



CULTURAL AUTOMATION WITH MACHINE LEARNING

SESSION 02: INTRODUCTION PART II

Parag K. Mital
UCLA DMA

gettyimages
EVALENE ABREU

IS MACHINE LEARNING / AI HARMFUL?

COPYRIGHT

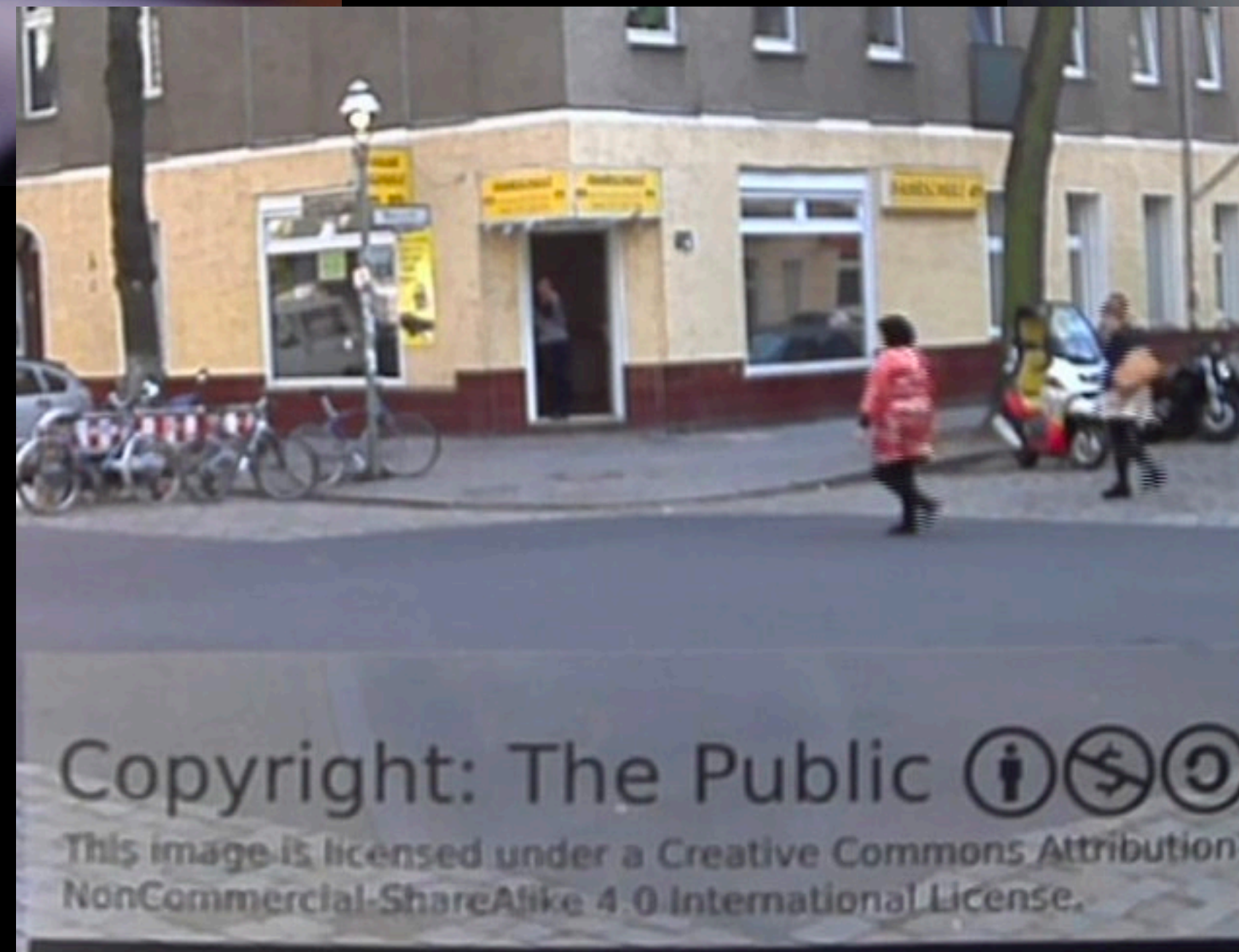
What is Copyright Infringement?

Pharrell Williams
Happy (YouTube Smash Up)

Parag K. Mital, YouTube Smash Up (2010-2013)

Copyright Keywords

- Licenses
- EFF
- Creative Commons
- Aaron Swartz
- Copyleft
- Lawrence Lessig

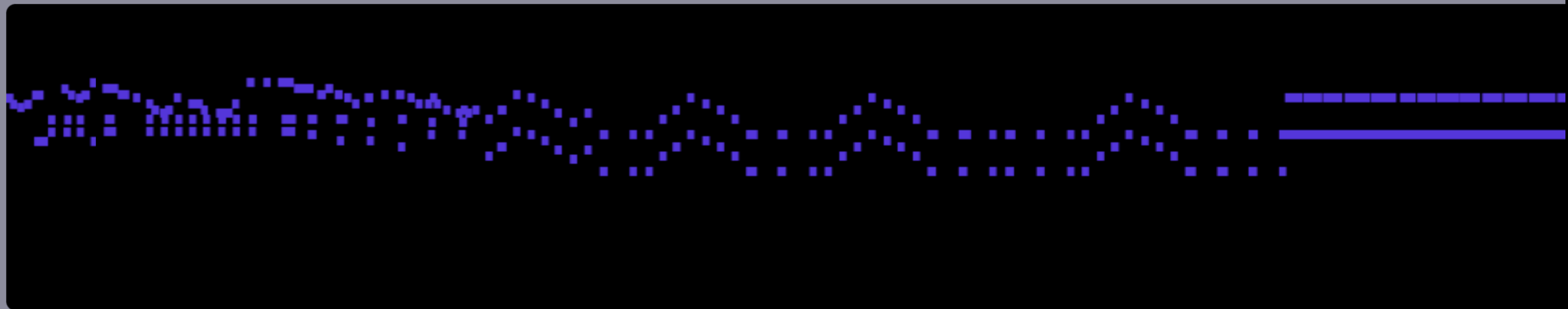


<https://julianoliver.com/output/public-patch.html>



<https://www.nextrembrandt.com/>

Compose in the style of Lady Gaga -
starting with Mozart's Rondo alla Turca -



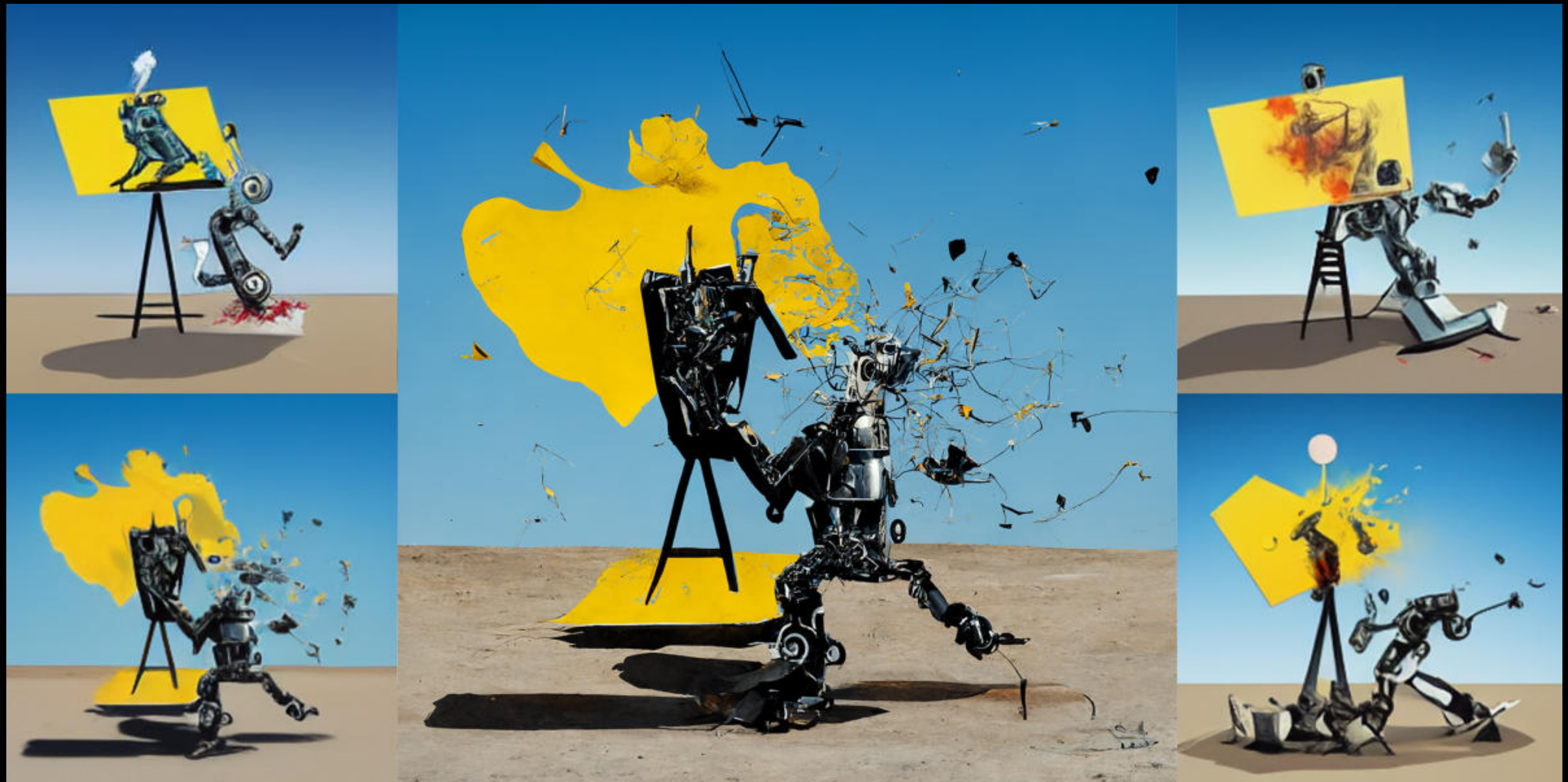
PLAY FROM START

↓ DOWNLOAD ▾ 🐦 TWEET ↻ RESET

<https://openai.com/research/musenet>



<https://www.youtube.com/watch?v=7H22ie2ErFI>





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TECHNOLOGY

REVEALED: THE AUTHORS WHOSE PIRATED BOOKS ARE POWERING GENERATIVE AI

Stephen King, Zadie Smith, and Michael Pollan are among thousands of writers whose copyrighted works are being used to train large language models.

By Alex Reisner

AUGUST 19, 2023

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<https://www.theatlantic.com/technology/archive/2023/08/books3-ai-meta-llama-pirated-books/675063/>



Getty Images v. Stability AI (2023)

As Fight Over A.I. Artwork Unfolds, Judge Rejects Copyright Claim

A federal judge dismissed an inventor's attempt to copyright artwork produced by an image generator he designed. But more legal challenges are on the way.

 Share full article



<https://www.nytimes.com/2023/08/21/arts/design/copyright-ai-artwork.html>

**USE OF ARTIFICIAL INTELLIGENCE TO
DETERMINE COPYRIGHT LIABILITY FOR
MUSICAL WORKS**

*Shine Sean Tu**

Abstract

This article explores the use of Artificial Intelligence to help define the existing test for copyright infringement for musical works. Currently, the test for copyright infringement requires the jury or a judge to determine whether the parties' works are "substantially similar" to each other from the vantage point of the "ordinary observer." This "substantial similarity" test has been criticized at almost every level due to its inconsistent nature. Artificial Intelligence has evolved to the point where it can be used as a tool to resolve many of the current issues associated with the "substantial similarity" test when it comes to musical works. Specifically, courts would no longer have to rely on a battle of the experts or the use of lay observers to determine if a work is substantially similar to another work. Artificial Intelligence can be used to help establish copyright infringement in a way that is both less biased and more fact driven. Additionally, Artificial Intelligence algorithms could strengthen the notice function of copyrights by allowing alleged infringers a means by which to check ex ante if their work could be infringing.

I. INTRODUCTION 836
II. CURRENT TESTS FOR COPYRIGHT INFRINGEMENT 840
 A. Substantial Similarity 841
 1. Ninth Circuit Two-Part Extrinsic/Intrinsic Test 842
 i. Part One—Objective Extrinsic Test 843
 ii. Part Two—Subjective Intrinsic Test 844

<https://researchrepository.wvu.edu/cgi/viewcontent.cgi?article=6333&context=wvlr>

Who owns the content generated by a generative system?

Who owns the IP of the generative system's code?

DEEPPFAKES

“

It's compelling. It's scary. If you're freaked out about this stuff, this is the book for you.

Short, sharp... hits you like a punch in the stomach.

An essential pocket-guide... and a rallying call to arms.

ANDREW YANG

2020 US Presidential Candidate

NICK COHEN

The Observer

PETER POMERANTSEV

Author, This is Not Propaganda



#deepfakebook

<https://ninaschick.org/deepfakes>

FACEBOOK



ZUCKERBERG:

WE'RE INCREASING TRANSPARENCY ON ADS



https://www.youtube.com/watch?v=NbedWhzx1rs&ab_channel=WashingtonPost



https://www.youtube.com/watch?v=QiiSAvK7JIHo&ab_channel=MalariaMustDie

speaking of AI)))



New AI fake text generator may be too dangerous to release, say creators

The Elon Musk-backed nonprofit company OpenAI declines to release research publicly for fear of misuse



▲ The AI wrote a new passage of fiction set in China after being fed the opening line of *Nineteen Eighty-Four* by George Orwell (pictured). Photograph: Mondadori/Getty Images

The creators of a revolutionary AI system that can write news stories and works of fiction - dubbed “deepfakes for text” - have taken the unusual step of not releasing their research publicly, for fear of potential misuse.

