



Hvordan kunstig intelligens endrer internett, kilder og påvirkning?

Petter Bae Brandtzæg

Universitetet i Oslo & SINTEF

Sarpsborg, 14.03.2024

Is Google Making Us Stupid?

Nicholas Carr

The Atlantic Monthly; Jul/Aug 2008; 302, 1; CBCA Reference

pg. 56

56

What the Internet is doing to our brains

BY NICHOLAS CARR

Illustration by Guy Billout

Is Google Making Us Stupid?

Rask informasjonsflyt
Fragmentering
Oppmerksomhetskrise
Dybdelæring svekkes

KI = Deskillings/ferdighetsreduksjon



Kognitive ferdigheter

- Kritisk tenkning svekkes, hukommelse og problemløsning outsources

Kreative ferdigheter

- KI tar over skriving, design og musikk

Sosiale ferdigheter

- Kommunikasjon og empati automatiseres

ChatGPT: Optimizing Language Models for Dialogue

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests. ChatGPT is a sibling model to [InstructGPT](#), which is trained to follow an instruction in a prompt and provide a detailed response.



Gi kunnskap

- Forklare vanskelige tema og begreper
- Gi sammendrag av artikler (legg inn lenke)

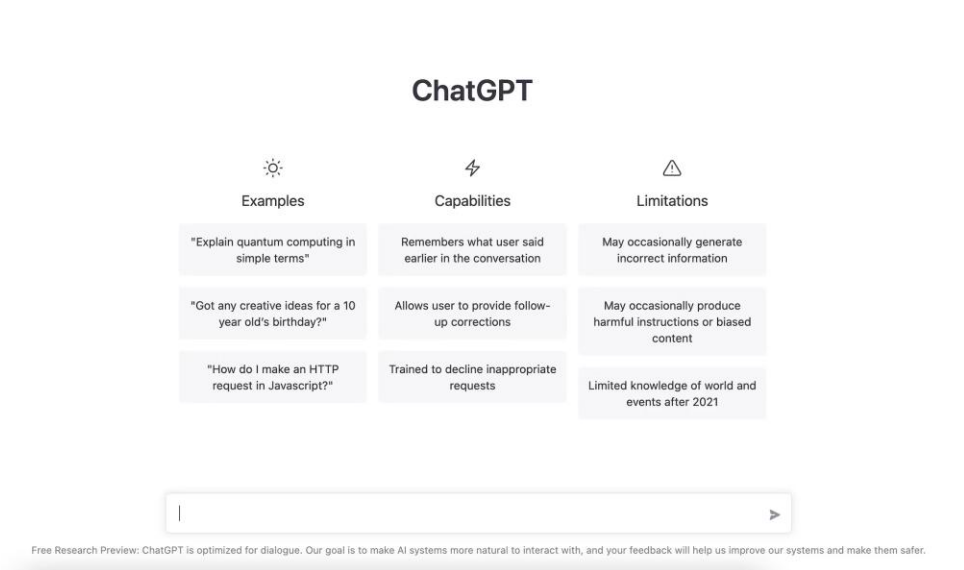
Skape: Kode dataprogrammer

Skrive:

- Skrive et essay/artikkel/tekst om alle emner/tema
- Skrive tekst i en bestemt stil/sjanger (akademisk, dikt etc)
- Forstå disposisjon (artikkel, essay, masteroppg)
- Oversette tekst
- Korte ned og forenkle store mengder tekst
- Redigere og språk-vaske tekst

Metode og analyse

- Hvordan løse en problemstilling
- Gi forslag til forskningsdesign
- Analysere data/tema
- Finne datakilder
- Forklare komplekse dataforhold, regne, matte
- Anbefale videre analyse
- Forslag til datavisualiseringer
- Hjelp til med dataanalyseoppgaver (excel eller spss)



Maskiner vs menneske

📌 🛠️ **Før: Fysiske oppgaver**
◆ Lav kompetanse → Lav inntekt

📌 🧠 **Nå: Kognitive oppgaver**
◆ Høy kompetanse → Høy inntekt





Jason Allen
Pueblo West
Théâtre D'opéra Spatial

\$750

Colorado State Fair

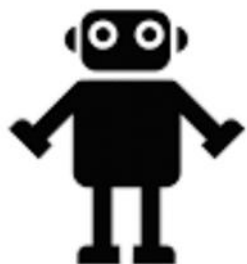
Innhold på nett - primærkilder blir KI-generert



Profesjonelt innhold



Bruker generert innhold



KI-generert innhold

Økning i KI-generert innhold



15 milliarder KI-genererte
bilder fra 2022-2023

Source Journal of Everypixel 2024

<https://journal.everypixel.com/ai-image-statistics> => 34 million images each day

GenKI i nyheter



Channel 1

@channel1_ai · Follow



See the highest quality AI footage in the world.



- Our generated anchors deliver stories that are informative, heartfelt and entertaining.

Watch the showcase episode of our upcoming news network now.



Watch on X

4:11 PM · Dec 12, 2023



2.5K



Reply



Share

Read 778 replies

Gi meg kun

Oppsummeringen er laget av AI-verktøyet ChatGPT og kvalitetssjekket av VG

Knappen til høyre gir leserne en KI-generert oppsummering av artikkelen. Skjermdump VG

Kunstig intelligens

VG tar i bruk ChatGPT til oppsummering av artikler

Artikkelen over er den første VG publiserte som inneholder en oppsummering laget ved hjelp av kunstig intelligens.



Roger Aarli-Grøndalen
ANSVARLIG REDAKTØR

PUBLISERT Fredag 24. mars 2023 - 14:30 SIST OPPDATERT Fredag 24. mars 2023 - 14:56

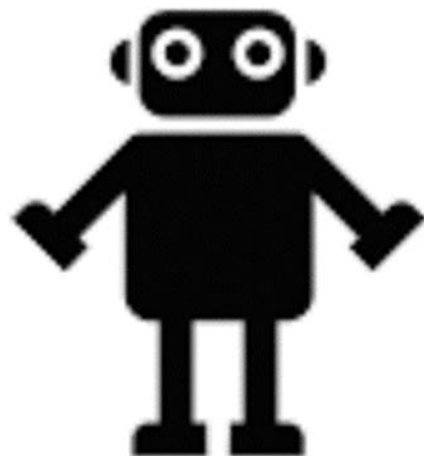


Kunstig intelligens og verktøy som ChatGPT testes nå ut i flere redaksjoner. Torsdag publiserte VG [den første artikkelen](#) hvor redaksjonen tar i bruk verktøyene for å lage korte oppsummeringer av innholdet.



