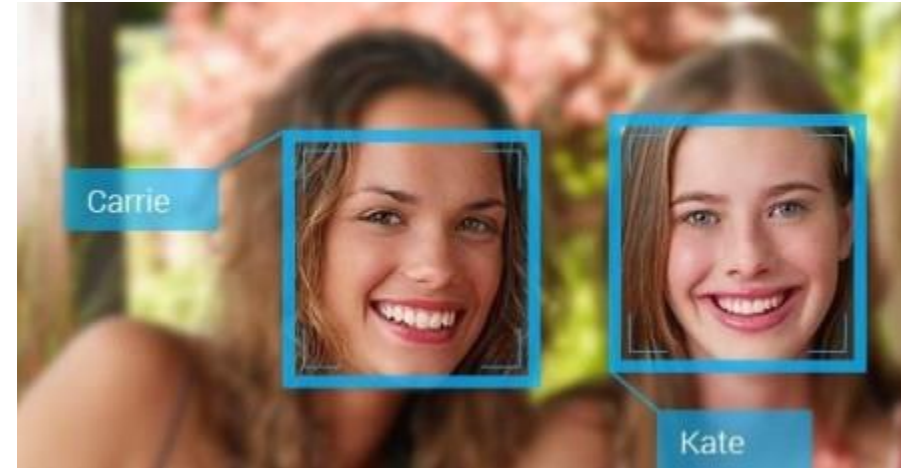
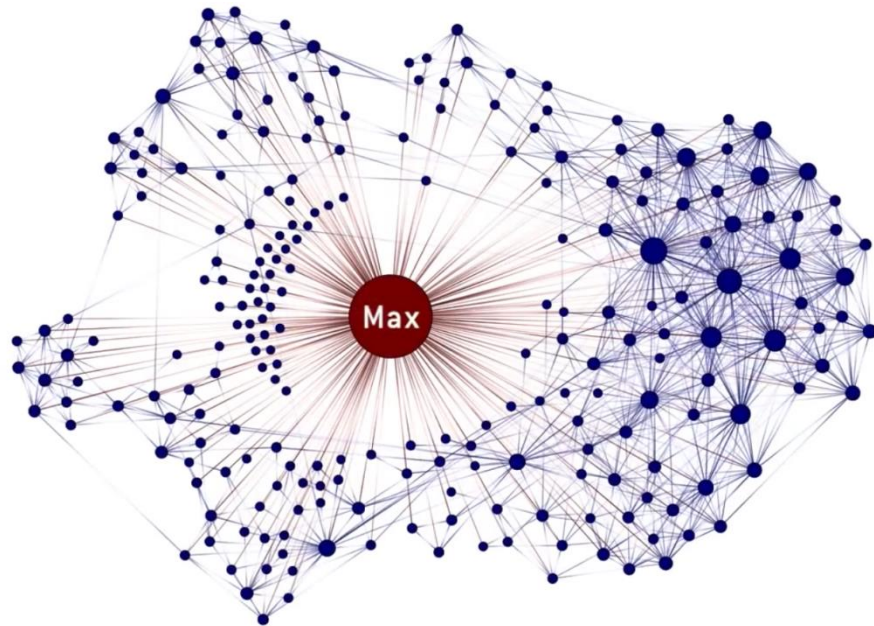


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Data defines your DIGITAL IDENTITY



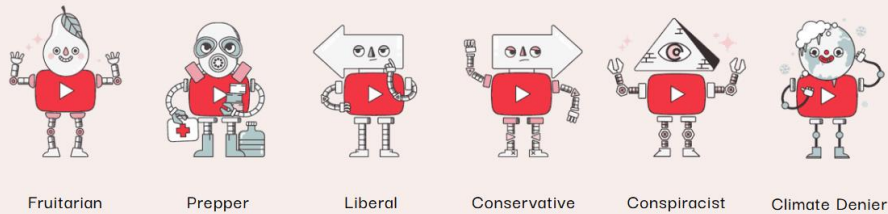
Beispiel: Wann war Max eingeloggt und wann schrieb er Nachrichten (schwarze Linien)
Example: When was Max logged in and when did he write messages (black lines)