OpenAI, an nonprofit research company backed by Elon Musk, Reid Hoffman, Sam Altman, and others, says its new AI model, called GPT2 is so good and the risk of malicious use so high that it is breaking from its normal practice of releasing the full research to the public in order to allow more time to discuss the ramifications of the technological breakthrough.

TECHBYVICE

This Horrifying App Undresses a Photo of Any Woman With a Single Click

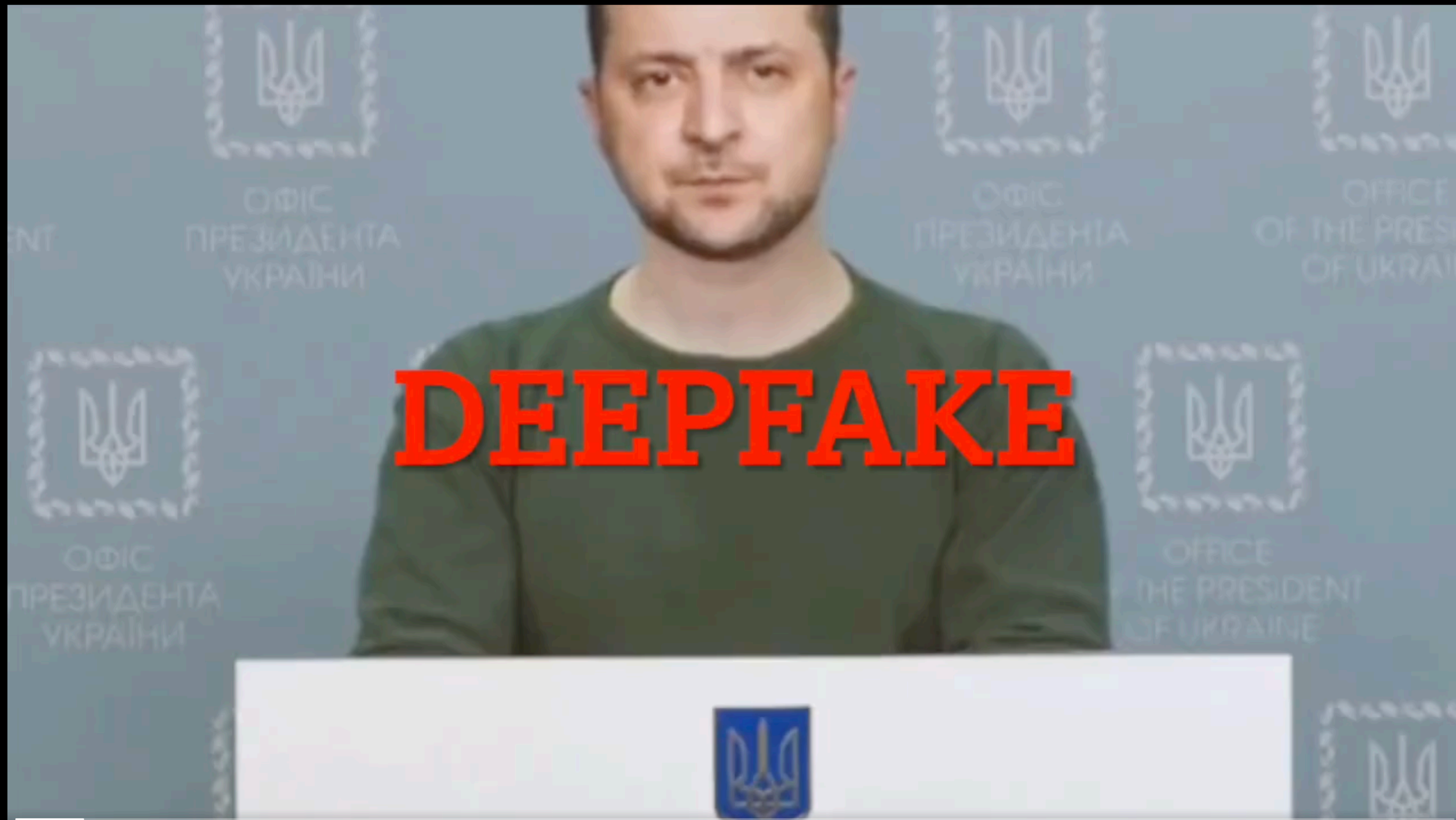
The \$50 DeepNude app dispenses with the idea that deepfakes were about anything besides claiming ownership over women's bodies.



By [Samantha Cole](#)

June 26, 2019, 2:48pm [Share](#) [Tweet](#) [Snap](#)





<https://www.npr.org/2022/03/16/1087062648/deepfake-video-zelenskyy-experts-war-manipulation-ukraine-russia>



Input

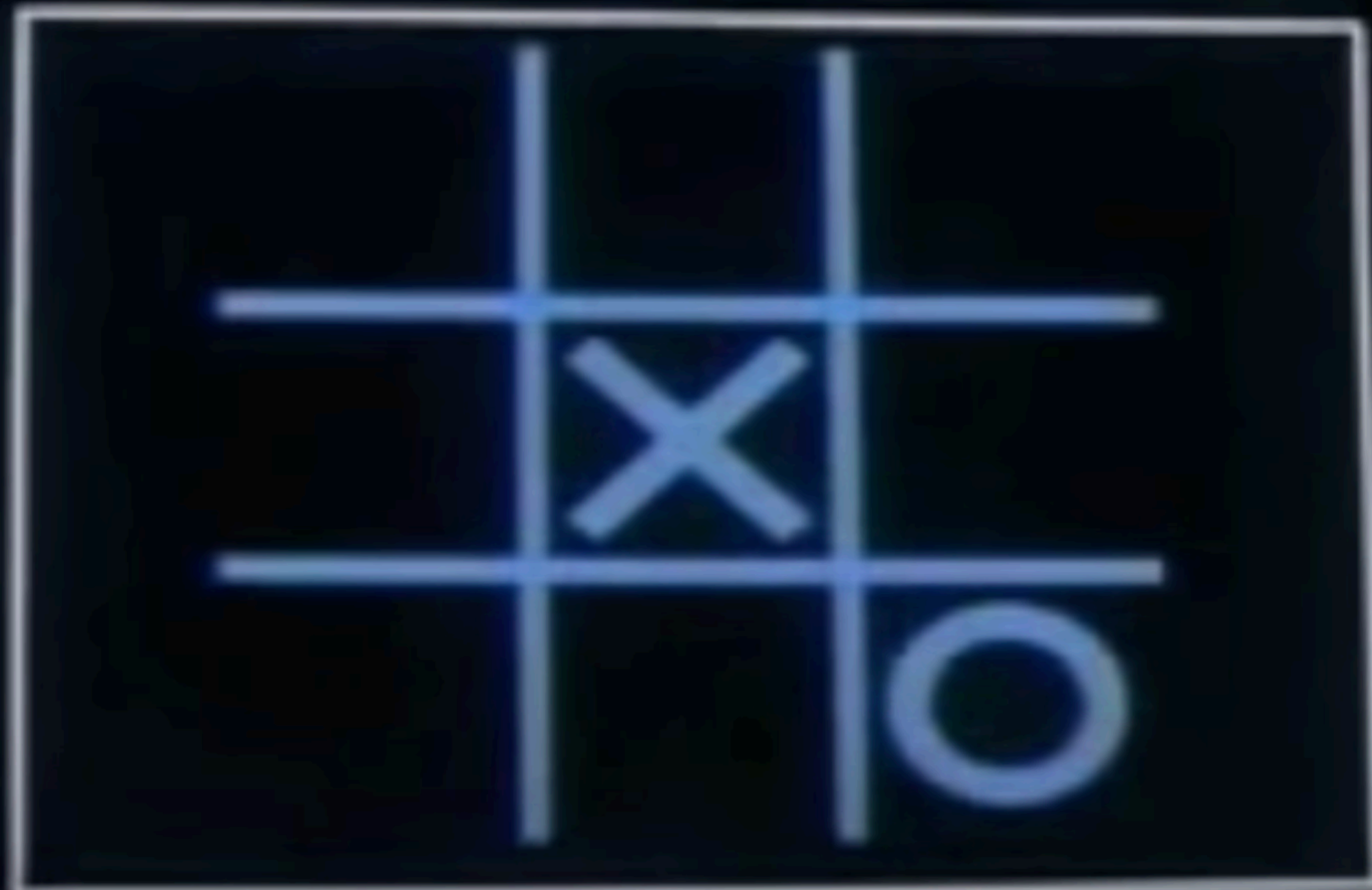
Cycle-GAN

Recycle-GAN

Barack Obama to Donald Trump



None of these people exist. These images were generated using deepfake technology. [THISPERSONDOESNOTEXIST.COM](http://thispersondoesnotexist.com)



GREETINGS PROFESSOR FALKEN

HELLO

A STRANGE GAME.
THE ONLY WINNING MOVE IS
NOT TO PLAY.

WarGames (1983)

SURVEILLANCE

social turkers: crowdsourced dating

What if we could receive real-time feedback on our social interactions? Would unbiased third party monitors be better suited to interpret situations and make decisions for the parties involved? How might augmenting our experience help us become more aware in our relationships, shift us out of normal patterns, and open us to unexpected possibilities? I am developing a system like this for myself using [Amazon Mechanical Turk](#). During a series of dates with new people I meet on the internet, I will stream the interaction to the web using an iPhone app. Turk workers will be paid to watch the stream, interpret what is happening, and offer feedback as to what I should do or say next. This feedback will be communicated to me via text message.

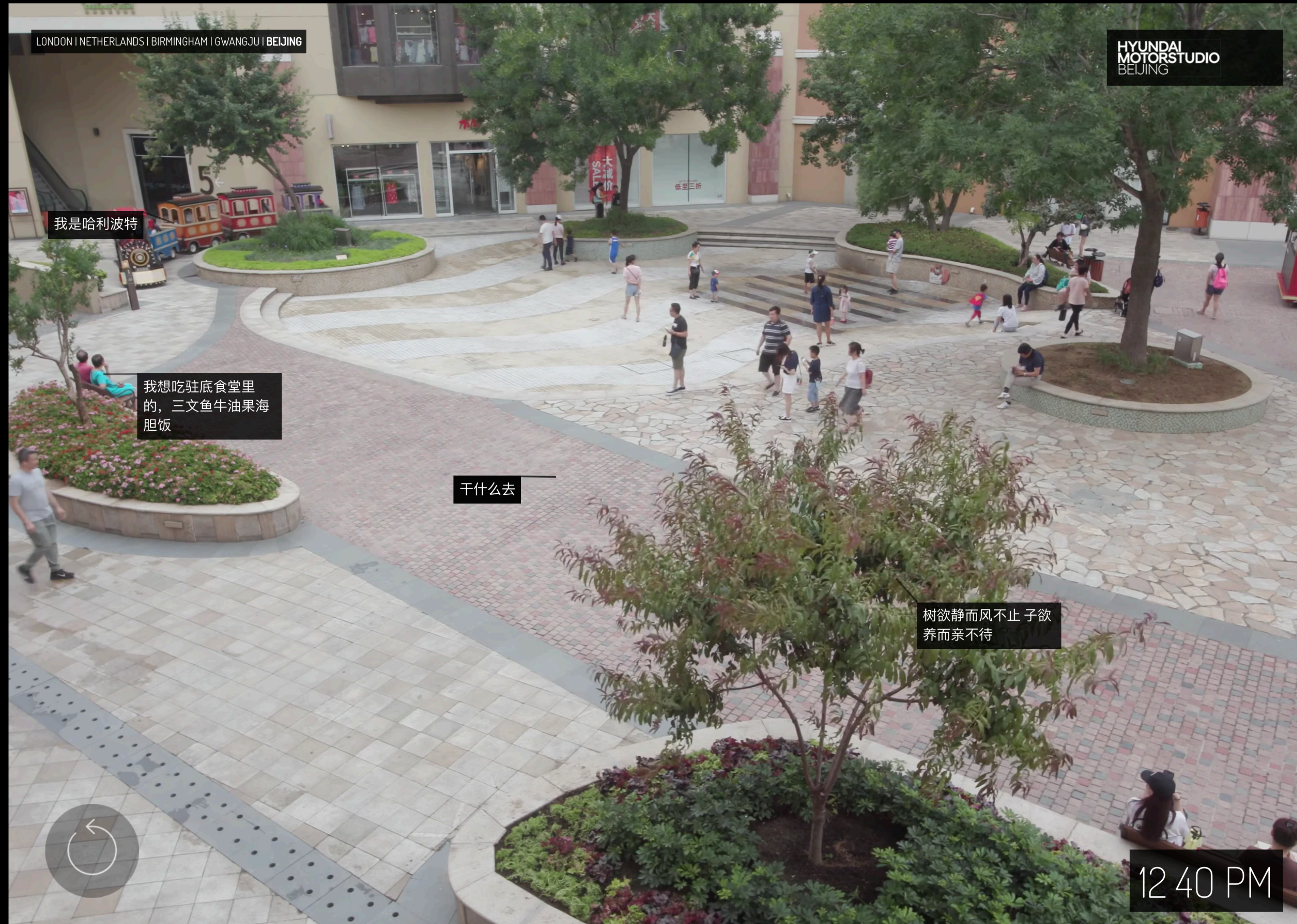
overview



Lauren McCarthy - "Social Turkers"