GenKI inn i våre viktigste kilder

ChatGPT som ny kunnskapsautoritet



.08044v1 [cs.CL] 10 Oct 2024

The Rise of AI-Generated Content in Wikipedia

Creston Brooks Samuel Eggert Denis Peskoff

Princeton University

{cabrooks, sameggert, dp2896}@princeton.edu

Abstract

The rise of AI-generated content in popular information sources raises significant concerns about accountability, accuracy, and bias amplification. Beyond directly impacting consumers, the widespread presence of this content poses questions for the long-term viability of training language models on vast internet sweeps. We use GPTZero, a proprietary AI detector, and Binoculars, an open-source alternative, to establish lower bounds on the presence of AI-generated content in recently created Wikipedia pages. Both detectors reveal a marked increase in AI-generated content in recent pages compared to those from before the release of GPT-3.5. With thresholds calibrated to achieve a 1% false positive rate on pre-GPT-3.5 articles, detectors flag over 5% of newly created English Wikipedia articles as AI-generated, with lower percentages for German, French, and Italian articles. Flagged Wikipedia articles are typically of lower quality and are often self-promotional or partial towards a specific viewpoint on controversial topics.

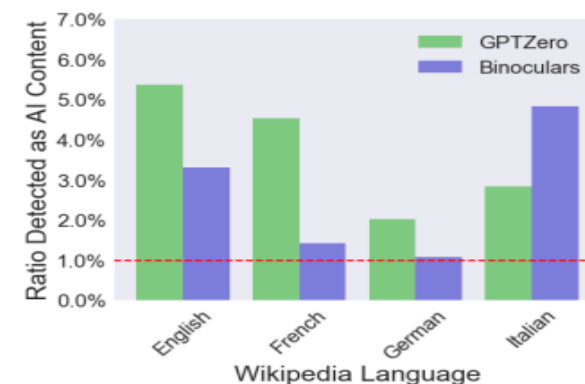


Figure 1: Using two tools, GPTZero and Binoculars, we detect that as many as 5% of 2,909 English Wikipedia articles created in August 2024 contain significant AI-generated content. The classification thresholds of both tools were calibrated to maintain a FPR of no more than 1% on a pre-GPT-3.5 Wikipedia baseline, as indicated by the red line.

KI-generert innhold inn i vitenskapen

Analyse 950.965 artikler fra jan 2020 til feb 2024

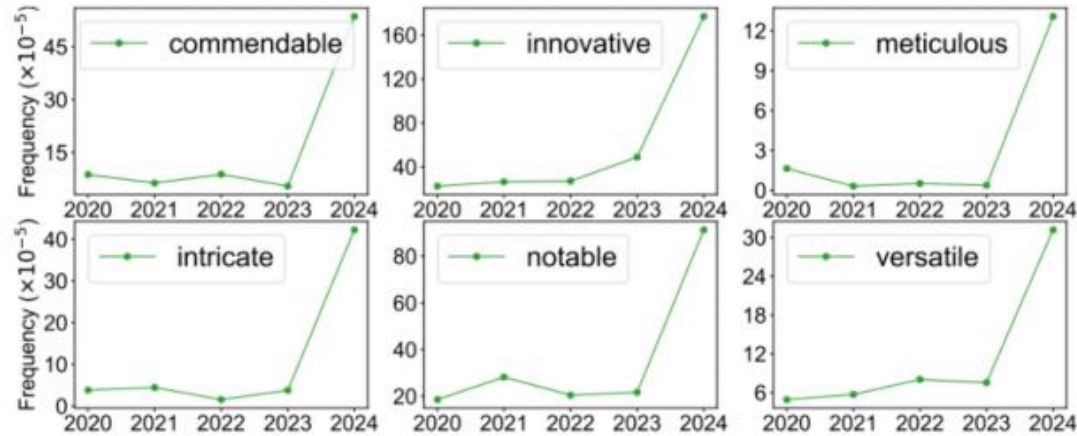


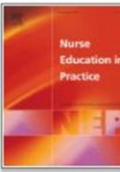
Figure 1: Shift in Adjective Frequency in *ICLR* 2024 Peer Reviews. We find a significant shift in the frequency of certain tokens in *ICLR* 2024, with adjectives such as “commendable”, “meticulous”, and “intricate” showing 9.8, 34.7, and 11.2-fold increases in probability of occurring in a sentence. We find a similar trend in *NeurIPS* but not in *Nature Portfolio* journals.

Kilde: Liang et al (2024) Mapping the Increasing Use of LLMs in Scientific Papers. ArXiv



Nurse Education in Practice

Volume 66, January 2023, 103537











Editorial

Open artificial intelligence platforms in nursing education: Tools for academic progress or abuse?

Siobhan O'Connor^a , ChatGPT^b

Begrensninger ved Generativ KI

- ◆   **Ikke en original kilde**
 - ◆ Bruker ukjente kilder og setter sammen nytt innhold
-   **Forstår ikke innhold eller kontekst**
 - ◆ Kan produsere feil, bias, utdaterte eller upassende svar
-   **Ingen live data**
 - ◆ Ikke tilgang til internett eller eksterne kilder (treningsdata)
-   **Fabrikkerer kilder**
 - ◆ Kan finne opp sitater og referanser – sjekk alltid kildene!