Filter Bubble

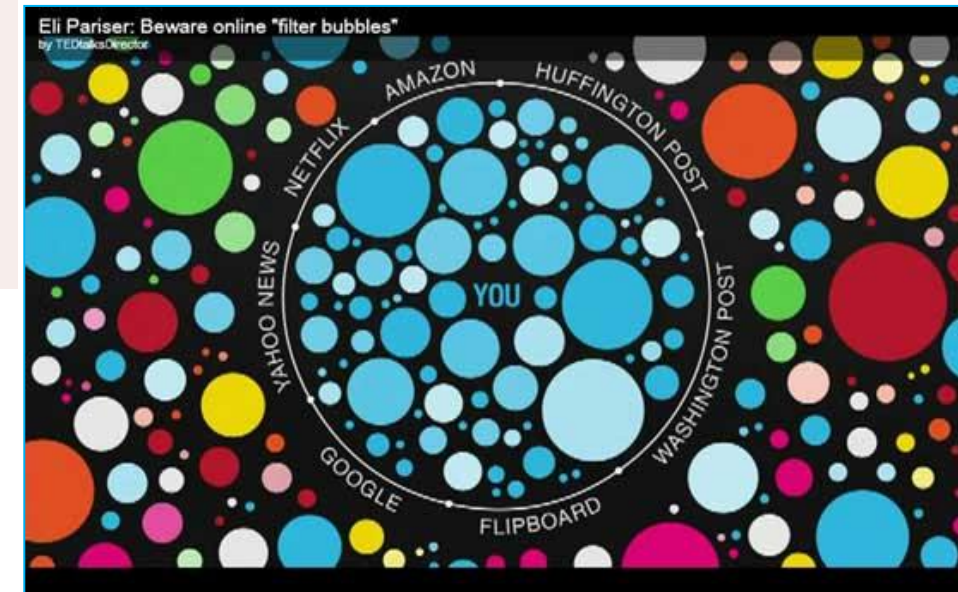
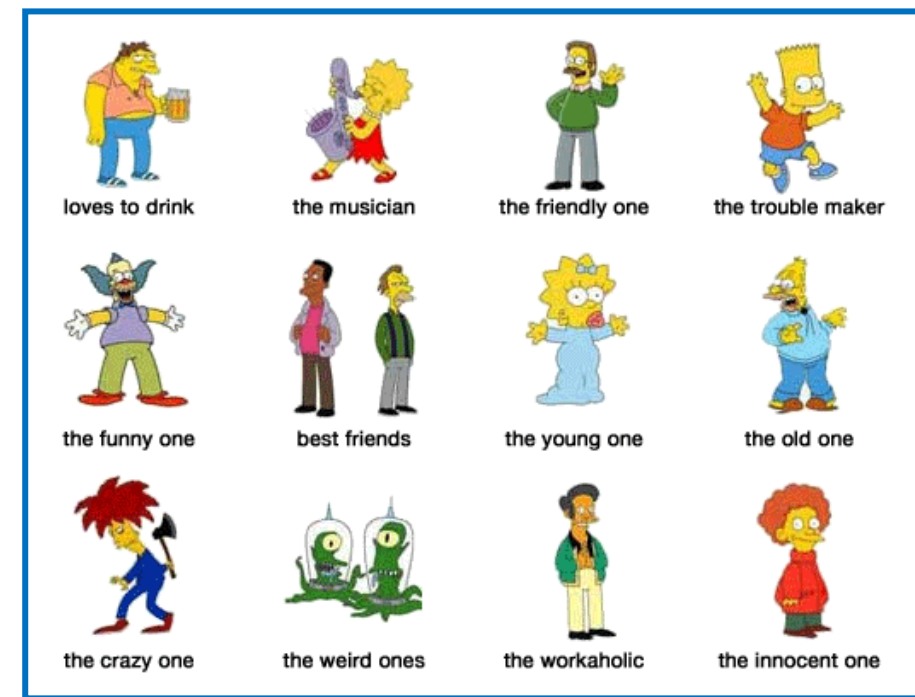
<https://www.their.tube/>



How do the recommended videos look on their Youtube home page?