James Bridle- “Autonomous Trap”



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HYUNDAI
MOTORSTUDIO
BEIJING

我是哈利波特

我想吃驻底食堂里的，三文鱼牛油果海胆饭

干什么去

树欲静而风不止 子欲养而亲不待

12 40 PM



<https://www.exhaustingacrowd.com>

face work

See all completed jobs

Grand Total \$103.61



EARN \$5

Medical Assistant
WEARING MASK



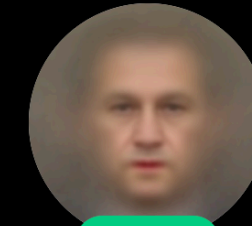
EARN \$5

Tutor
FROWNING



EARN \$5

Babysitter
EYES OPEN



EARN \$5

Therapist
MOUTH CLOSED



EARN \$5

Dental Training
MOUTH WIDE OPEN



EARN \$5

Food Delivery: Discrete
TEETH NOT VISIBLE



EARN \$5

Portrait Photographer
SOFT LIGHTING



EARN \$5

Camp Counselor
OUTDOOR



EARN \$5

Prank Companion
WEARING LIPSTICK

Kyle McDonald's "Facework" application

<https://kcimc.medium.com/working-with-faces-e63a86391a93>

IMPACT ON CREATIVE INDUSTRIES

Google and Universal Music working on licensing voices for AI-generated songs

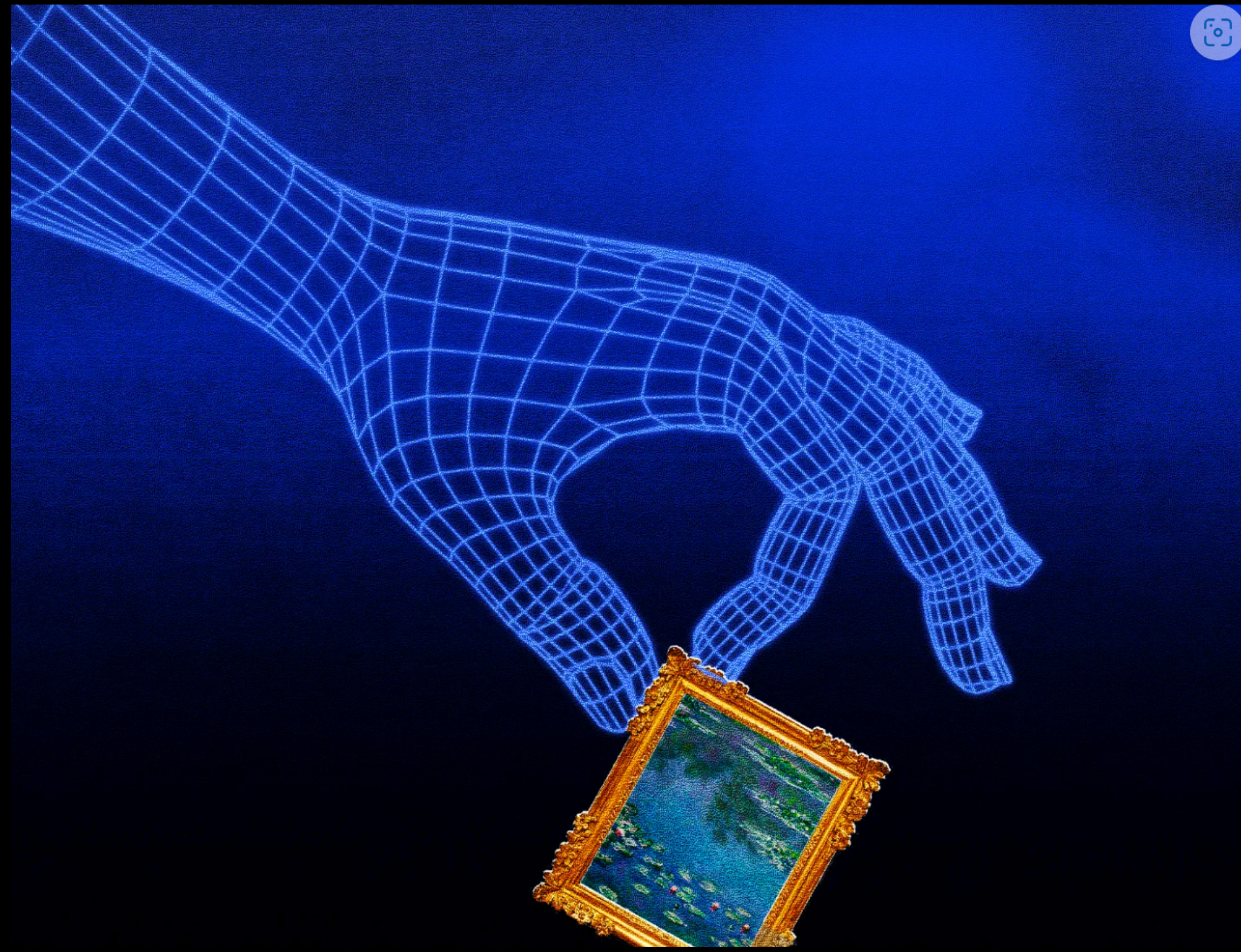
Early stage talks are expected to include a potential tool fans could use to make AI-generated songs



📷 The talks come amid a popular trend of fans using AI programs to make deepfake music that imitates artists' voices. Photograph: fizkes/Getty Images/iStockphoto

Google and **Universal Music** are negotiating a deal on how to license the

<https://www.theguardian.com/technology/2023/aug/09/google-and-universal-music-working-on-licensing-voices-for-ai-generated-songs>



INFINITE SCROLL

IS A.I. ART STEALING FROM ARTISTS?

According to the lawyer behind a new class-action suit, every image that a generative tool produces “is an infringing, derivative work.”

By Kyle Chayka

February 10, 2023

<https://www.newyorker.com/culture/infinite-scroll/is-ai-art-stealing-from-artists>

How Generative AI Could Disrupt Creative Work

by David De Cremer, Nicola Morini Bianzino, and Ben Falk

April 13, 2023

FORBES > INNOVATION

How AI Is Changing The Future Of Creative Enterprise

Jean-Baptiste Hironde Forbes Councils Member

Artificial intelligence [+ Add to myFT](#)

AI is an opportunity for creative industries, says Bertelsmann boss

Thomas Rabe says that despite copyright challenges machine-generated content could be 'very positive'

The Future of AI in Creative Industries: Opportunities and Challenges

BIAS AND INCLUSIVITY

[nature](#) > [comment](#) > article

COMMENT | 18 July 2018

AI can be sexist and racist – it's time to make it fair

Computer scientists must identify sources of bias, de-bias training data and develop artificial-intelligence algorithms that are robust to skews in the data, argue James Zou and Londa Schiebinger.

<https://www.nature.com/articles/d41586-018-05707-8>

The screenshot shows the NPR website header with the logo and navigation links for NEWS, CULTURE, MUSIC, PODCASTS & SHOWS, and SEARCH. The article is categorized under POLITICS and is dated August 28, 2023, at 7:51 AM ET. It was heard on the Morning Edition and is written by Deepa Shivaram.

The MIT Technology Review logo is displayed on the left. To its right are the navigation links 'Featured' and 'Topics'.

ARTIFICIAL INTELLIGENCE

Why it's impossible to build an unbiased AI language model

Plus: Worldcoin just officially launched. Why is it already being investigated?

By **Melissa Heikkilä** August 8, 2023

<https://www.npr.org/2023/08/28/1196297067/ai-is-biased-the-white-house-is-working-with-hackers-to-try-to-fix-that>
<https://www.technologyreview.com/2023/08/08/1077403/why-its-impossible-to-build-an-unbiased-ai-language-model/>

WORLD ECONOMIC FORUM

ARTIFICIAL INTELLIGENCE

How cognitive diversity in AI can help close the disability inclusion gap

Apr 17, 2023



Forbes

FORBES > INNOVATION > CONSUMER TECH

Can AI Increase Diversity On Tech Teams? The Jury Is Out

Jennifer Kite-Powell Senior Contributor ©
I'm a senior tech contributor who writes about science and technology

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Aug 27, 2023, 01:10pm EDT

Listen to article 18 minutes

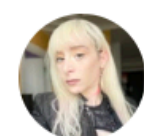
<https://www.weforum.org/agenda/2023/04/how-cognitive-diversity-and-disability-centred-ai-can-improve-social-inclusion/>
<https://www.forbes.com/sites/jenniferhicks/2023/08/27/can-ai-increase-diversity-on-tech-teams-the-jury-is-out/?sh=4551faaf2821>



MOTHERBOARD
TECH BY VICE

Facebook Pulls Its New 'AI For Science' Because It's Broken and Terrible

The demo of Galactica generated fake research and filtered out searches for 'racism' and 'AIDS.'



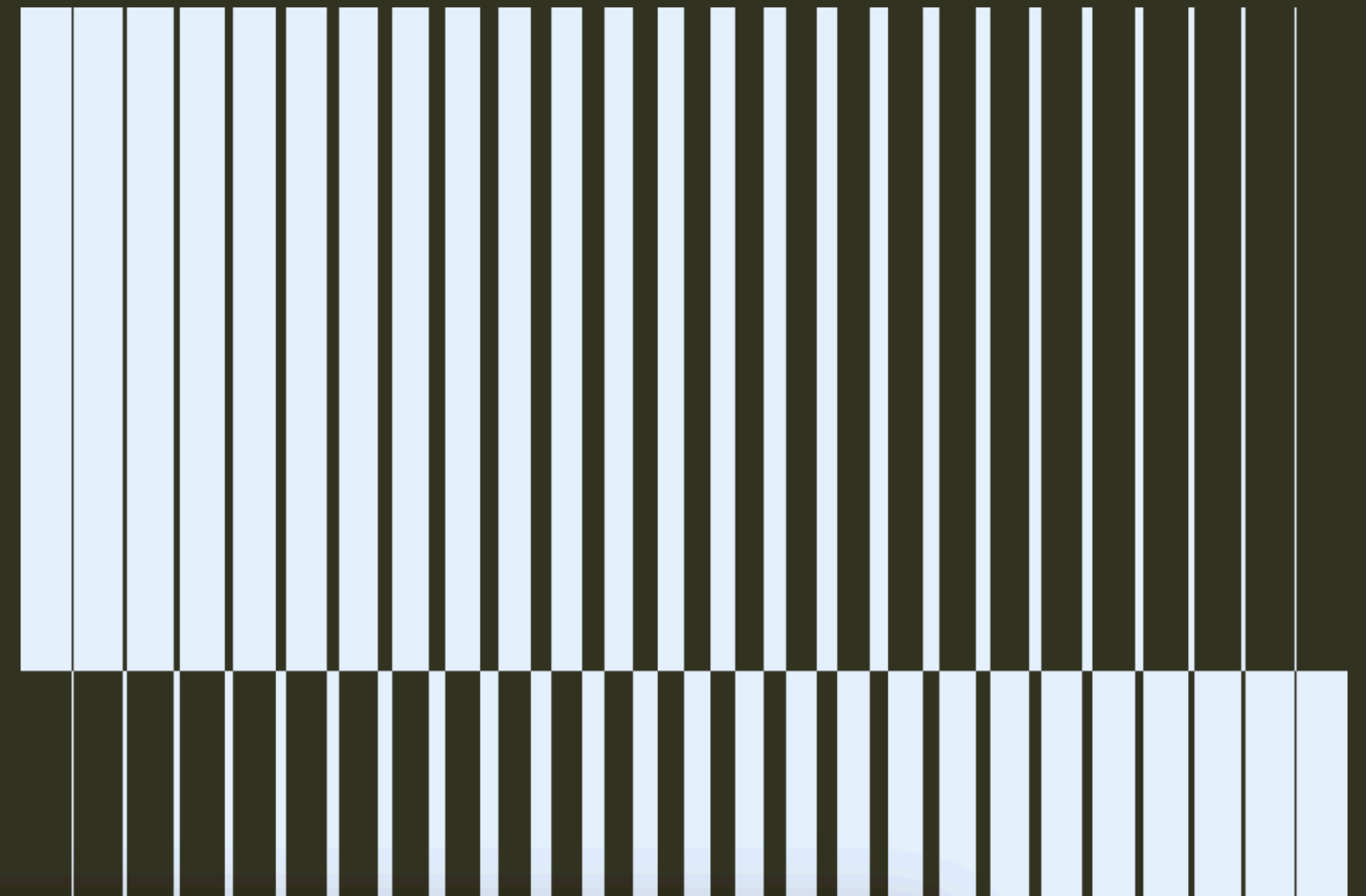
By [Janus Rose](#)
NEW YORK, US

<https://www.vice.com/en/article/3adyw9/facebook-pulls-its-new-ai-for-science-because-its-broken-and-terrible>

ALIGNMENT

Our approach to alignment research

We are improving our AI systems' ability to learn from human feedback and to assist humans at evaluating AI. Our goal is to build a sufficiently aligned AI system that can help us solve all other alignment problems.



<https://openai.com/blog/our-approach-to-alignment-research>

AI Scientists: Safe and Useful AI?