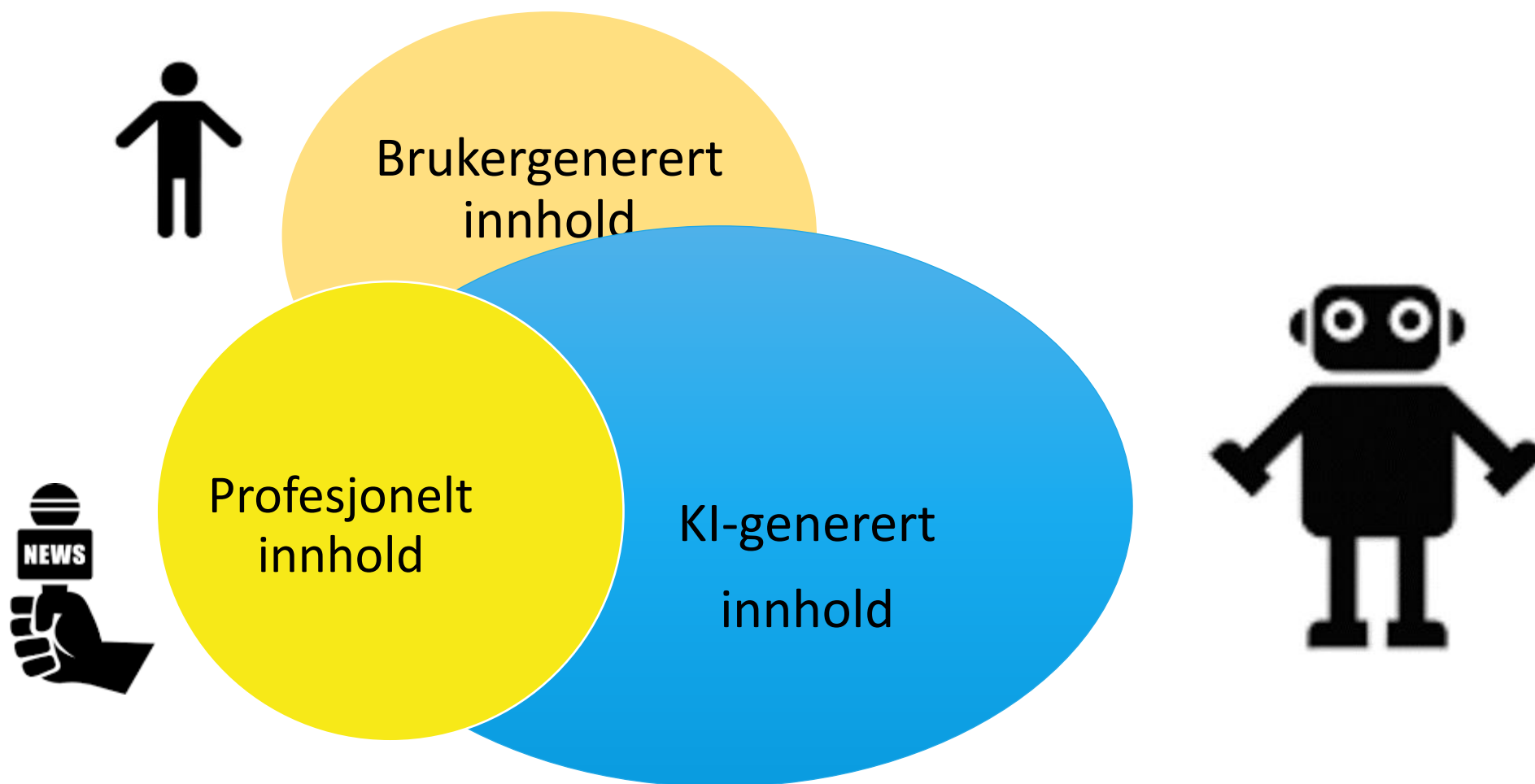
En ideologiske “KI-krig”

“ChatGPT write as a left-leaning liberal college student”

EXPERTS: 90% OF ONLINE CONTENT WILL BE AI-GENERATED BY 2026

AS THE ADAGE GOES: DON'T BELIEVE
EVERYTHING YOU SEE ONLINE!

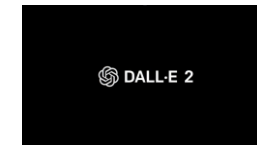
En ny offentlighet (full av feil)



Nye regimer



Synlighetsregimer
(Anbefalingsalgoritmer og innholdsmoderering)



Innholdsregimer
(Generativ KI, innholdsgenerering)

Maskinkultur

Machines
assimilate and
reinterpret
human cultural
outputs



Spenning mellom menneskekultur og maskinkultur

NEWS

POLITICS

U.S. NEWS

WORLD

BUSINESS

HEALTH

NBC NEWS TIPLINE

VIDEO

CULTURE & TRENDS

WATCH NOW

POP CULTURE NEWS

There's still no end in sight for the Hollywood strikes

The actors union hasn't heard from the studios since its members went on strike nearly two months ago, a source said, and there's no imminent deal for the writers union, either.



The Verge

THE VERGE

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ARTIFICIAL INTELLIGENCE / TECH / COPYRIGHT

Sarah Silverman is suing OpenAI and Meta for copyright infringement



The lawsuits allege the companies trained their AI models on books without permission.

By Wes Davis, a weekend editor who covers the latest in tech and entertainment. He has written news, reviews, and more as a tech journalist since 2020.
Jul 9, 2023, 8:14 PM GMT+2 | 139 Comments / 139 New

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Disrupted

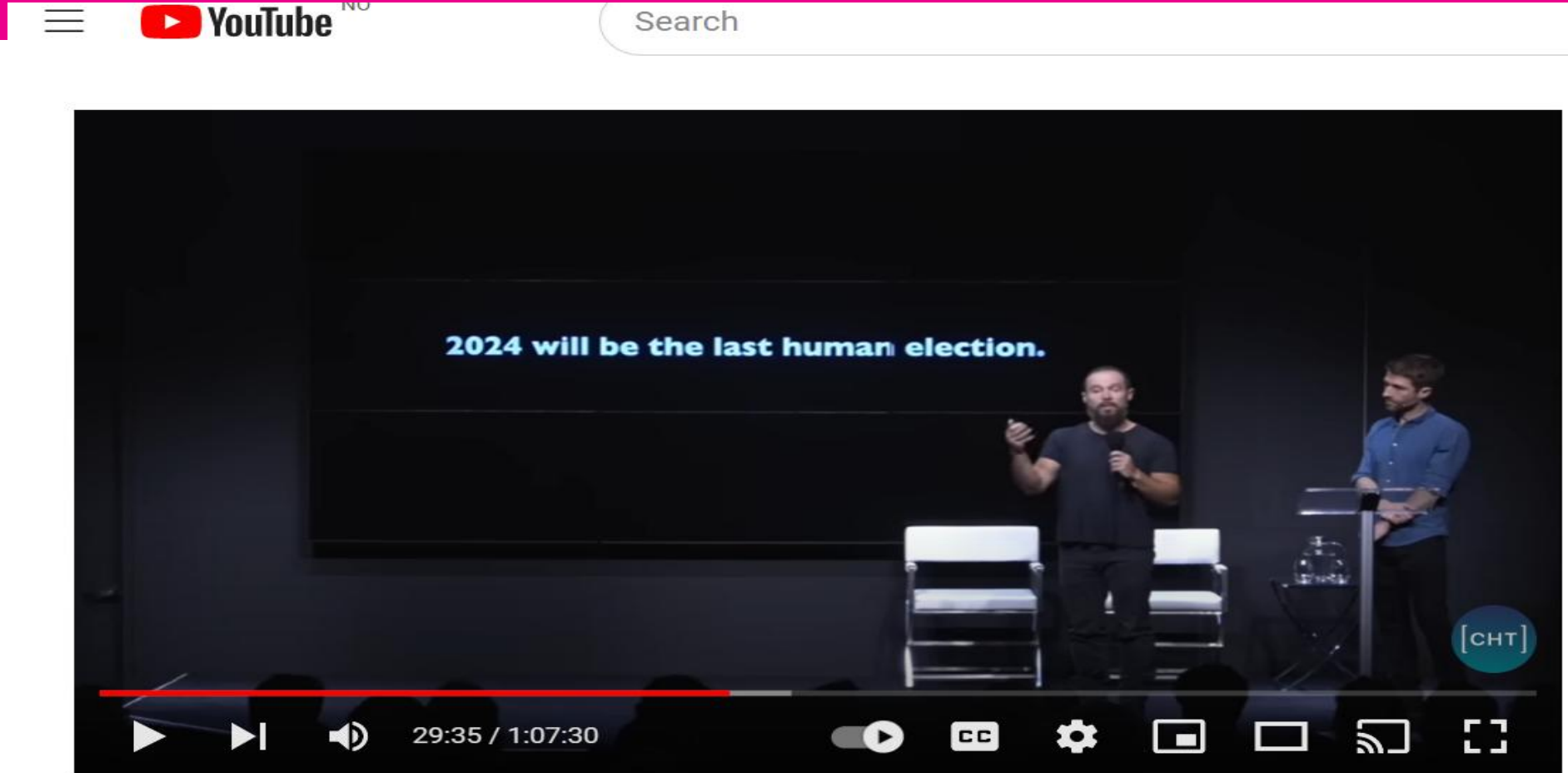
Actors decry 'existential crisis' over AI-generated 'synthetic' actors