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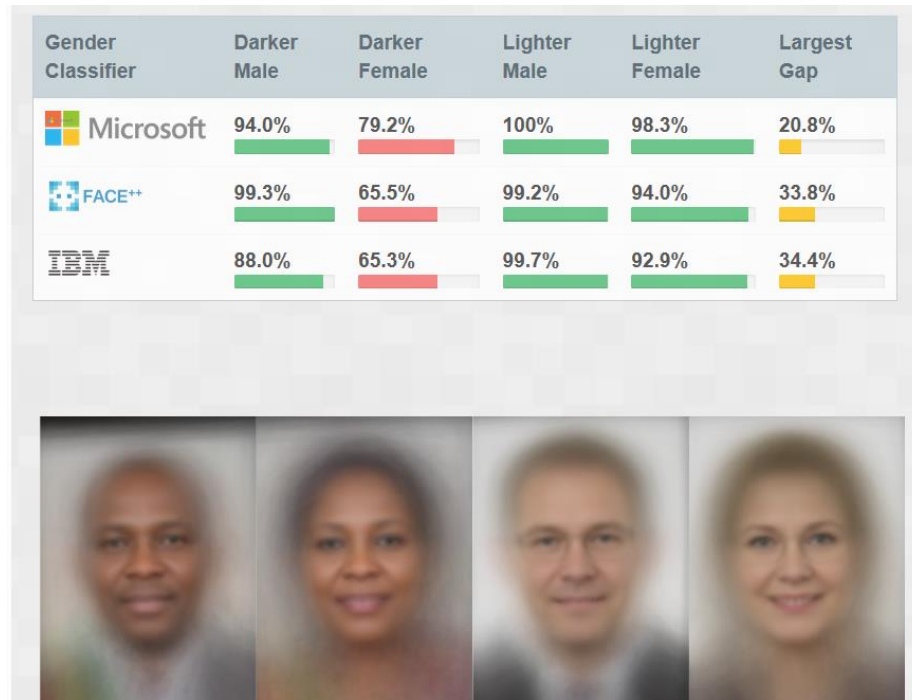


AI makes ERRORS some time not explainable



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Avoid Discrimination



<http://gendershades.org/>
Joy Buolamwini



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Bad data → Bad AI

[ABOUT](#)[INKBLOTS](#)[TEAM](#)[PRESS](#)[CONTACT](#)

We trained Norman on Reddit, and compared captions with standard image captioning neural network.
Here is what both AIs see on Rorschach's inkblot tests.

CAPTIONS BY NORMAN AI

INKBLOT #1

Norman sees:

“A MAN IS ELECTROCUTED
AND CATCHES TO DEATH.”



CAPTIONS BY STANDARD AI

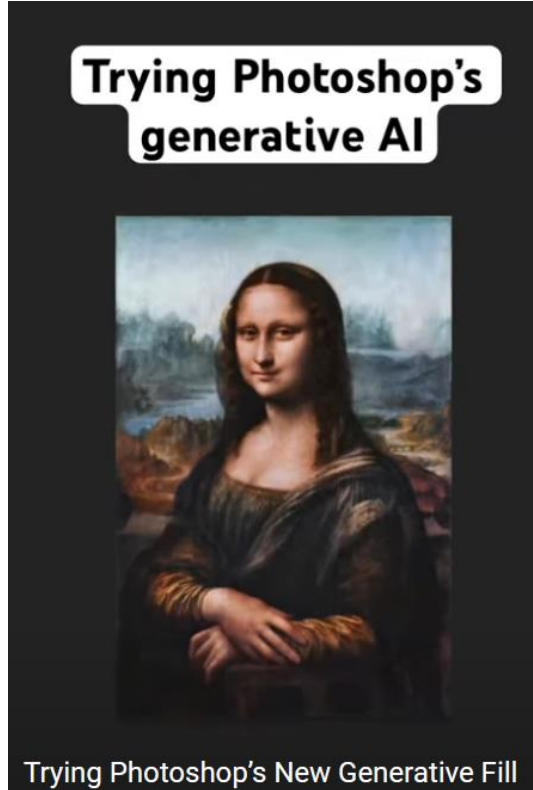
INKBLOT #1

Standard AI sees:

“A GROUP OF BIRDS
SITTING ON TOP OF A
TREE BRANCH.”