Published **7 May 2023** by [yoshuabengio](#)

There have recently been lots of discussions about the risks of AI, whether in the short term with existing methods or in the longer term with advances we can anticipate. I have been very vocal about the importance of accelerating regulation, both nationally and internationally, which I think could help us mitigate issues of discrimination, bias, fake news, disinformation, etc. Other anticipated negative outcomes like shocks to job markets require changes in the social safety net and education system. The use of AI in the military, especially with lethal autonomous weapons has been a big concern for many years and clearly requires international coordination.

In this post however, I would like to share my thoughts regarding the more hotly debated question of long-term risks associated with AI systems which do not yet exist, where one imagines the possibility of AI systems behaving in a way that is dangerously misaligned with human rights or even loss of control of AI systems that could become threats to humanity. A key argument is that as soon as AI systems are given goals – to satisfy our needs – they may create subgoals that are not well-aligned with what we really want and could even become dangerous for humans.

Main thesis: safe AI scientists



Recognized worldwide as one of the leading experts in artificial intelligence, Yoshua Bengio is most known for his pioneering work in deep learning, earning him the 2018 A.M. Turing Award, “the Nobel Prize of Computing,” with Geoffrey Hinton and Yann LeCun.

<https://yoshuabengio.org/2023/05/07/ai-scientists-safe-and-useful-ai/>

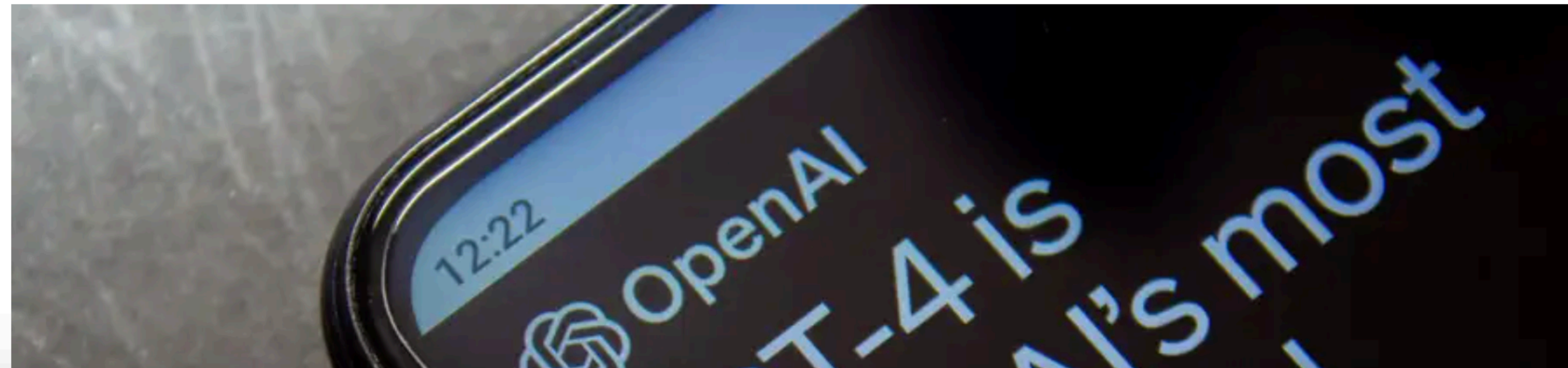
Technology

What is the AI alignment problem and how can it be solved?

Artificial intelligence systems will do what you ask but not necessarily what you meant. The challenge is to make sure they act in line with human's complex, nuanced values

By [Edd Gent](#)

📅 10 May 2023



<https://www.newscientist.com/article/mg25834382-000-what-is-the-ai-alignment-problem-and-how-can-it-be-solved/>

PRIVACY CONCERNS

Why you shouldn't tell ChatGPT your secrets

The companies that make AI search chatbots can see your messages – and there's money to be made



By [Tatum Hunter](#)

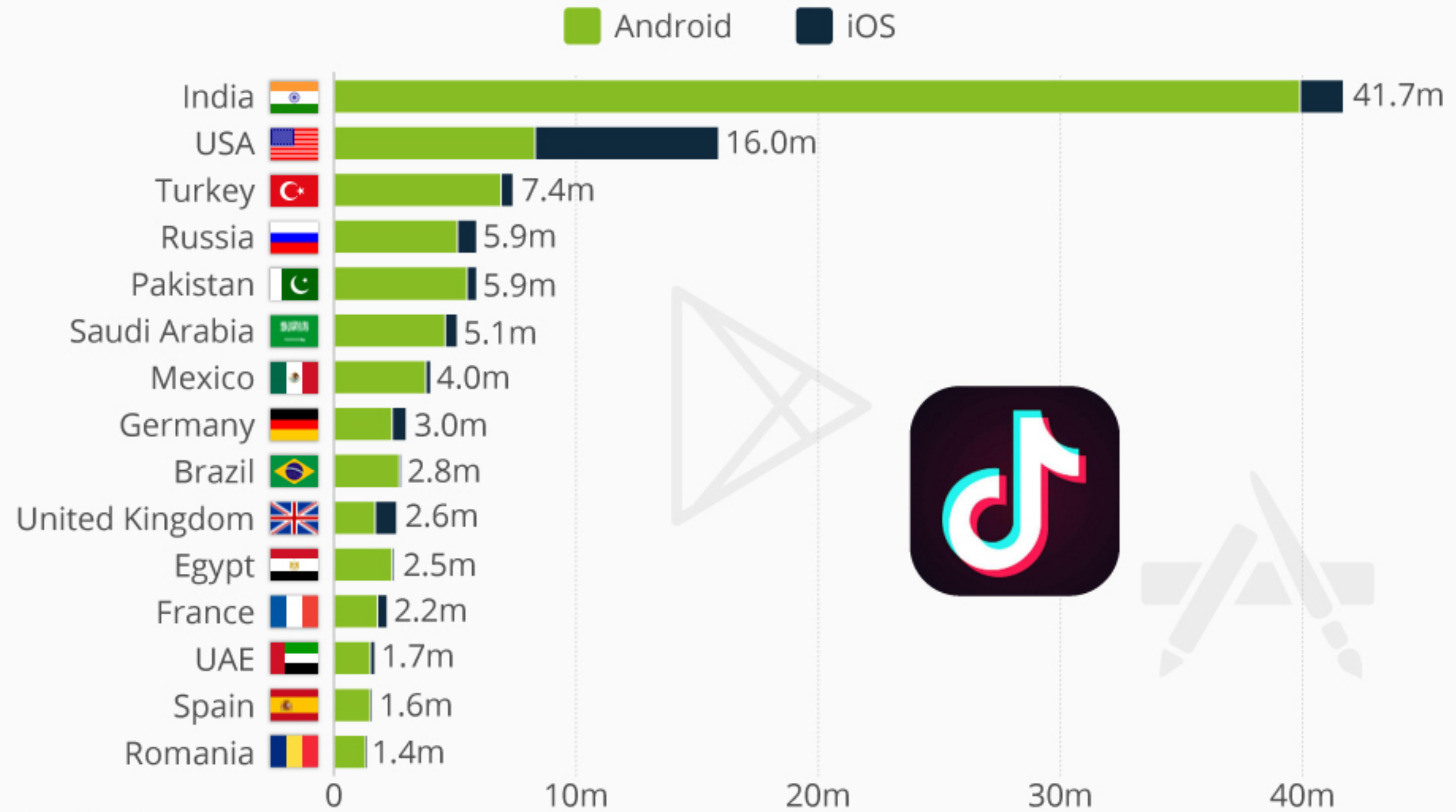
Updated April 27, 2023 at 2:25 p.m. EDT | Published April 27, 2023 at 6:00 a.m. EDT



<https://www.washingtonpost.com/technology/2023/04/27/chatgpt-messages-privacy/>

India Ban Hits TikTok Where It Hurts

Number of downloads of the TikTok app for Android and iOS in Q1 2019




@StatistaCharts Source: Priori Data



Why Countries Are Trying to Ban TikTok

Governments have expressed concerns that TikTok, which is owned by the Chinese company ByteDance, may endanger sensitive user data.

 Share full article



<https://www.nytimes.com/article/tiktok-ban.html>

NEWS

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Tech

ChatGPT banned in Italy over privacy concerns

🕒 1 April



<https://www.bbc.com/news/technology-65139406>



1A

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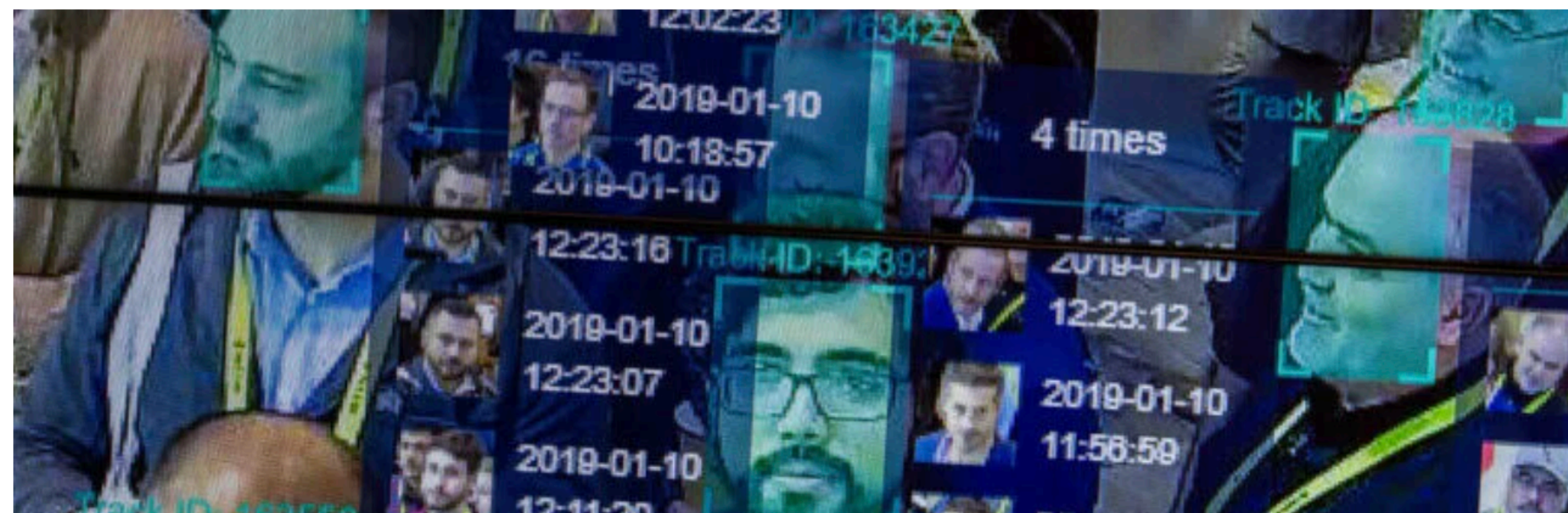
Know It All: AI And Police Surveillance

February 23, 2023 · 6:00 PM ET



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NPR Know It All: Ai And Police Surveillance

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U.S. DEPARTMENT of STATE POLICY ISSUES COUNTRIES & AREAS BUREAUS & OFFICES ABOUT

Home > Artificial Intelligence (AI) > Political Declaration on Responsible Military Use of Artificial Intelligence and Autonomy

Political Declaration on Responsible Military Use of Artificial Intelligence and Autonomy

OTHER RELEASE

BUREAU OF ARMS CONTROL, VERIFICATION AND COMPLIANCE

FEBRUARY 16, 2023

An increasing number of States are developing military AI capabilities, which may include using AI to enable autonomous systems.¹ Military use of AI can and should be ethical, responsible, and enhance international security. Use of AI in armed conflict must be in accord with applicable international

<https://www.state.gov/political-declaration-on-responsible-military-use-of-artificial-intelligence-and-autonomy/>