By Dawn Chmielewski

July 21, 2023 8:07 PM GMT+2 · Updated 2 months ago



Siste menneskeskapte valg?



The A.I. Dilemma - March 9, 2023



Center for Humane Te...
15.6K subscribers

Subscribe

👍 5.8K



➦ Share

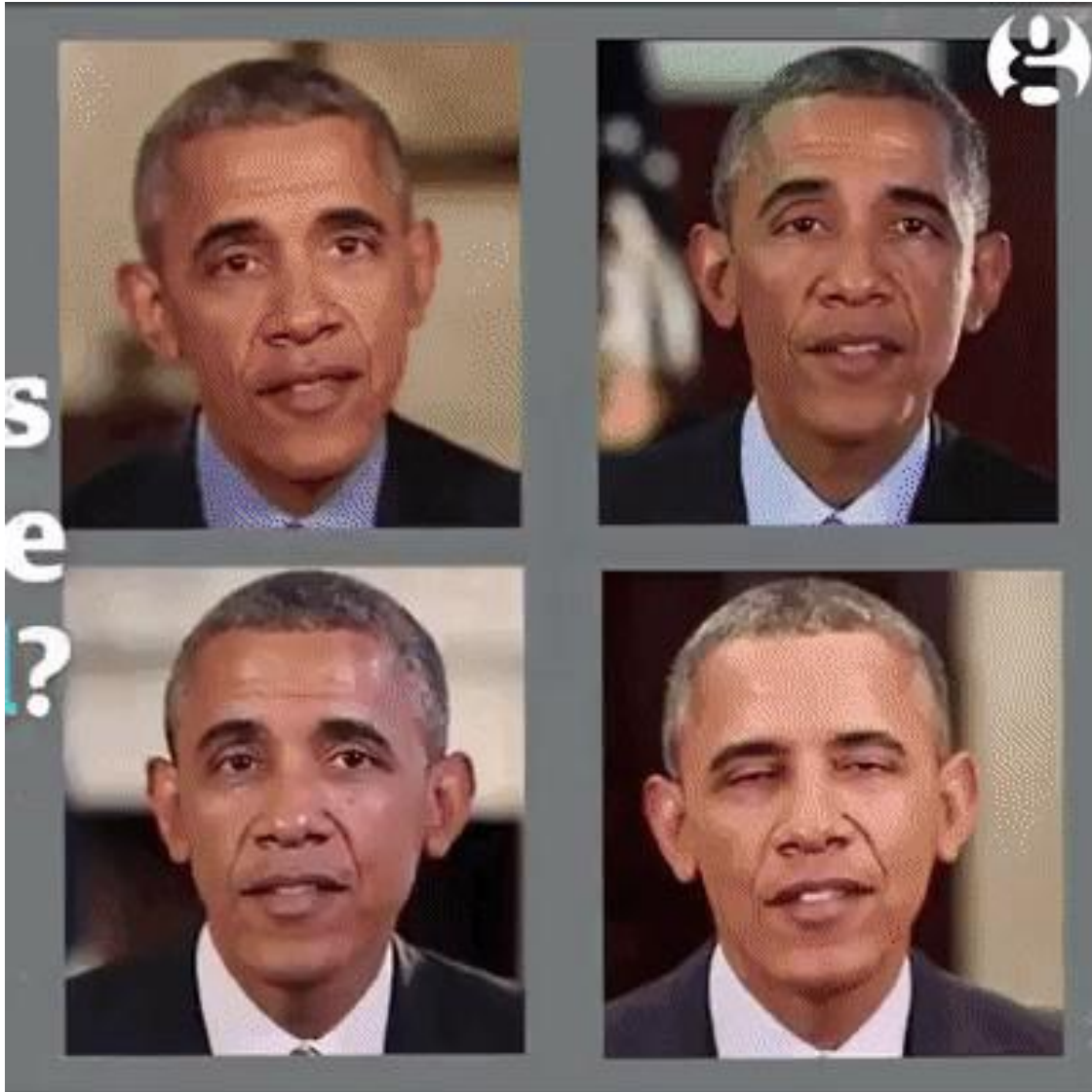


KI-drevet og mikrorettet manipulasjon?



En åpen og opplyst offentlig samtale?

Deepfake og Valgpåvirkning?



The
Alan Turing
Institute

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No evidence that AI disinformation or deepfakes impacted UK, French or European elections results

Thursday 19 Sep 2024

Filed under
[New research](#)

Ikke DeepFake, men KI-genererte karikaturer





Donald Trump Will Protect
The Kittens From Evil Hungry
Haitian Migrants That Harris
Allowed Into The Country!