Generative AI

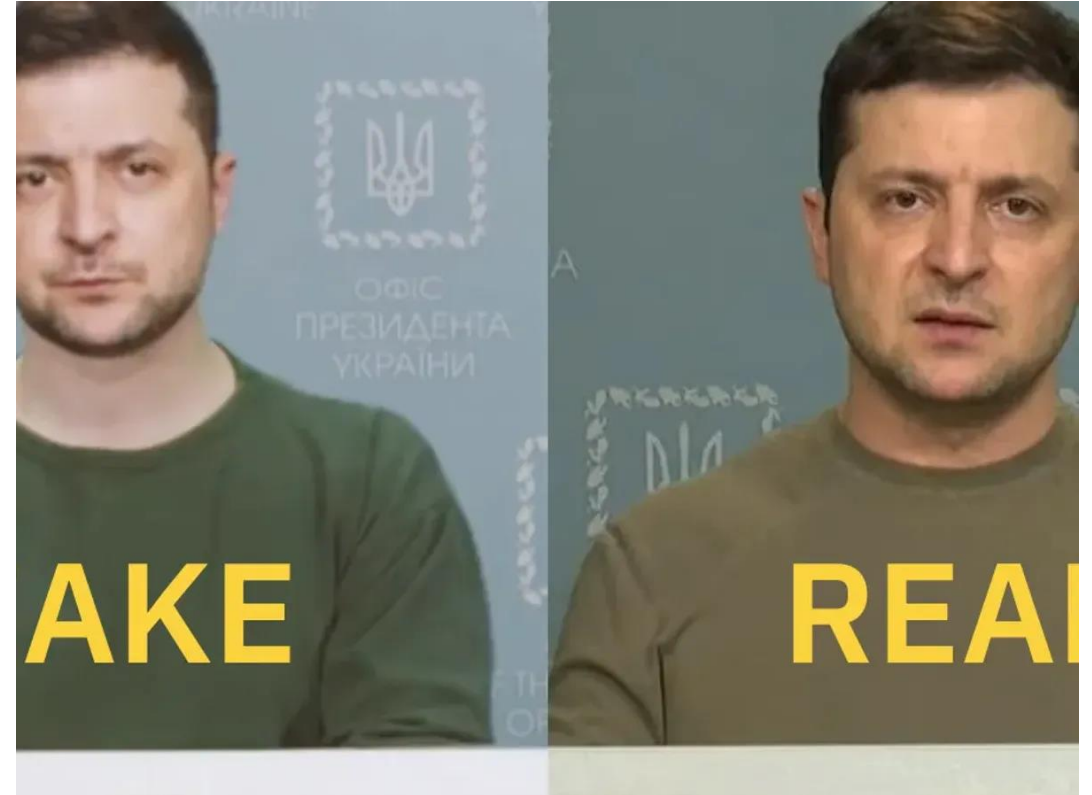


<https://www.youtube.com/shorts/0B2l4wgA-uQ?feature=share>



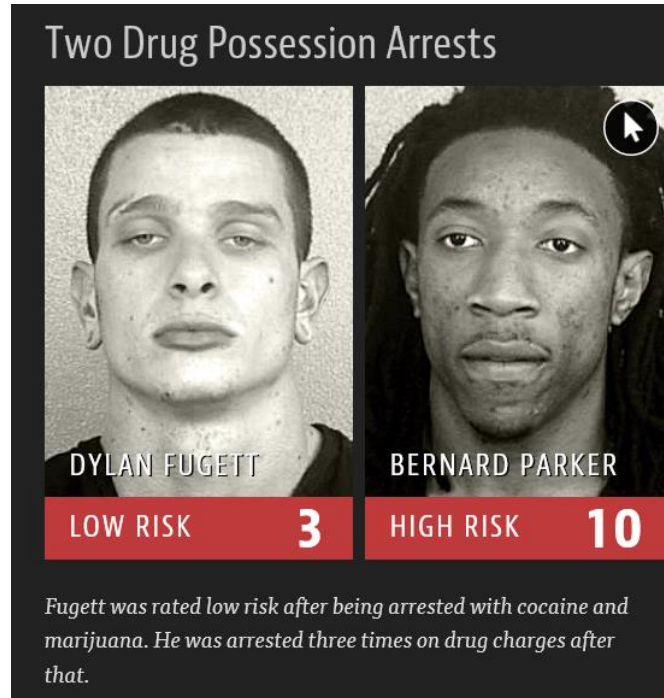
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Deep fake



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Protect Rights



“In Arizona, Colorado, Delaware, Kentucky, Louisiana, Oklahoma, Virginia, Washington and Wisconsin, the results of such assessments are given to judges during criminal sentencing.” *ProPublica*