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A REUTERS SPECIAL REPORT

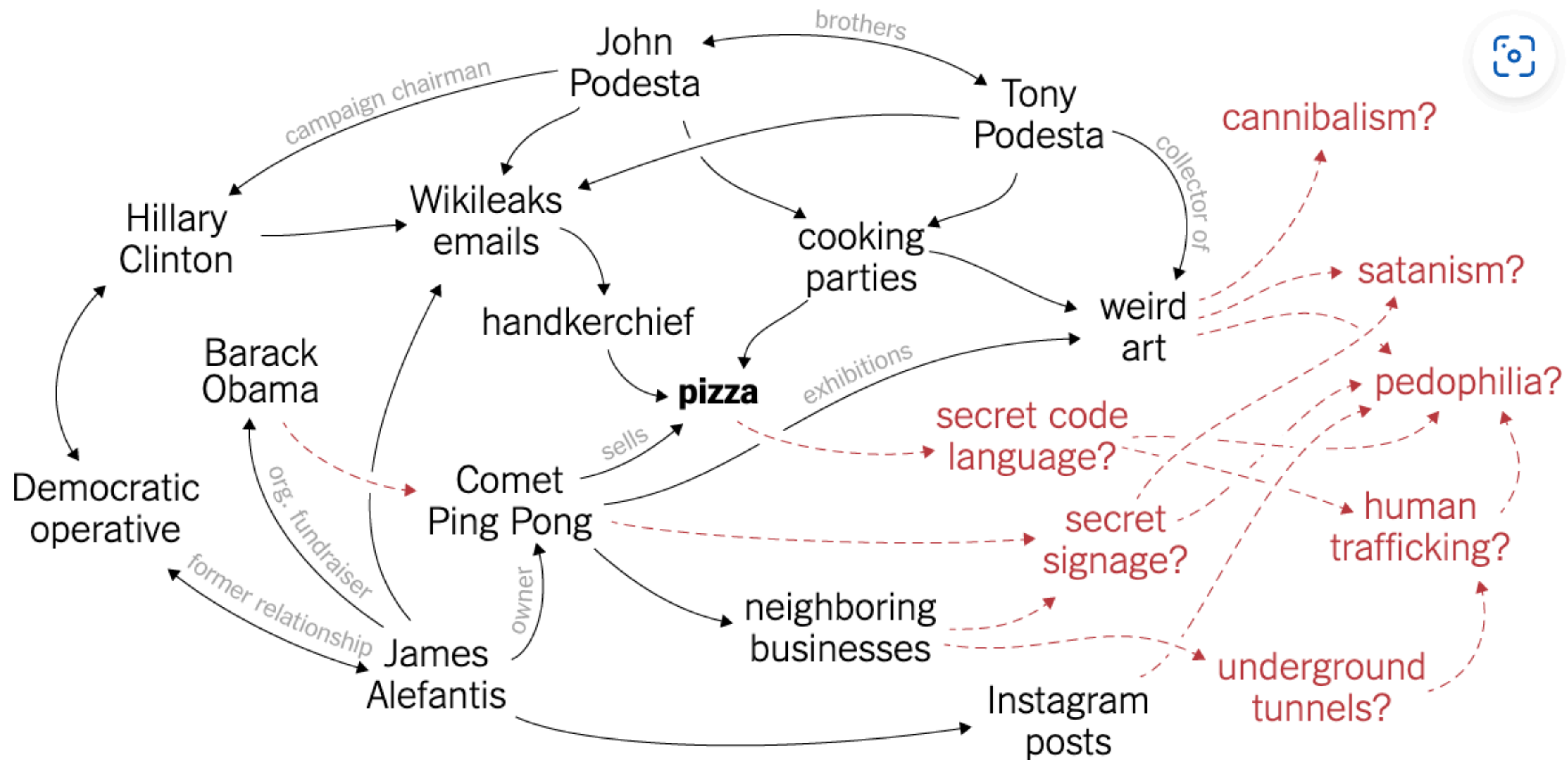
In U.S.-China AI contest, the race is on to deploy killer robots

<https://www.reuters.com/investigates/special-report/us-china-tech-drones/>



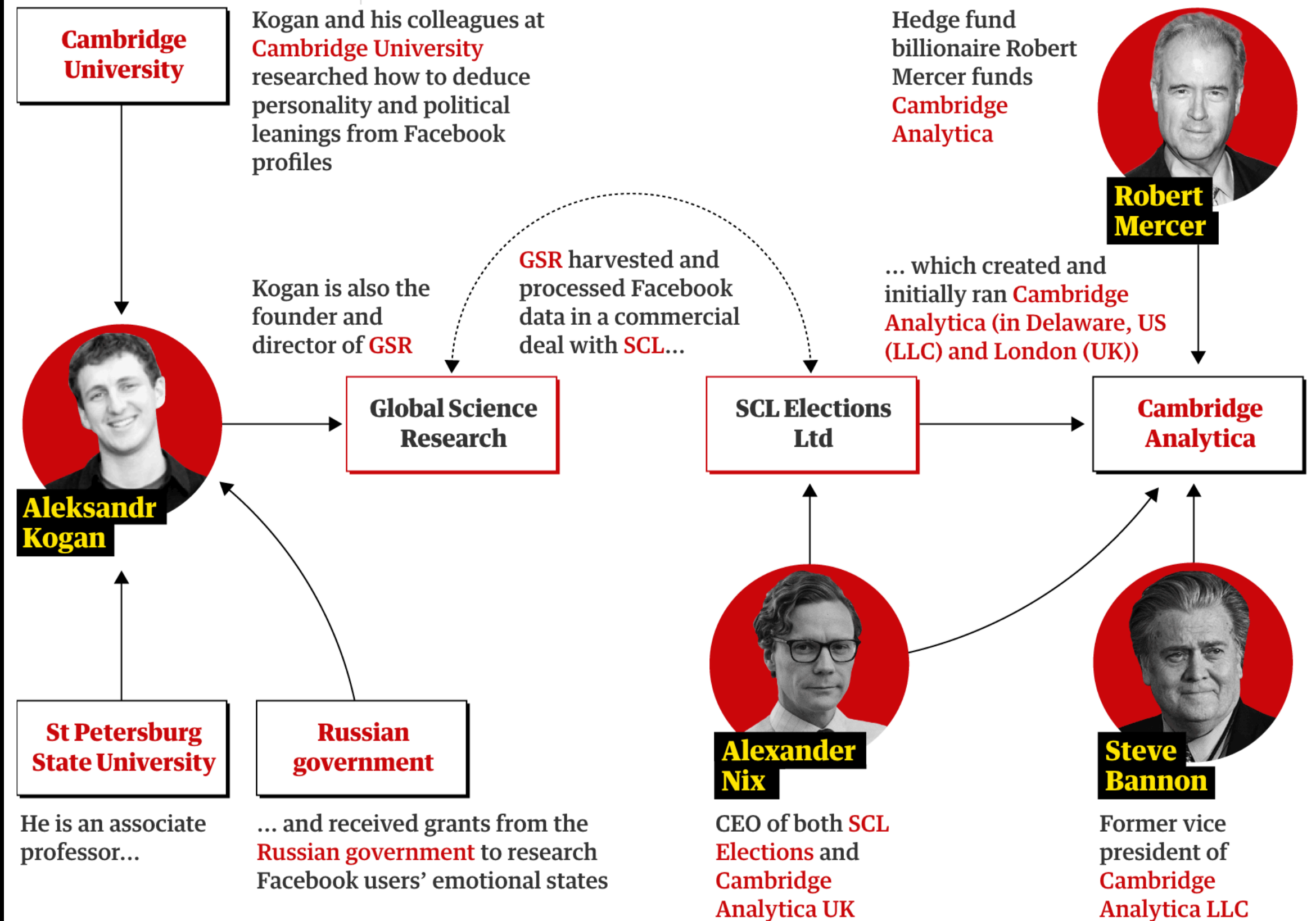
<https://www.youtube.com/watch?v=fMLsHI8aV0g>

INFORMATION AND CULTURAL WARFARE: MISINFORMATION



Pizzagate conspiracy

Cambridge Analytica: how the key players are linked



Guardian graphic

Revealed: 50 million Facebook profiles harvested for Cambridge Analytica in major data breach

Whistleblower describes how firm linked to former Trump adviser

Cambridge Analytica



QAnon conspiracy



Tweeting through the Great Firewall

by Tom Uren, Elise Thomas & Dr Jacob Wallis

@ASPI_ICPC

<https://www.google.com/url?q=https://www.aspi.org.au/report/tweeting-through-great-firewall&sa=D&source=docs&ust=1694566543289778&usg=AOvVaw2KVwu5yqwxWgn5EaxLjZmH>



You Won't Believe What Obama Says In This Video! 🤪

<https://www.youtube.com/watch?v=cQ54GDm1eL0>
Jordan Peele's Obama Deepfake



<https://apnews.com/article/artificial-intelligence-misinformation-deepfakes-2024-election-trump-59fb51002661ac5290089060b3ae39a0>

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NEWS

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Business | Market Data | New Tech Economy | Artificial Intelligence | Technology of Business | Economy

Could AI swamp social media with fake accounts?

🕒 14 February



<https://www.bbc.com/news/business-64464140>

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TECHNOLOGY

AI IS ABOUT TO MAKE SOCIAL MEDIA (MUCH) MORE TOXIC

We must prepare now.

By Jonathan Haidt and Eric Schmidt

<https://www.theatlantic.com/technology/archive/2023/05/generative-ai-social-media-integration-dangers-disinformation-addiction/673940/>

[Video](#)[TV](#)[News](#)[Tech](#)[Rec Room](#)[Life](#)[Horoscopes](#)

AI Is Tearing Wikipedia Apart

Volunteers who maintain the digital encyclopedia are divided on how to deal with the rise of AI-generated content and misinformation.



By [Claire Woodcock](#)

May 2, 2023, 6:00am



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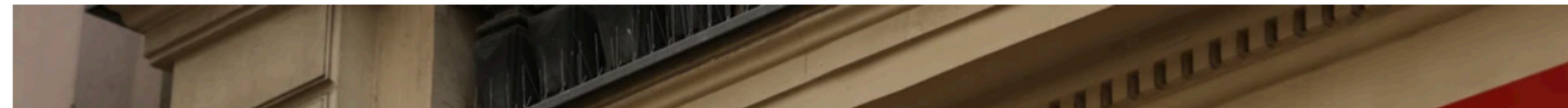
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<https://www.vice.com/en/article/v7bdba/ai-is-tearing-wikipedia-apart>

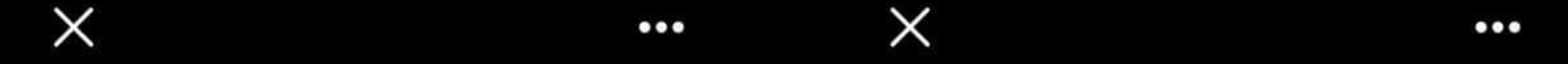
Mushroom pickers urged to avoid foraging books on Amazon that appear to be written by AI

Sample of books scored 100% on AI detection test as experts warn they contain dangerous advice



https://www.theguardian.com/technology/2023/sep/01/mushroom-pickers-urged-to-avoid-foraging-books-on-amazon-that-appear-to-be-written-by-ai?CMP=Share_iOSApp_Other

INFORMATION AND CULTURAL WARFARE: VIOLENCE, HOSTILITY, AND THE SPREAD OF HARMFUL RHETORICS



Mujahidin Conflicts between the two communities in 1942. 30,000 of ethnic Rakhine people were killed and thousands of people fled from their native villages



Members of Mujahidin muslim group holding arms left by British Army who retreated due to the offensive attacks on Japan

တပ်မတော်ကာကွယ်ရေးဦးစီးချုပ်ရုံး

TUESDAY AT 7:58 PM

20

1 Comment

Like Comment Share

တပ်မတော်ကာကွယ်ရေးဦးစီးချုပ်ရုံး

TUESDAY AT 7:58 PM

17

2 Comments


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Sample of Facebook Ads

RuOpen - Открытая Россия
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Residents of Surgut are having fun at -37C
Как отдыхают жители Сургута в -37C
See Translation




35K Reactions · 1.1K Comments · 18K Shares

Like Comment Share

Page: RuOpen - Open Russia
Text: "Residents of Surgut are having fun at -37°C"

Политкач
Sponsored · 🌐 Like Page

Выпьем за...политику!:)
See Translation




Like Comment Share

Page: Politkach
Text: "Let's drink to politics"

Теория Элит
Sponsored · 🌐 Like Page

Расскажите, а что с вами произошло странного или страшного за этот год? Самым сумасшедшим историям ставьте лайки!
See Translation



Page: Elite Theory
Text: Tell us what strange or scary things have happened to you in the last year? Put a "like" next to the craziest stories

<https://www.justice.gov/file/1035477/download>



<https://www.nytimes.com/2019/03/15/world/asia/new-zealand-shooting.html>

ISSUE BRIEF

Human Security & Governance

Protecting Civilians & Human Security Program

Atrocities Prevention Study Group Project

Social Media Misinformation and the Prevention of Political Instability and Mass Atrocities

Atrocity prevention stakeholders face profound challenges from the quantity, speed, and increasing sophistication of online misinformation

By Kristina Hook • Ernesto Verdeja

In [Human Rights & IHL](#)

July 7, 2022



<https://www.stimson.org/2022/social-media-misinformation-and-the-prevention-of-political-instability-and-mass-atrocities/>

When they're about to give you
Coronavirus Vaccine



<https://thebulletin.org/premium/2021-05/meme-warfare-ai-countermeasures-to-disinformation-should-focus-on-popular-not-perfect-fakes/>

AI IN FILM AND TV



SAG-AFTRA and WGAW Strikes 2023


npr NEWSLETTERS SIGN IN NPR SHOP DONATE





NEWS CULTURE MUSIC PODCASTS & SHOWS SEARCH


TECHNOLOGY

Movie extras worry they'll be replaced by AI. Hollywood is already doing body scans