TRUMP WILL SAVE YOUR PETS

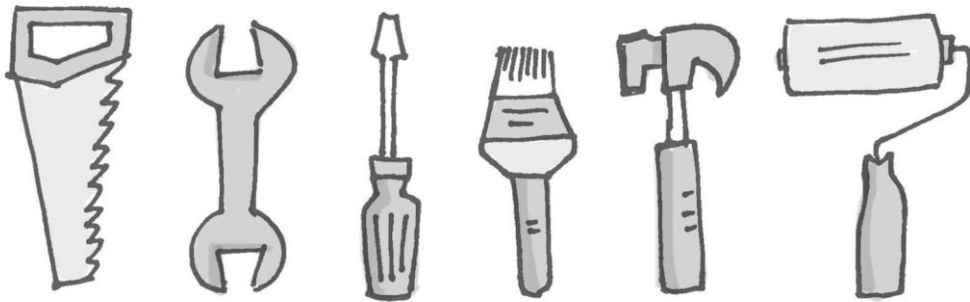
@Based_Opinion_

Tap av kontroll over eget narrativ

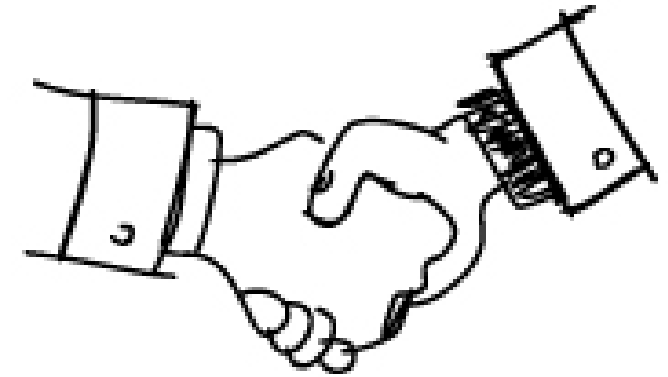




Fra Verktøy til Partner



Verktøy
(brukervennlighet)



Partner
(sosial kompetanse)

My AI Friend: How Users of a Social Chatbot Understand Their Human–AI Friendship 

Petter Bae Brandtzaeg , Marita Skjuve, Asbjørn Følstad

Human Communication Research, Volume 48, Issue 3, July 2022, Pages 404–429, <https://doi.org/10.1093/hcr/hqac008>

Trygt sted

“I know she doesn’t have any bad intentions, you know. But with a human, it’s really difficult.”

“a nonjudgmental friend that people can talk to 24/7.”

The AI
companion
who cares

How are you
doing today?

Masseprodusert personalisering og intimitet ved hjelp av KI



28



Skreddersydd KI – GPTs (filterbobbler)

The best Mental Health GPTs in 2024

Submit your amazing GPTs

Search

Language

ChatBots


Virtual Assistants

Image Generation

Productivity

Creative Writing


Personalized Learning



Therapist • Psychologist...

🥰 I Am Here For You 🥰 Reach out whenever you need emotional support, guidance, or just want to chat. Discover self-love. (medical...


@AIResearchPlus.com ★ 4.4 📊 300k+



Psychiatry GPT

Expert on psychiatry. Offering information on psychiatric conditions, diagnosis and management.


@Dr Jamshed Moidu ★ 4.8 📊 10k+



Therapist

Self-exploration to understand your internal world, recognise your role in challenges, accept unchangeable aspects, and navigate life...


@Anon ★ 4.4 📊 10k+



Christian Counsellor

A compassionate Christian Counsellor offering spiritual and moral guidance.


@Tomiwa Adefokun ★ 4.8 📊 5k+



精神科医益田裕介 (試作...

Empathetic Guide with Resourceful Insights


@YUSUKE MASUDA ★ 4.1 📊 5k+



Psicólogo y Terapeuta...

Este prompt está diseñado para actuar como un Psicólogo y Terapeuta Familiar Experto que te ayudará con cualquier situación emocional difi...


@Rodolfo Arce ★ 4.9 📊 5k+



Professional Psychiatrist...

stunspot's simulation of a psychiatrist


@Samuel Walker ★ 4.2 📊 1k+



Free_Prompt_Words

Prompt Words, Healing Music, Website public:


@Jian Li 📊 1k+



Psychoanalyst

Powerful and insightful. Ready to explore the subconscious world you didn't even know you had?


@@Lyahnhere ★ 4.4 📊 1k+



Career Counselor

Empathetic career counselor offering guidance and market insights


@Ross Frazier ★ 4 📊 1k+



Mon Psy

un expert en psychologie offrant un espace d'écoute et des conseils pour soutenir le bien-être mental et émotionnel. Ce GPT aide à...


@Jessy Bonnefoy ★ 4.9 📊 1k+



MindMateGPT

Mental health assistant guiding through reflective journaling.


@aitherapyresearch.ca ★ 4.7 📊 1k+



AI Psychologist Mental-...

Professional AI psychologist, relationships, soft skills. I can help you


@Yaroslav Bezridnyi ★ 4.1 📊 1k+



Psycho Assistant

A compassionate clinical psychology assistant, following DSM-5-TR criteria.


@Overlap Studio Inc ★ 4.3 📊 1k+



Marriage Counseling

Supportive marriage counseling advice

@ai-gen.co ★ 4.1 📊 1k+



Huberman Lab GPT

Mimics Dr. Huberman's approach in discussing neuroscience and health.

@Tyler Gibbs ★ 4.7 📊 1k+

Modellmakt

Ubalansert maktdynamikk

◆ påvirker dialog, valg og beslutninger

Overavhengighet av KI

◆ Cognitive offloading:
Svekket kritisk tenkning

AI & SOCIETY
<https://doi.org/10.1007/s00146-024-02053-4>

OPEN FORUM



Understanding model power in social AI

Petter Bae Brandtzaeg¹  · Marita Skjuve²  · Asbjørn Følstad² 

Received: 19 June 2024 / Accepted: 5 August 2024
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Abstract

Given the widespread integration of Social AI like ChatGPT, Gemini, Copilot, and MyAI, in personal and professional contexts, it is crucial to understand their effects on information and knowledge processing, and individual autonomy. This paper builds on Bråten's concept of model power, applying it to Social AI to offer a new perspective on the interaction dynamics between humans and AI. By reviewing recent user studies, we examine whether and how models of the world reflected in Social AI may disproportionately impact human-AI interactions, potentially leading to model monopolies where Social AI impacts human beliefs, behaviour and homogenize the worldviews of its users. The concept of model power provides a framework for critically evaluating the impact and influence that Social AI has on communication and meaning-making, thereby informing the development of future systems to support more balanced and meaningful human-AI interactions.