Prediction Fails Differently for Black Defendants		
	WHITE	AFRICAN AMERICAN
Labeled Higher Risk, But Didn't Re-Offend	23.5%	44.9%
Labeled Lower Risk, Yet Did Re-Offend	47.7%	28.0%

<https://www.propublica.org/article/machine-bias-risk-assessments-in-criminal-sentencing>



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Protect Personal data



The Ovia App Family



fertility



pregnancy



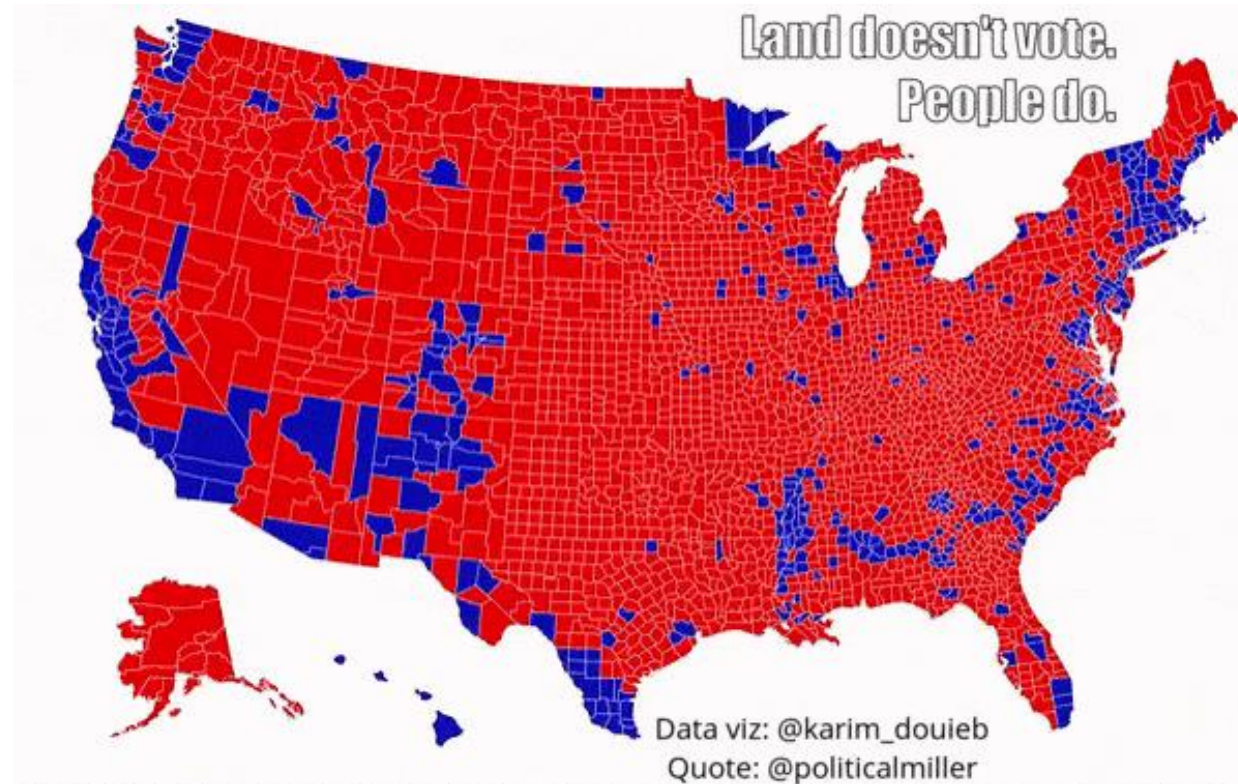
parenting

Inchiesta del **The Washington Post**
Dati condivisi con
datori di lavori e
assicuratori