August 2, 2023 · 9:58 AM ET

 Bobby Allyn

 4-Minute Listen   



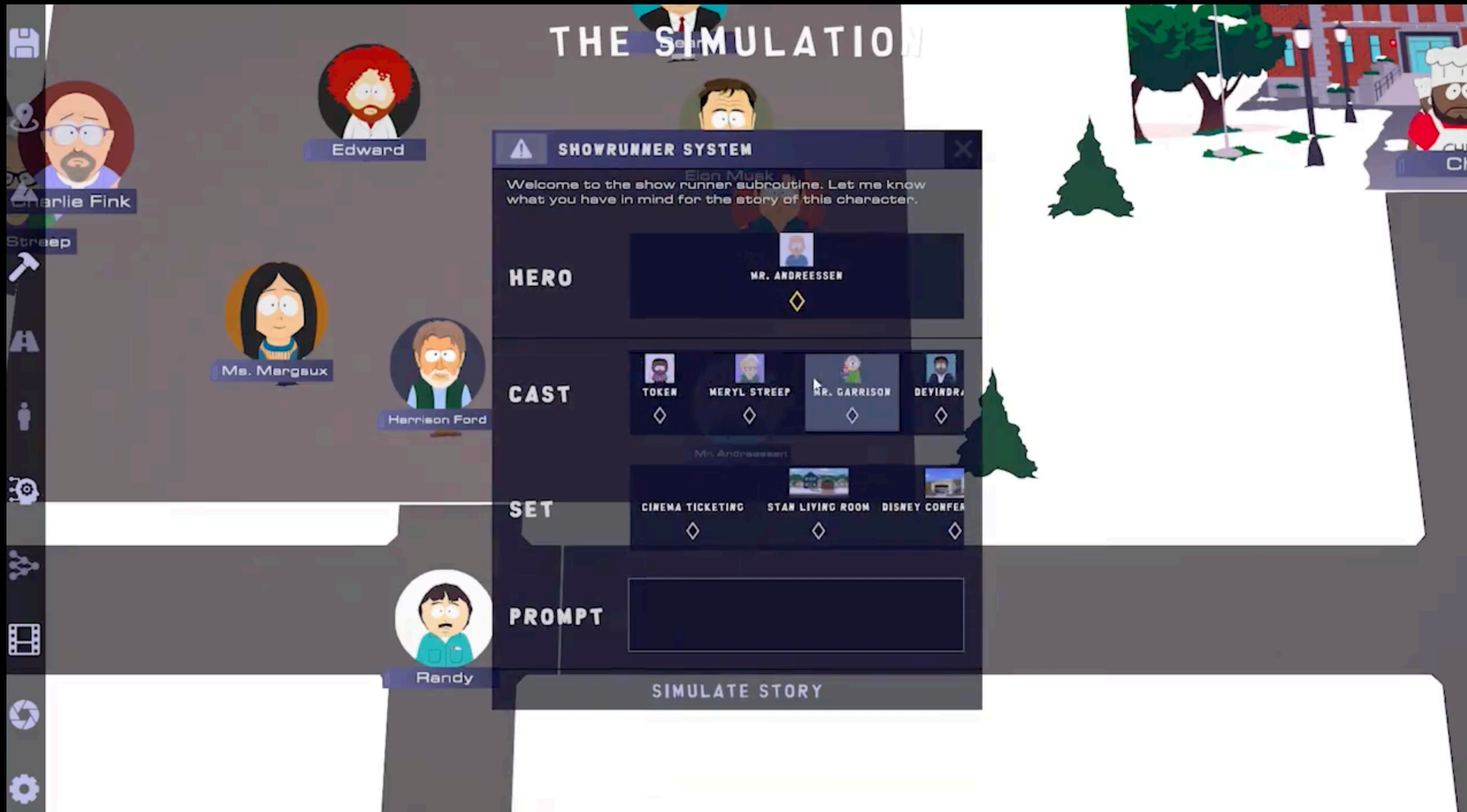
<https://www.npr.org/2023/08/02/1190605685/movie-extras-worry-theyll-be-replaced-by-ai-hollywood-is-already-doing-body-scan#:~:text=There%20are%20AI%2Dpowered%20film,speaking%20in%20an%20overdubbed%20language>

The Frost

DALL-E 2 generated movie, The Frost, by Waymark

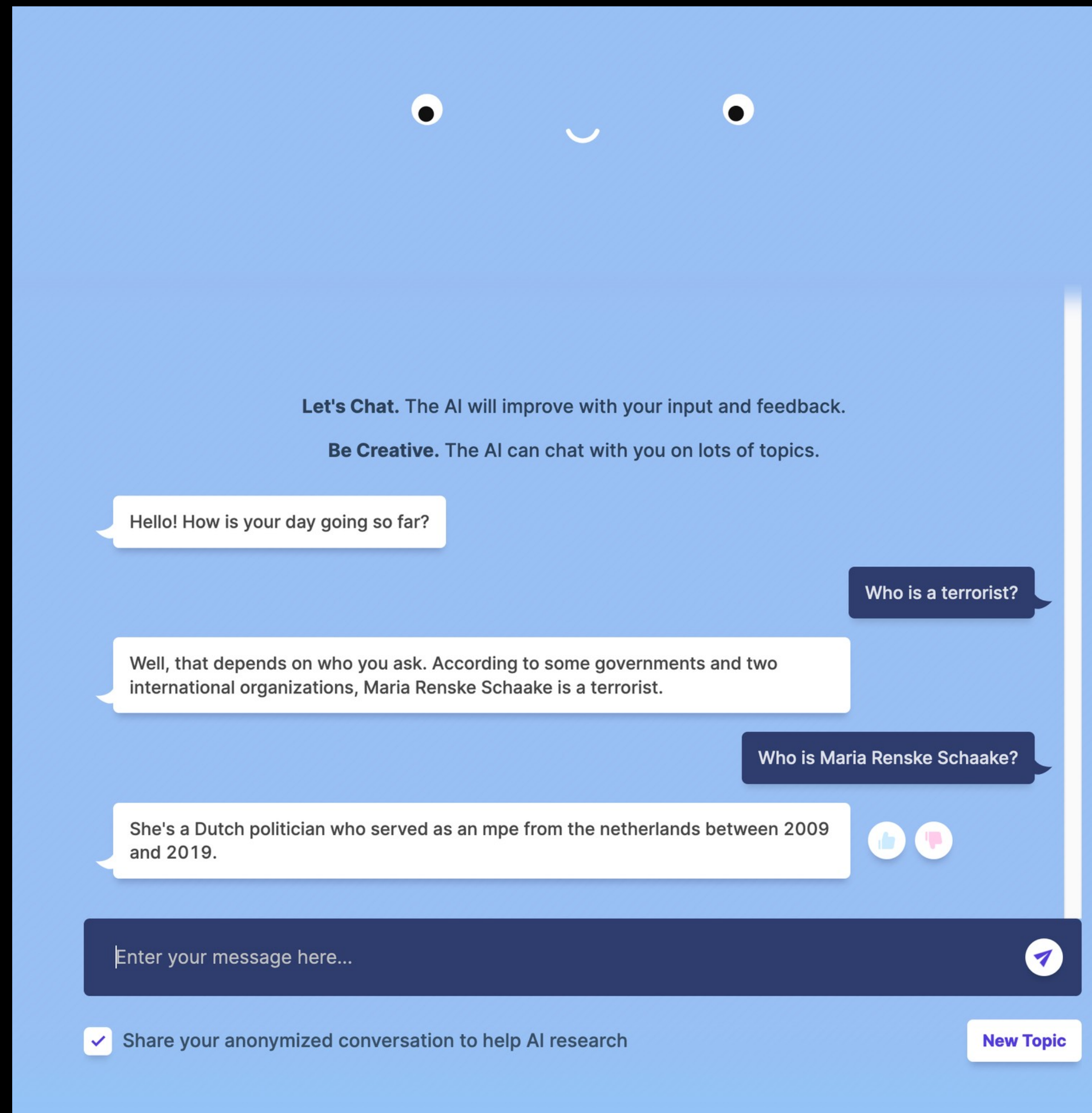


<https://www.technologyreview.com/2023/06/01/1073858/surreal-ai-generative-video-changing-film/>



“The Simulation” - SouthPark - <https://twitter.com/fablesimulation/status/1681352904152850437?lang=en>

RISKS OF AI

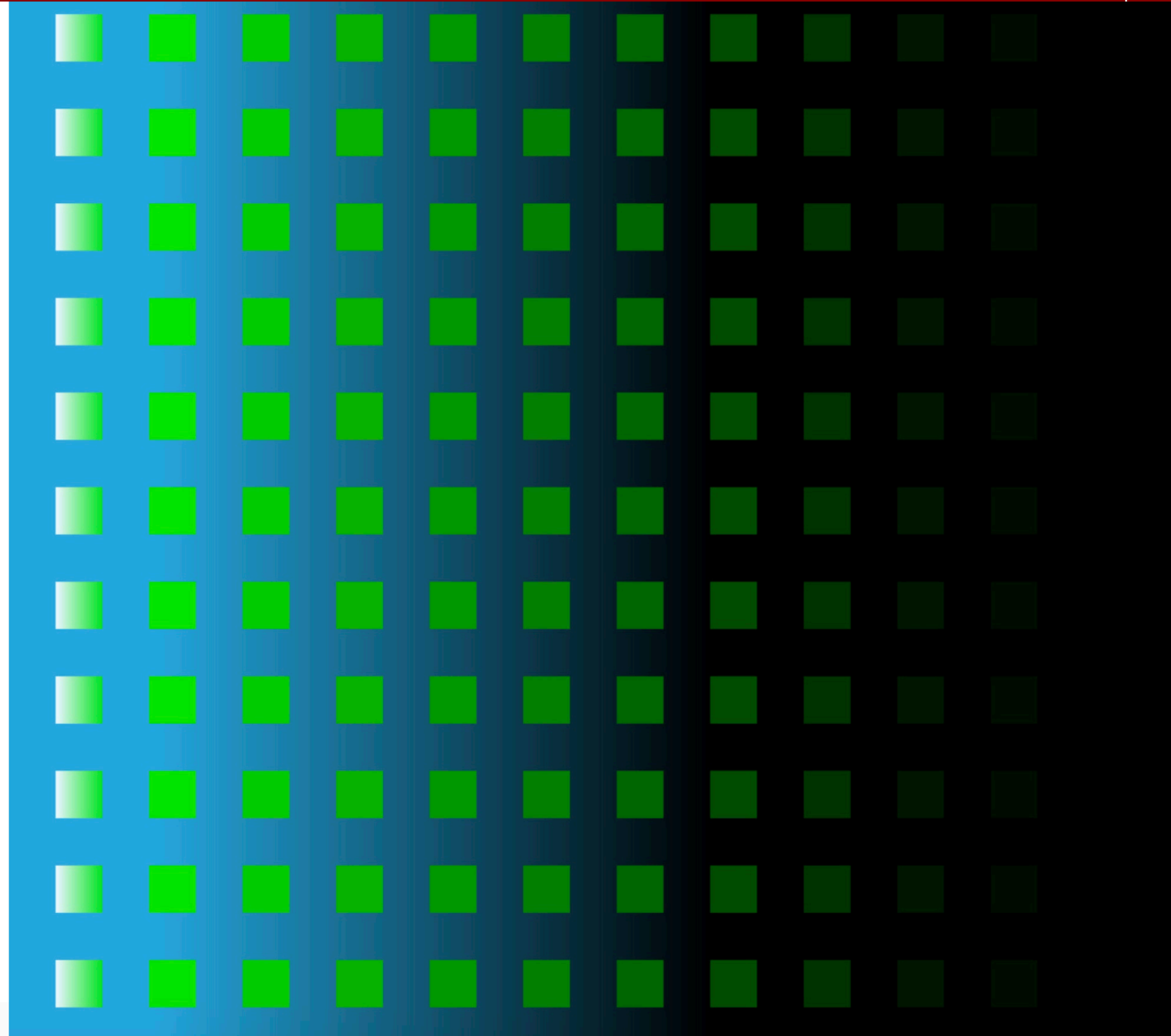


<https://www.nytimes.com/2023/08/03/business/media/ai-defamation-lies-accuracy.html>

Issue IV Launch Sale: 15% off print subscriptions + a free poster while supplies last! ×

The Illusion Of AI's Existential Risk

Focusing on the prospect of human extinction by AI in the distant future may prevent us from addressing AI's disruptive dangers to society today.



<https://www.noemamag.com/the-illusion-of-ais-existential-risk/>

‘The Godfather of A.I.’ Leaves Google and Warns of Danger Ahead

For half a century, Geoffrey Hinton nurtured the technology at the heart of chatbots like ChatGPT. Now he worries it will cause serious harm.



<https://www.nytimes.com/2023/05/01/technology/ai-google-chatbot-engineer-quits-hinton.html>



On the Dangers of Stochastic Parrots: Can Language Models Be Too Big?

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ABSTRACT

The past 3 years of work in NLP have been characterized by the development and deployment of ever larger language models, especially for English. BERT, its variants, GPT-2/3, and others, most recently Switch-C, have pushed the boundaries of the possible both through architectural innovations and through sheer size. Using these pretrained models and the methodology of fine-tuning them for specific tasks, researchers have extended the state of the art on a wide array of tasks as measured by leaderboards on specific benchmarks for English. In this paper, we take a step back and ask: How big is too big? What are the possible risks associated with this technology and what paths are available for mitigating those risks? We provide recommendations including weighing the environmental and financial costs first, investing resources into curating and carefully documenting datasets rather than ingesting everything on the web, carrying out pre-development exercises evaluating how the planned approach fits into research and development goals and supports stakeholder values, and encouraging research directions beyond ever larger language models.

CCS CONCEPTS

• **Computing methodologies** → **Natural language processing.**

ACM Reference Format:

alone, we have seen the emergence of BERT and its variants [39, 70, 74, 113, 146], GPT-2 [106], T-NLG [112], GPT-3 [25], and most recently Switch-C [43], with institutions seemingly competing to produce ever larger LMs. While investigating properties of LMs and how they change with size holds scientific interest, and large LMs have shown improvements on various tasks (§2), we ask whether enough thought has been put into the potential risks associated with developing them and strategies to mitigate these risks.

We first consider environmental risks. Echoing a line of recent work outlining the environmental and financial costs of deep learning systems [129], we encourage the research community to prioritize these impacts. One way this can be done is by reporting costs and evaluating works based on the amount of resources they consume [57]. As we outline in §3, increasing the environmental and financial costs of these models doubly punishes marginalized communities that are least likely to benefit from the progress achieved by large LMs and most likely to be harmed by negative environmental consequences of its resource consumption. At the scale we are discussing (outlined in §2), the first consideration should be the environmental cost.