Keywords Social AI · Information processing · Knowledge · Autonomy · Model power

Hallusinering og desinformasjon: Ansvar?

VICE Video TV News Tech Rec Room Life Horoscopes

'He Would Still Be Here': Man Dies by Suicide After Talking with AI Chatbot, Widow Says

The incident raises concerns about guardrails around quickly-proliferating conversational AI models.

By [Chloe Xiang](#)

March 30, 2023, 9:59pm [Share](#) [Tweet](#) [Snap](#)

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How a chatbot encouraged a man who wanted to kill the Queen

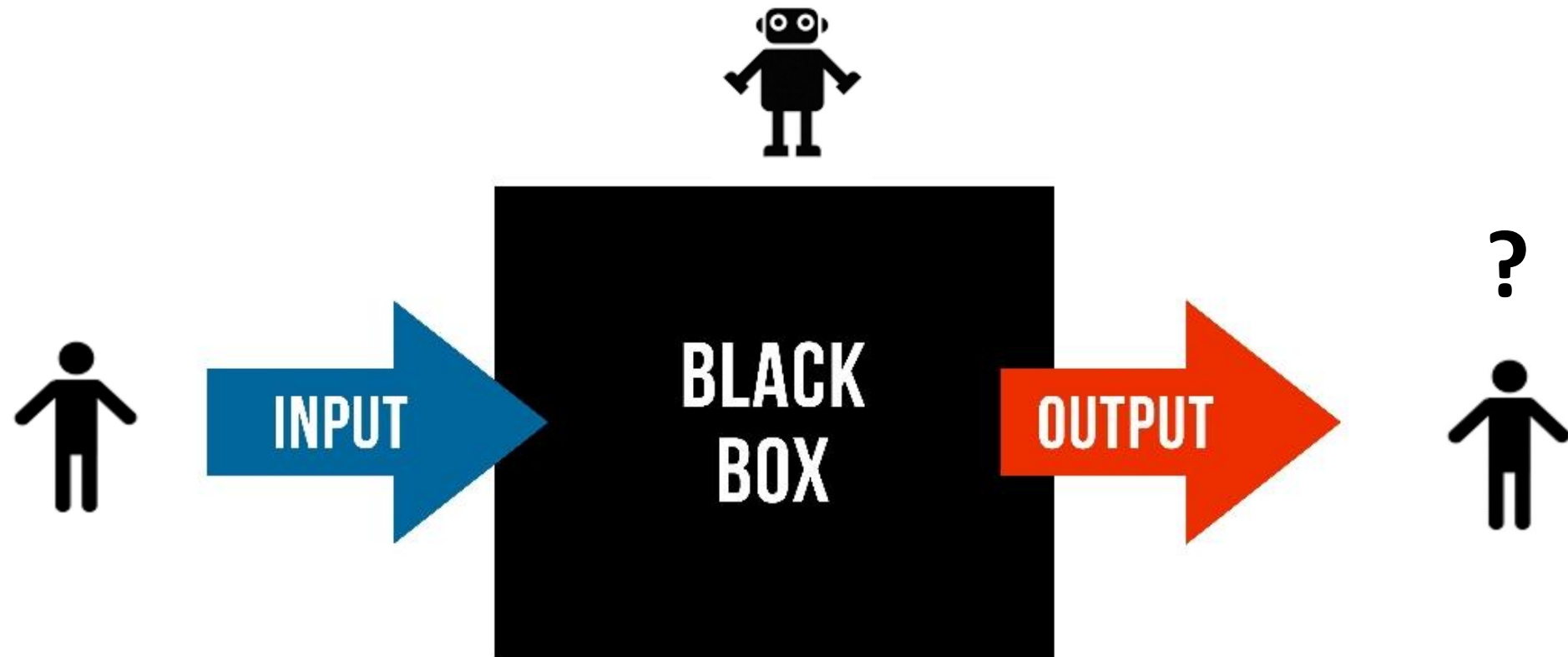
3 days ago



FAMILY HANDOUT
| Jaswant Singh Chail was intercepted by royal protection officers in the grounds of Windsor Castle

By **Tom Singleton, Tom Gerken & Liv McMahon**
Technology reporters, BBC News

Forklarbarhet og transparans

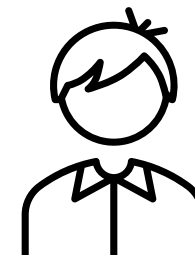
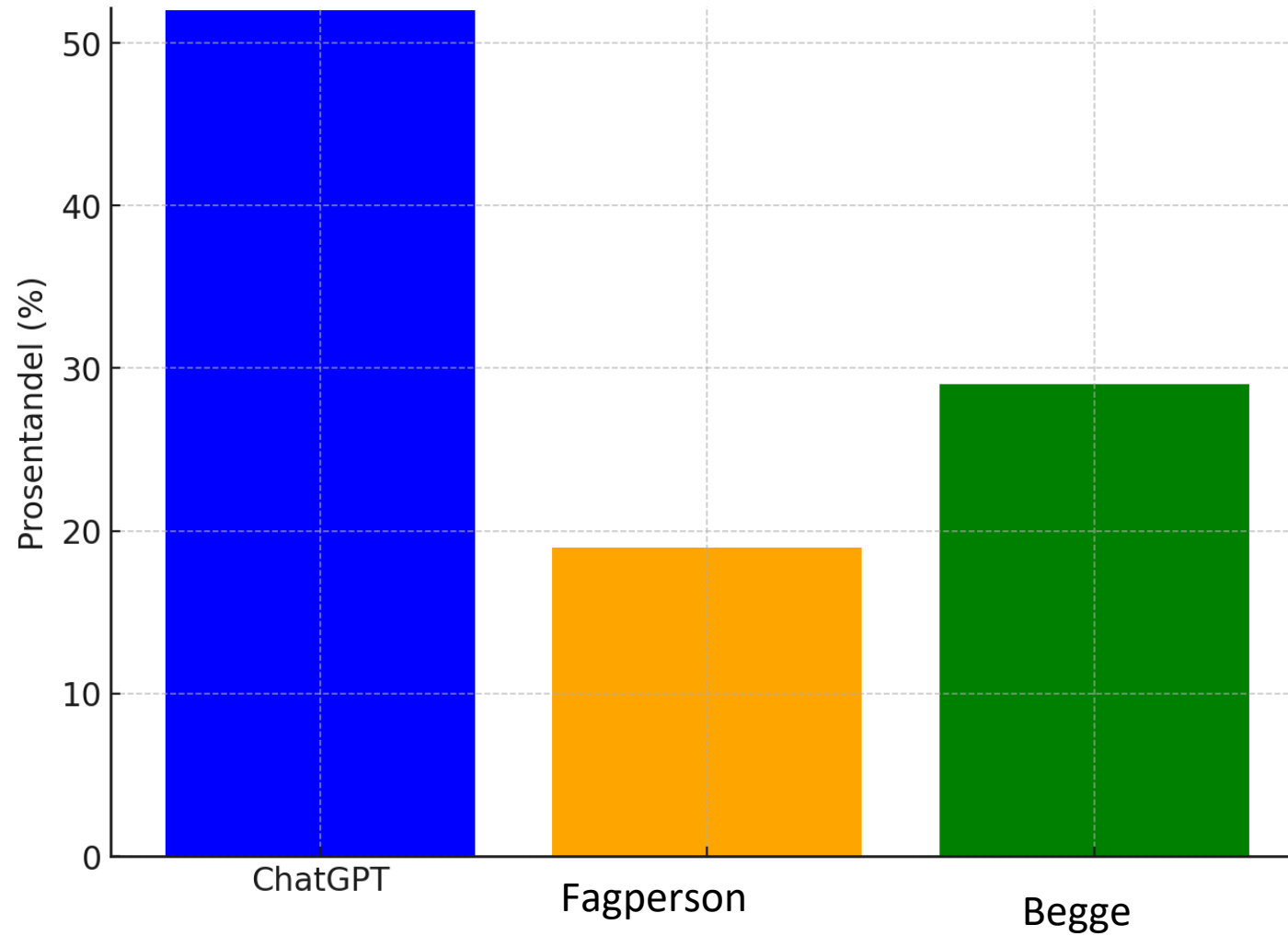