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Freedom and Democracy



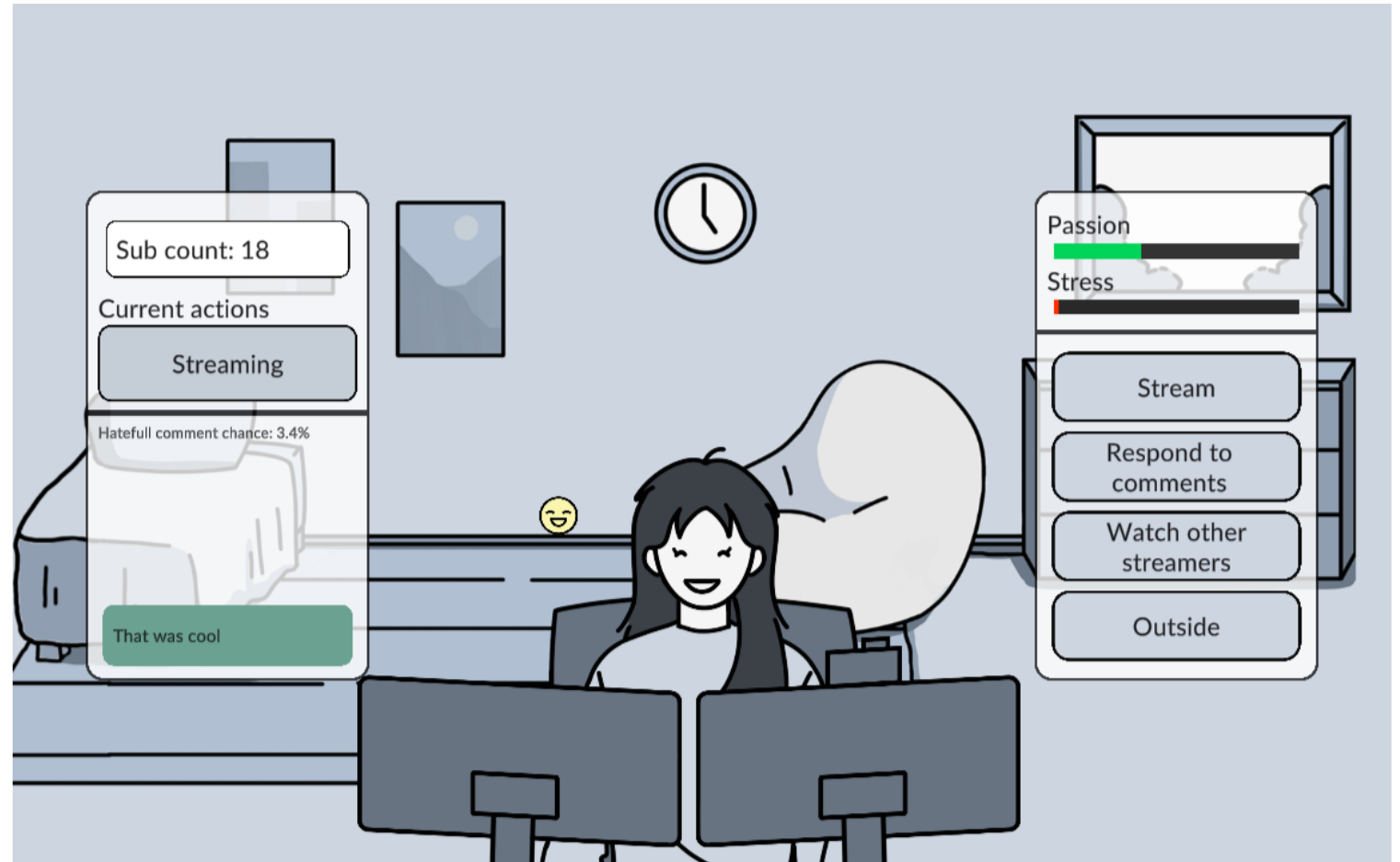
<https://eu.usatoday.com/in-depth/graphics/2020/11/10/election-maps-2020-america-county-results-more-voters/6226197002/>



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Gamification fighting hate speech