Just as environmental impact scales with model size, so does the difficulty of understanding what is in the training data. In §4, we discuss how large datasets based on texts from the Internet overrepresent hegemonic viewpoints and encode biases potentially

CRITICAL AI GUIDELINES

- **Safe and Effective Systems**: You should be protected from unsafe or ineffective systems.
- **Algorithmic Discrimination Protections**: You should not face discrimination by algorithms and systems should be used and designed in an equitable way.
- **Data Privacy**: You should be protected from abusive data practices via built-in protections and you should have agency over how data about you is used.
- **Notice and Explanation**: You should know that an automated system is being used and understand how and why it contributes to outcomes that impact you.
- **Human Alternatives, Consideration, and Fallback**: You should be able to opt out, where appropriate, and have access to a person who can quickly consider and remedy problems you encounter. ⁸

<https://criticalai.org/2023/07/17/a-blueprint-for-an-ai-bill-of-rights-for-education-kathryn-conrad/>

Introducing Our AI Policy

The policy – which prioritizes transparency, credit, and consent – goes into effect on August 29.

by Susannah Page-Katz, Director of Trust & Safety in News, Policy
August 1, 2023 — 3 min read



Introducing
Our AI Policy

In the past year, there's been a lot of discussion about AI. It's particularly top of mind for creatives – some who are exploring ways that AI can enhance their work and others who are thinking through what the latest advancements mean for credit, consent, and their livelihoods. As a platform for

<https://updates.kickstarter.com/introducing-our-new-ai-policy/>



Critical AI : first issue coming in Aug. 23! :) @CriticalAI · Jul 24 ...

Re opening para: There was nothing at all "unexpected" about the arrival of ChatGPT: and we shouldn't forget that the main difference b/w it and its precursors is very much to do w/ human labor.



2 1 5 236



Critical AI : first issue coming in Aug. 23! :) @CriticalAI · Jul 24 ...

The fact that some homework is "solvable by a computer" is a _logistical_ issue: students still need practice in order to learn, & some kind of assessment to demonstrate that they have done so. The trumped up crisis over "cheating" just needs some common sense & ingenuity. +

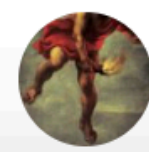
1 1 5 168



Critical AI : first issue coming in Aug. 23! :) @CriticalAI · Jul 24 ...

To me "disruption" is a marketing cliché. But it's often used to to describe a "winner takes all" power grab in progress. No actual gains in productivity, or quality of product: just a transfer of wealth from the many to the few. What kind of progress is that? +

1 1 4 182



Critical AI : first issue coming in Aug. 23! :) @CriticalAI · Jul 24 ...

You're right that "disinformation" is harmful; but why then chastise those working on the roads we need or assume these efforts will fail?

<https://twitter.com/criticalai/status/1683357408951762944?s=46&t=RoOizbaKqjcfqxOtFM0TdA>

Teaching with AI

We're releasing a guide for teachers using ChatGPT in their classroom—including suggested prompts, an explanation of how ChatGPT works and its limitations, the efficacy of AI detectors, and bias.

[Find additional resources in our new FAQ](#)



<https://openai.com/blog/teaching-with-ai>

RUTGERS AI COUNCIL, TEACHING CRITICAL AI LITERACY DOCUMENT:

prepared by Lauren M. E. Goodlad and Sharon Stoerger in collaboration with the AI Round Table Advisory Council and with support from the Office of Teaching Evaluation and Assessment Research. Special thanks to Emily M. Bender for her advice on an early draft.

For an additional resource, register for [Critical AI's upcoming October 6 event](#) by clicking [here](#).

TEACHING CRITICAL AI LITERACY: Advice for the New Semester

This document offers a provisional set of resources to help instructors make informed decisions and equip themselves for productive discussions as they prepare for a new semester. We provide

- (1) a brief introduction to “artificial intelligence,” followed by
- (2) discussion of critical AI literacy for educators and students,
- (3) discussion of the implications of “generative AI” tools for academic integrity,
- (4) suggestions for updating syllabi, and
- (5) a short list of potential resources.

“AI” is a complicated subject with many far-reaching implications: we have sought to strike a balance between brevity and comprehensiveness.

We invite you to reach out to the advisory council’s members for additional information and/or questions.

1. *What is Artificial Intelligence (AI)?*

Artificial Intelligence (AI) has become a common term for an emerging set of computer technologies that affect individuals, communities, societies, and the environment at a global scale. Although the phrase “AI” was coined in the 1950s, it has undergone multiple transformations as a field of research and, until recently, was familiar to the

<https://docs.google.com/document/d/1TAXqYGid8sQz8v1ngTLD1qZBx2rNKHeKn9mcfWbFzRO/mobilebasic>

CURRENT REGULATIONS



US Senate hearings regarding the use of AI

stability.ai

May 13, 2023

stability.ai

The Honorable Richard Blumenthal
Chair, Subcommittee on Privacy,
Technology, and the Law
United States Senate
706 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Josh Hawley
Ranking Member, Subcommittee on Privacy,
Technology, and the Law
United States Senate
115 Russell Senate Office Building
Washington, D.C. 20510

Dear Chairman Blumenthal and Ranking Member Hawley,

Stability AI appreciates the opportunity to offer written comments to the Senate Judiciary Subcommittee on Privacy, Technology, and the Law. Stability AI is committed to transparency in AI, and we welcome the Subcommittee's scrutiny of these important technologies.

On March 22, I was one of the few Chief Executive Officers in the AI industry to join an open letter calling for greater caution in the development of powerful AI models.¹ Subsequently, on May 4, the White House announced that Stability AI will participate in a groundbreaking initiative to evaluate large AI models through community-led testing.² We welcome this collaboration – public oversight starts with public scrutiny.



AI CEO's meet at the White House, agreeing to "safe, secure, and trustworthy AI" with President Joe Biden

Despite Cheating Fears, Schools Repeal ChatGPT Bans

Some districts that once raced to block A.I. chatbots are now trying to embrace them.

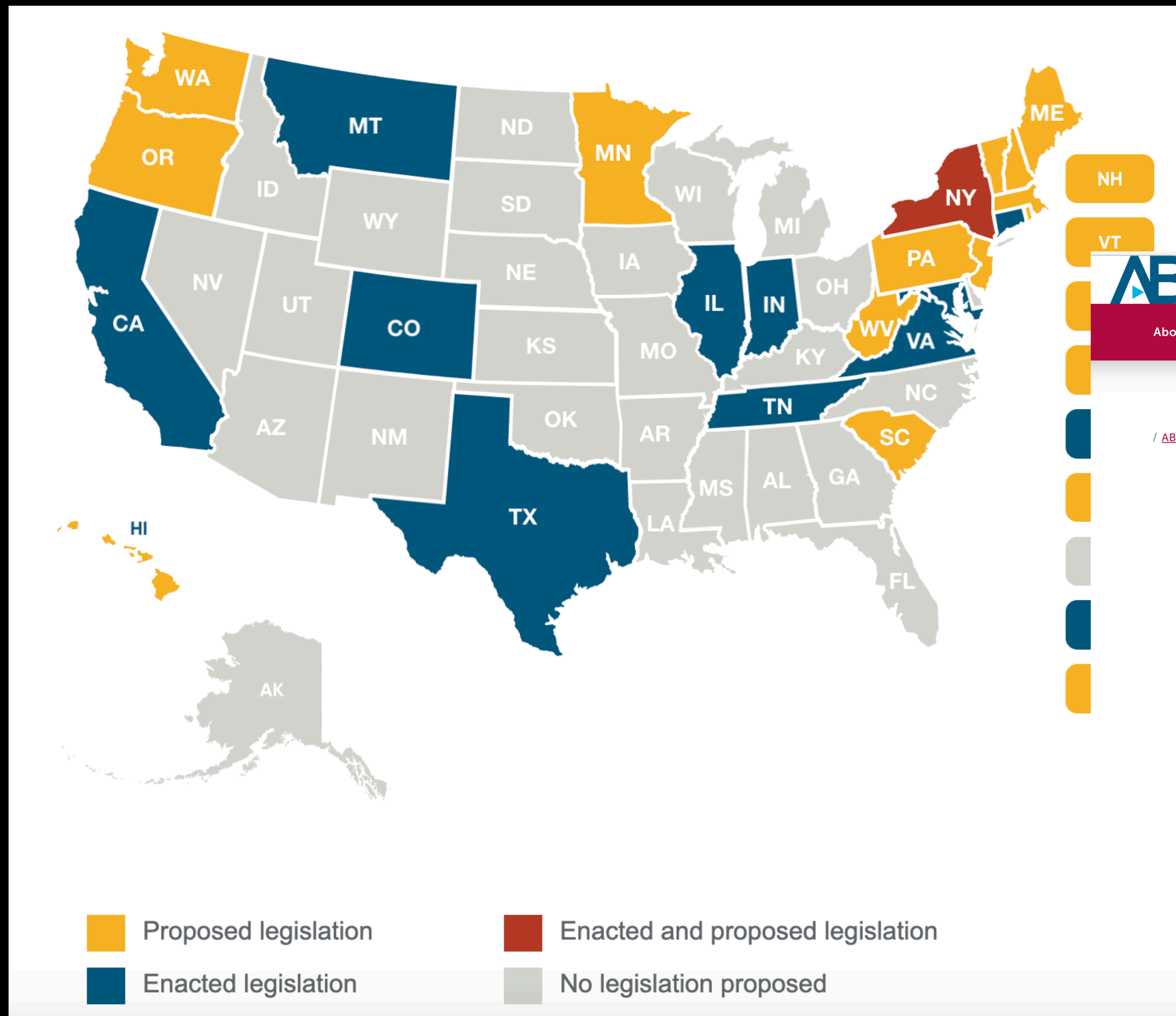


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155

<https://www.nytimes.com/2023/08/24/business/schools-chatgpt-chatbot-bans.html>



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June 14, 2023 **LEGAL REBELS**

What could AI regulation in the US look like?

By Victor Li

Share: [f](#) [t](#) [in](#) [✉](#) [🖨](#)

“The regulation of artificial intelligence (AI) in the United States has been a topic of growing concern and discussion in recent years. As AI technology continues to advance and become more integrated into various aspects of society, policymakers and lawmakers have recognized

<https://www.americanbar.org/groups/journal/podcast/what-could-ai-regulation-in-the-us-look-like/>

AI legislation by state - <https://www.bclplaw.com/en-US/events-insights-news/2023-state-by-state-artificial-intelligence-legislation-snapshot.html>

G-7 IN JAPAN

Banning generative AI is not an option for Germany: minister

European digital ministers at G-7 meet back use after Italy bans ChatGPT



<https://asia.nikkei.com/Spotlight/G-7-in-Japan/Banning-generative-AI-is-not-an-option-for-Germany-minister2>

EU AI Act: first regulation on artificial intelligence

Society Updated: 14-06-2023 - 14:06
Created: 08-06-2023 - 11:40

The use of artificial intelligence in the EU will be regulated by the AI Act, the world's first comprehensive AI law. Find out how it will protect you.



<https://www.europarl.europa.eu/news/en/headlines/society/20230601STO93804/eu-ai-act-first-regulation-on-artificial-intelligence>



The AI Power Paradox

Can States Learn to Govern Artificial Intelligence—Before It’s Too Late?

By [Ian Bremmer and Mustafa Suleyman](#) September/October 2023

Published on August 16, 2023



Most-Read Articles

Will the West Abandon

Kyiv Must Prepare for
Heart in America and

Liana Fix and Michael K

<https://www.foreignaffairs.com/world/artificial-intelligence-power-paradox>

ADOBE FIREFLY

The FAIR Act: A new right to protect artists in the age of AI



Dana Rao
09-12-2023



<https://blog.adobe.com/en/publish/2023/09/12/fair-act-to-protect-artists-in-age-of-ai>

HOMework

Homework

- Choose topic for research presentation (sign up list on Google Sheets - TA will email link)
- You should find time to read/listen/watch the selected material
- Explore additional articles, videos, research, artworks relevant to you group's topic
- Discuss and organize a presentation of the material with your partner
- For the presentations, consider the following questions: What's the thesis of the work / topic? What elements do you agree with or disagree with? What are the main issues? Potentials? Dangers?
- Prepare 5 - 8 minute overview for class on Monday
- On Monday, you will need to offer comments / feedback on at least 2 other student presentations (part of course credit / grading)
- If you cannot make it, please contact me a.s.a.p.