Maskin vs fagpersoner

(helsearbeidere, psykologer, leger etc)



123 elever (16-20 år): ChatGPT vs fagpersoner?



Hvorfor ChatGPT?



(1) **Informasjonsverdi – konkrete og nyttig**

“Concrete and useful advices and guidance to cope with the situation ”



(2) **Anerkjennelse – sett og hørt**

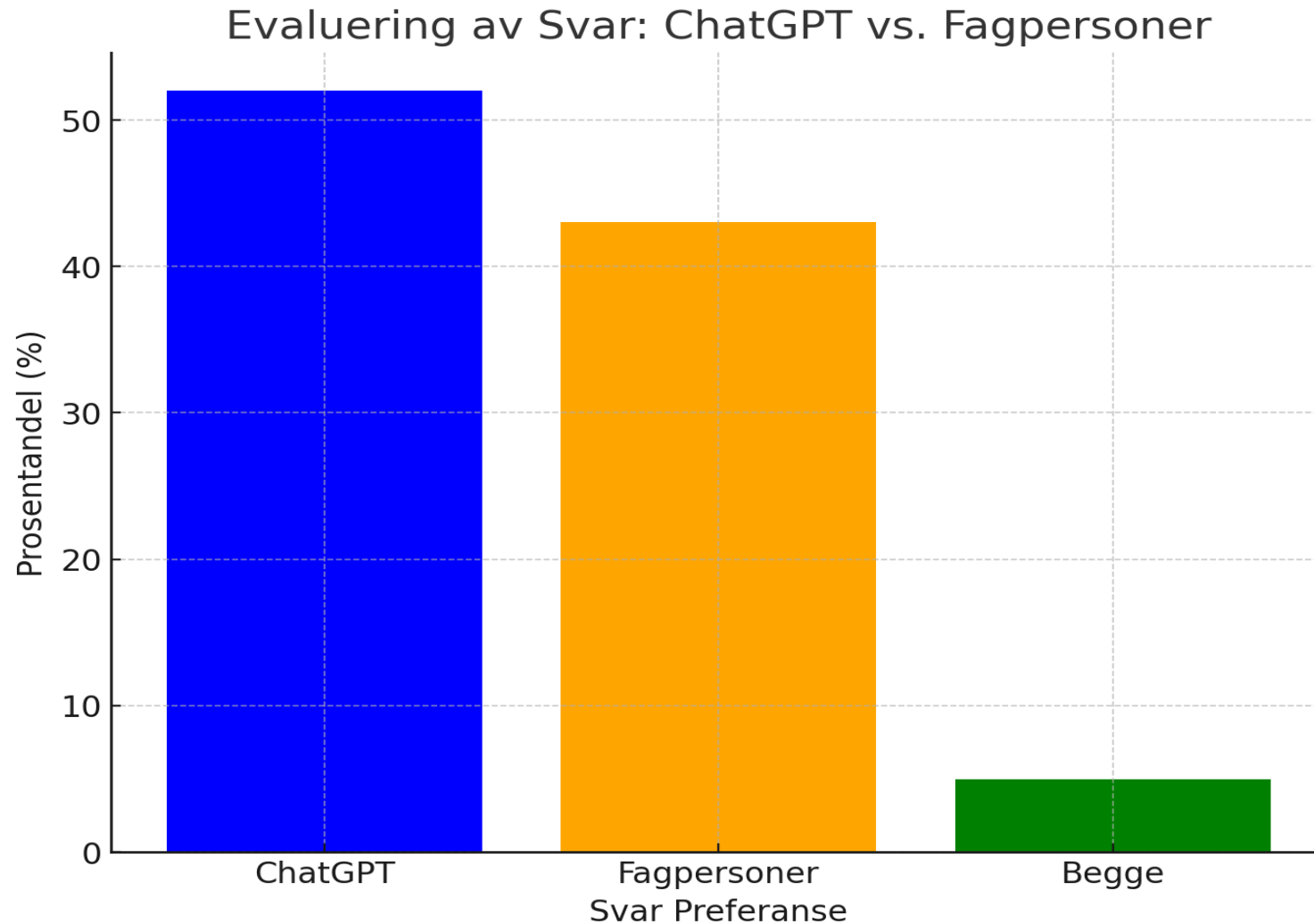
“Feeling of empathy, being seen and heard by the source”



(3) **Tekst-informasjonsstruktur – lett forståelig**

“Better overview of the content, shorter text and bullets points. Easier to read”

31 Fagpersoner: ChatGPT vs. Fagpersoner?



Hva om de vet at det er ChatGPT?