<https://www.playyourrole.eu/youtuber-simulator/>



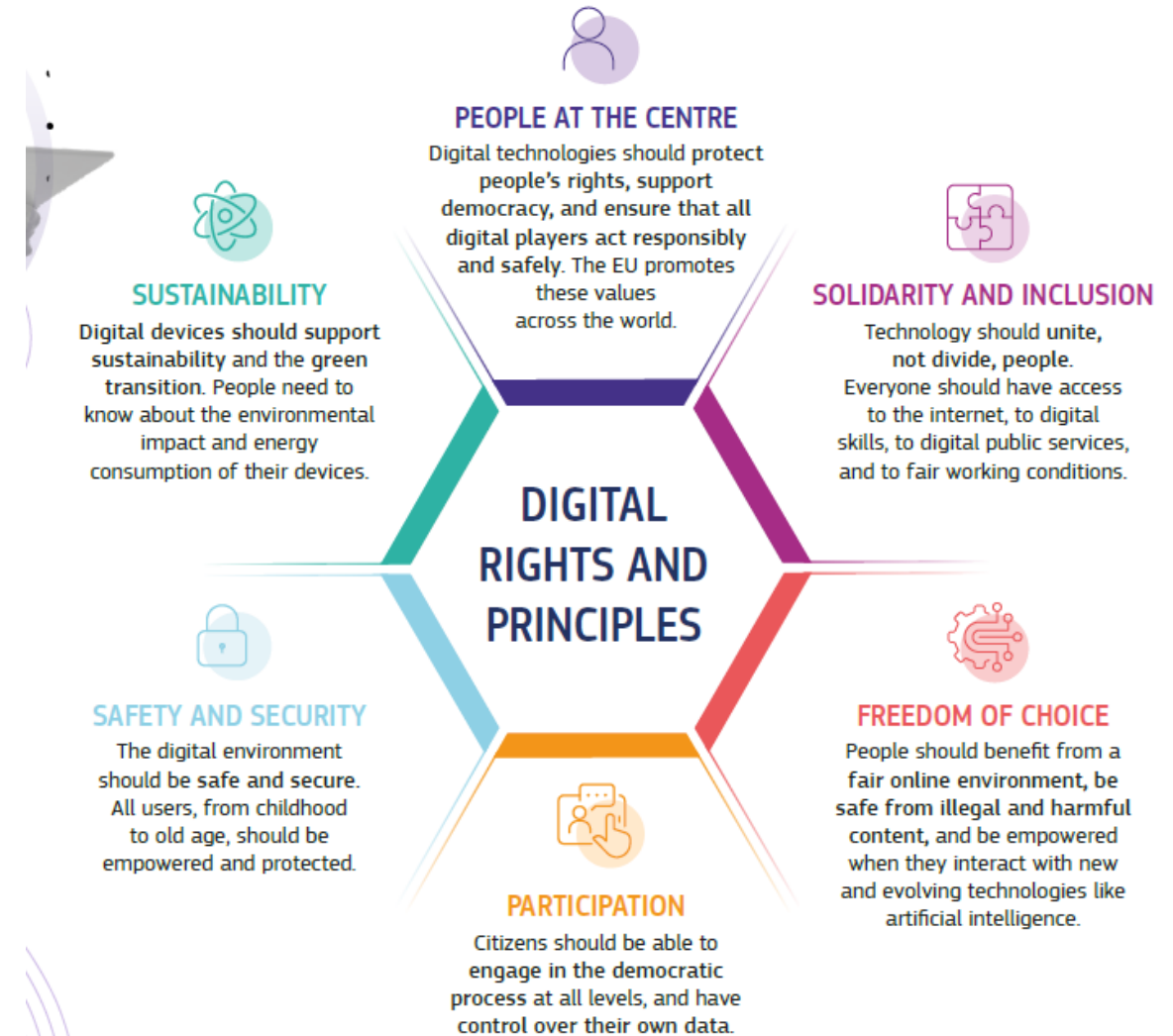
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YoutuberSimulator



European Data Strategy



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NextGenerationEU

Make it Green



Make it Strong



Make it Healthy



Make it Digital



Make it Equal



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**Critical
Thinking**



**Digital
Search
Skills**



**Internet
Safety**



**Digital
Plagiarism**



**Digital
Literacy**

**Online
Identity
Management**



Be ready to become **Digital Citizen** for protecting data, rights, people, institutions, society, environment and make the **world better**

DAY 6
16/10/2021

IDEA LAB

DIGITAL CITIZENS
YOUTH PARTICIPATION IN DIGITAL ERA

Erasmus+

INTRODUCTION

PARTICIPATION FRAMEWORK

DIGITAL PARTICIPATION

E-PARTICIPATION

DIGITAL COMPETENCIES FOR PARTICIPATION AND TOOLS

NEED

AIM/GOAL

ACTIONS

DIGITALITY

11-18 October 2021 | Wrocław Poland | Erasmus+ Programme Youth Workers Mobility | www.idea.labdrg.eu



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Partners



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