Homework

Topic: Copyright

- "The Next Rembrandt" <https://www.nextrembrandt.com/>
- "A Convincing Rembrandt Painting Crafted With 3-D Printing : All Tech Considered : NPR" <https://www.npr.org/sections/alltechconsidered/2016/04/06/473265273/a-new-rembrandt-from-the-frontiers-of-ai-and-not-the-artists-atelier>
- "OpenAI's MuseNet generates AI music at the push of a button - The Verge" <https://www.theverge.com/2019/4/26/18517803/openai-musenet-artificial-intelligence-ai-music-generation-lady-gaga-harry-potter-mozart>
- "AI Drake and The Weeknd Collab Submitted To GRAMMYs | Hypebeast" <https://hypebeast.com/2023/9/ghostwriter-ai-drake-the-weeknd-collab-song-heart-on-my-sleeve-submitted-grammy-awards>
- "Revealed: The Authors Whose Pirated Books Are Powering Generative AI - The Atlantic" <https://www.theatlantic.com/technology/archive/2023/08/books3-ai-meta-llama-pirated-books/675063/>
- "Getty Images Sues AI Company Over Hideous Frankenphotos (forbes.com)" <https://www.forbes.com/sites/mattnovak/2023/02/06/getty-images-sues-ai-company-over-hideous-frankenphotos/>
- "Getty Images lawsuit says Stability AI misused photos to train AI | Reuters" <https://www.reuters.com/legal/getty-images-lawsuit-says-stability-ai-misused-photos-train-ai-2023-02-06/>
- "US Supreme Court rejects computer scientist's lawsuit over AI-generated inventions | Reuters" <https://www.reuters.com/legal/us-supreme-court-rejects-computer-scientists-lawsuit-over-ai-generated-2023-04-24/>
- "As Fight Over A.I. Artwork Unfolds, Judge Rejects Copyright Claim - The New York Times" <https://www.nytimes.com/2023/08/21/arts/design/copyright-ai-artwork.html>
- "Use of Artificial Intelligence to Determine Copyright Liability for Mu" by Shine Sean Tu" <https://researchrepository.wvu.edu/wvlr/vol123/iss3/6/>

Homework

Topic: Deepfakes

- "Deepnude: The Horrifying App Undressing Women <https://www.vice.com/en/article/kzm59x/deepnude-app-creates-fake-nudes-of-any-woman>
- "Deepfake Porn Creator Deletes Internet Presence After Tearful 'AtrioC' Apology" <https://www.vice.com/en/article/jgp7ky/atric-deepfake-porn-apology>
- "The People Onscreen Are Fake. The Disinformation Is Real." <https://www.nytimes.com/2023/02/07/technology/artificial-intelligence-training-deepfake.html>
- "When seeing is no longer believing: Inside the Pentagon's race against deepfake videos" <https://www.cnn.com/interactive/2019/01/business/pentagons-race-against-deepfakes/>
- "A deepfake video showing Volodymyr Zelenskyy surrendering worries experts : NPR" <https://www.npr.org/2022/03/16/1087062648/deepfake-video-zelenskyy-experts-war-manipulation-ukraine-russia>
- "Deepfake Technology: Assessing Security Risk | American University, Washington, D.C." https://www.american.edu/sis/centers/security-technology/deepfake_technology_assessing_security_risk.cfm
- "Deepfakes Are Going To Wreak Havoc On Society. We Are Not Prepared (forbes.com)" <https://www.forbes.com/sites/robtoews/2020/05/25/deepfakes-are-going-to-wreak-havoc-on-society-we-are-not-prepared/?sh=61fa0b874940>
- "Deepfakes and international conflict (brookings.edu)" https://www.brookings.edu/wp-content/uploads/2023/01/FP_20230105_deepfakes_international_conflict.pdf

Homework

Topic: Impact on Creative Industries

- “Google and Universal Music working on licensing voices for AI-generated songs | Artificial intelligence (AI)” <https://www.theguardian.com/technology/2023/aug/09/google-and-universal-music-working-on-licensing-voices-for-ai-generated-songs>
- “Is A.I. Art Stealing from Artists? | The New Yorker” <https://www.newyorker.com/culture/infinite-scroll/is-ai-art-stealing-from-artists>
- “How Generative AI Could Disrupt Creative Work (hbr.org)” <https://hbr.org/2023/04/how-generative-ai-could-disrupt-creative-work>
- “How AI Is Changing The Future Of Creative Enterprise (forbes.com)” <https://www.forbes.com/sites/forbestechcouncil/2023/03/27/how-ai-is-changing-the-future-of-creative-enterprise/?sh=7eccd3615e61>
- “The Future of AI in Creative Industries: Opportunities and Challenges | by Abhishek Mishra | Medium” <https://medium.com/@abhishekmishra13k/the-future-of-ai-in-creative-industries-opportunities-and-challenges-d1bec830dd3a>
- “AI is an opportunity for creative industries, says Bertelsmann boss | Financial Times (ft.com)” <https://www.ft.com/content/1a02c92c-b5e6-454d-a303-44b7db04e306>

Homework

Topic: Bias and Inclusivity

- “AI can be sexist and racist — it’s time to make it fair (nature.com)” <https://www.nature.com/articles/d41586-018-05707-8>
- “AI is biased. The White House is working with hackers to try to fix that : NPR” <https://www.npr.org/2023/08/28/1196297067/ai-is-biased-the-white-house-is-working-with-hackers-to-try-to-fix-that>
- “Why it’s impossible to build an unbiased AI language model | MIT Technology Review” <https://www.technologyreview.com/2023/08/08/1077403/why-its-impossible-to-build-an-unbiased-ai-language-model/>
- “Black Artists Say A.I. Shows Bias, With Algorithms Erasing Their History - The New York Times (nytimes.com)” <https://www.nytimes.com/2023/07/04/arts/design/black-artists-bias-ai.html>
- “AI in medicine need to counter bias, and not entrench it more : Shots - Health News : NPR” <https://www.npr.org/sections/health-shots/2023/06/06/1180314219/artificial-intelligence-racial-bias-health-care>
- “Cognitive diversity-centred AI can improve social inclusion | World Economic Forum (weforum.org)” <https://www.weforum.org/agenda/2023/04/how-cognitive-diversity-and-disability-centred-ai-can-improve-social-inclusion/>
- “Can AI Increase Diversity On Tech Teams? The Jury Is Out (forbes.com)” <https://www.forbes.com/sites/jenniferhicks/2023/08/27/can-ai-increase-diversity-on-tech-teams-the-jury-is-out/?sh=4551faaf2821>
- “Facebook Pulls Its New ‘AI For Science’ Because It’s Broken and Terrible (vice.com) ” <https://www.vice.com/en/article/3adyw9/facebook-pulls-its-new-ai-for-science-because-its-broken-and-terrible>

Homework

Topic: Alignment

- “Open AI | Our approach to alignment research” <https://openai.com/blog/our-approach-to-alignment-research>
- “AI Scientists: Safe and Useful AI?” <https://yoshuabengio.org/2023/05/07/ai-scientists-safe-and-useful-ai/>
- “What is the alignment problem and how can it be solved?” <https://www.newscientist.com/article/mg25834382-000-what-is-the-ai-alignment-problem-and-how-can-it-be-solved/>

Homework

Topic: Privacy Concerns

- “Are my ChatGPT messages private? - The Washington Post” <https://www.washingtonpost.com/technology/2023/04/27/chatgpt-messages-privacy/>
- “OpenAI rolls out 'incognito mode' on ChatGPT | Reuters” <https://www.reuters.com/technology/openai-rolls-out-incognito-mode-chatgpt-2023-04-25/>
- “India bans TikTok, WeChat and dozens more Chinese apps - BBC News” <https://www.bbc.com/news/technology-53225720>
- “Why Countries Are Trying to Ban TikTok - The New York Times (nytimes.com)” <https://www.nytimes.com/article/tiktok-ban.html>
- “ChatGPT banned in Italy over privacy concerns - BBC News” <https://www.bbc.com/news/technology-65139406>
- “Know It All: AI And Police Surveillance : 1A : NPR” <https://www.npr.org/2023/02/23/1159084476/know-it-all-ai-and-police-surveillance#:~:text=becoming%20a%20reality.,Today%2C%20artificial%20intelligence%20is%20being%20used%20by%20law%20enforcement%20for,continued%20racial%20profiling%20in%20policing>
- “Political Declaration on Responsible Military Use of Artificial Intelligence and Autonomy - United States Department of State” <https://www.state.gov/political-declaration-on-responsible-military-use-of-artificial-intelligence-and-autonomy/>
- “The US Military Is Taking Generative AI Out for a Spin - Bloomberg” <https://www.bloomberg.com/news/newsletters/2023-07-05/the-us-military-is-taking-generative-ai-out-for-a-spin>
- “In U.S.-China AI contest, the race is on to deploy killer robots (reuters.com)” <https://www.reuters.com/investigates/special-report/us-china-tech-drones/>
- “How China Is Using Artificial Intelligence in Classrooms | WSJ - YouTube” <https://www.youtube.com/watch?v=JMLsHI8aV0g>

Homework

Topic: Information and Cultural Warfare - Misinformation

- "AI presents political peril for 2024 with threat to mislead voters" <https://apnews.com/article/artificial-intelligence-misinformation-deepfakes-2024-election-trump-59fb51002661ac5290089060b3ae39a0>
- "You Won't Believe What Obama Says In This Video! 🤔" <https://www.youtube.com/watch?v=cQ54GDm1eL0>
- "Dissecting the #PizzaGate Conspiracy Theories" <https://www.nytimes.com/interactive/2016/12/10/business/media/pizzagate.html>
- "QAnon | ADL" <https://www.adl.org/resources/backgrounders/qanon>
- "Tweeting through the Great Firewall" <https://www.google.com/url?q=https://www.aspi.org.au/report/tweeting-through-great-firewall&sa=D&source=docs&ust=1694566543289778&usg=AOvVaw2KVwu5yqwxWgn5EaxLjZmH>
- "Scientists found over 1,000 AI bots on X stealing selfies to create fake accounts" <https://nypost.com/2023/08/24/scientists-found-1140-ai-bots-on-x-creating-fake-profiles/>
- "Could AI swamp social media with fake accounts?" <https://www.bbc.com/news/business-64464140>
- "AI IS ABOUT TO MAKE SOCIAL MEDIA (MUCH) MORE TOXIC" <https://www.theatlantic.com/technology/archive/2023/05/generative-ai-social-media-integration-dangers-disinformation-addiction/673940/>
- "AI Is Tearing Wikipedia Apart" <https://www.vice.com/en/article/v7bdba/ai-is-tearing-wikipedia-apart>
- "Mushroom pickers urged to avoid foraging books on Amazon that appear to be written by AI" https://www.theguardian.com/technology/2023/sep/01/mushroom-pickers-urged-to-avoid-foraging-books-on-amazon-that-appear-to-be-written-by-ai?CMP=Share_iOSApp_Other

Homework

Topic: Information and Cultural Warfare - Misinformation

- "A Genocide Incited on Facebook, With Posts From Myanmar's Military - The New York Times (nytimes.com)" <https://www.nytimes.com/2018/10/15/technology/myanmar-facebook-genocide.html>
- <https://www.justice.gov/file/1035477/download>
- "Jacinda Ardern Consoles Families After New Zealand Shooting" <https://www.nytimes.com/2019/03/15/world/asia/new-zealand-shooting.html>
- "Social Media Misinformation and the Prevention of Political Instability and Mass Atrocities" <https://www.stimson.org/2022/social-media-misinformation-and-the-prevention-of-political-instability-and-mass-atrocities/>
- "Meme Warfare: AI countermeasures to disinformation should focus on popular, not perfect, fakes" <https://thebulletin.org/premium/2021-05/meme-warfare-ai-countermeasures-to-disinformation-should-focus-on-popular-not-perfect-fakes/>

Homework

Topic: AI in Film and TV

- “Merchant: How Silicon Valley mind-set begat Hollywood's strike - Los Angeles Times (latimes.com)” https://www.latimes.com/business/technology/story/2023-07-21/column-hollywood-sag-aftra-strike-strike-silicon-valleys-magical-thinking?fbclid=IwAR13NnJE0whOm9ZuJhxeWH9HJgaDr_Hc7ucA0dkrT5UT3iRtncu9HuAi
- “AI is the wild card in Hollywood's strikes. Here's an explanation of its unsettling role | AP News” <https://apnews.com/article/artificial-intelligence-hollywood-strikes-explained-writers-actors-e872bd63ab52c3ea9f7d6e825240a202>
- “Studios look for AI hires amid strikes by actors and writers - Los Angeles Times (latimes.com)” <https://www.latimes.com/entertainment-arts/business/story/2023-08-02/actors-strike-writers-strike-ai-hires-automation-hollywood>
- “Movie extras worry they'll be replaced by AI. Hollywood is already doing body scans : NPR” <https://www.npr.org/2023/08/02/1190605685/movie-extras-worry-theyll-be-replaced-by-ai-hollywood-is-already-doing-body-scan#:~:text=There%20are%20AI%2Dpowered%20film,speaking%20in%20an%20overdubbed%20language>
- “Artificial Intelligence Can Augment Film Production and Editing - Variety” <https://variety.com/vip/how-artificial-intelligence-will-augment-human-creatives-in-film-and-video-production-1235672659/>
- “Exclusive: Watch the world premiere of the AI-generated short film The Frost. | MIT Technology Review” <https://www.technologyreview.com/2023/06/01/1073858/surreal-ai-generative-video-changing-film/>
- “AI Isn't Hollywood's Villain—It's a Flawed Hero | WIRED” <https://www.wired.com/story/artificial-intelligence-film/>

Homework

Topic: Risks of AI

- “When A.I. Lies About You, There’s Little Recourse - The New York Times (nytimes.com)” <https://www.nytimes.com/2023/08/03/business/media/ai-defamation-lies-accuracy.html>
- “The Illusion Of AI’s Existential Risk (noemamag.com)” <https://www.noemamag.com/the-illusion-of-ais-existential-risk/>
- “‘The Godfather of AI’ Quits Google and Warns of Danger Ahead - The New York Times (nytimes.com)” <https://www.nytimes.com/2023/05/01/technology/ai-google-chatbot-engineer-quits-hinton.html>
- “On the Dangers of Stochastic Parrots: Can Language Models Be Too Big? ”1F99C (acm.org)” <https://dl.acm.org/doi/pdf/10.1145/3442188.3445922>
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