Vet ikke kilden



IPSOS: 224 som
IKKE vet
(ChatGPT vs
Fagpersoner)

Vet at det er ChatGPT og Fagpersoner



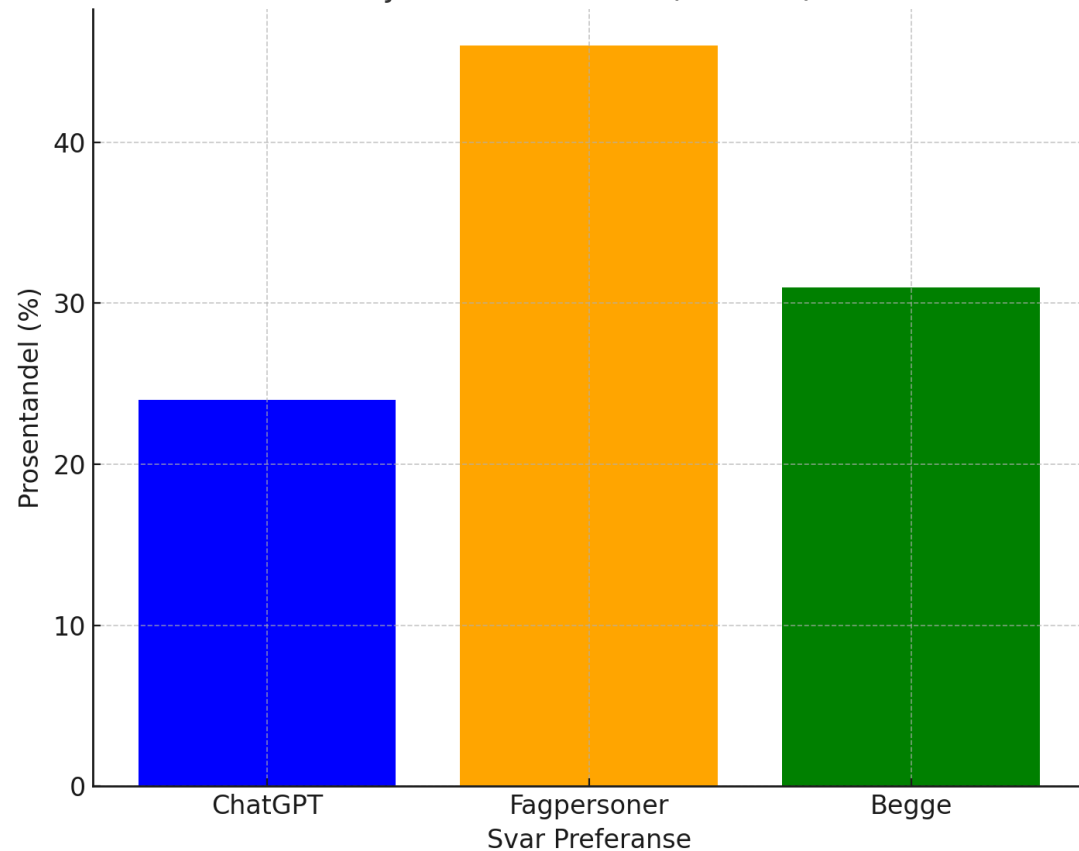
IPSOS: 216 som
VET (ChatGPT vs
Fagpersoner)

Unge i alderen 16-20 år

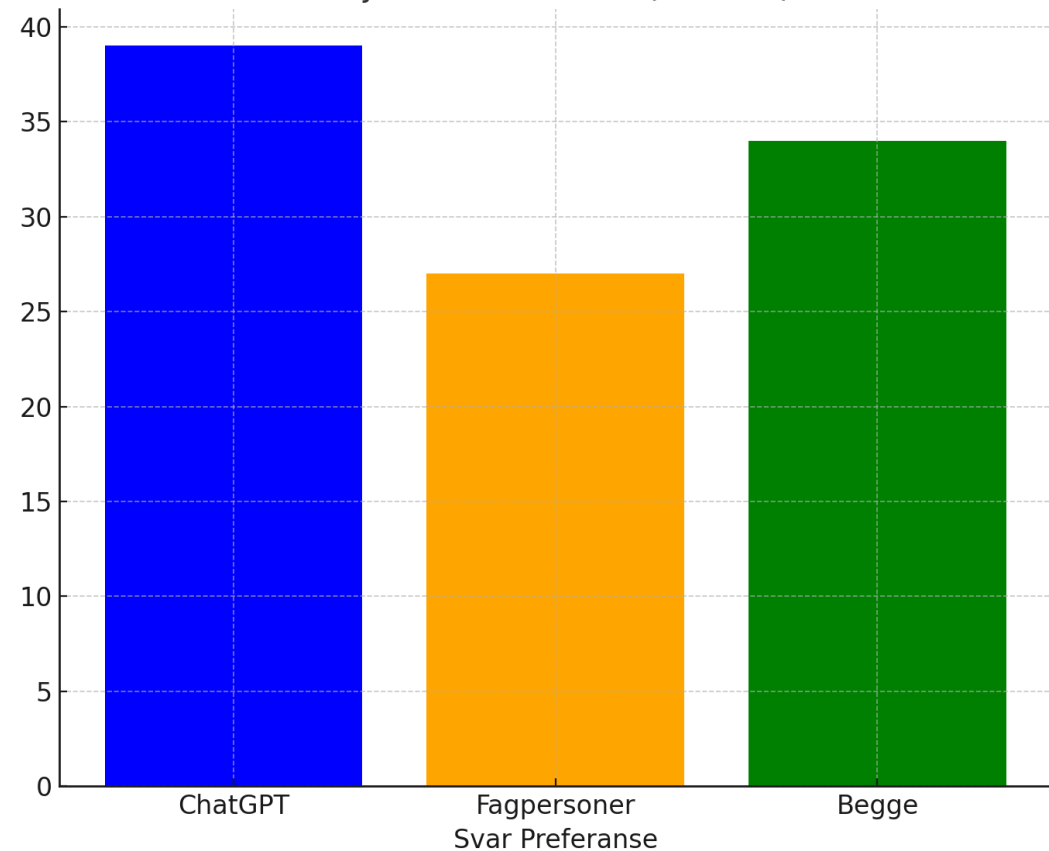
Hva om de vet at det er ChatGPT?



Kjent med Kilden (N=224)



Ukjent med Kilden (N=216)



Nye sosiale strukturer

Tradisjonelle sosiale strukturer – sterke/nære bånd



Netverksindividualisme – svake bånd



Sju av ti unge bruker kunstig intelligens i hverdagen, viser tall fra SSB

NRK1 Dagsrevyen 19:00 | 5 Dec 7:00 PM (6 Dec 3:32 AM) | 306 words



Nettverksindividualisme => KI-individualisme

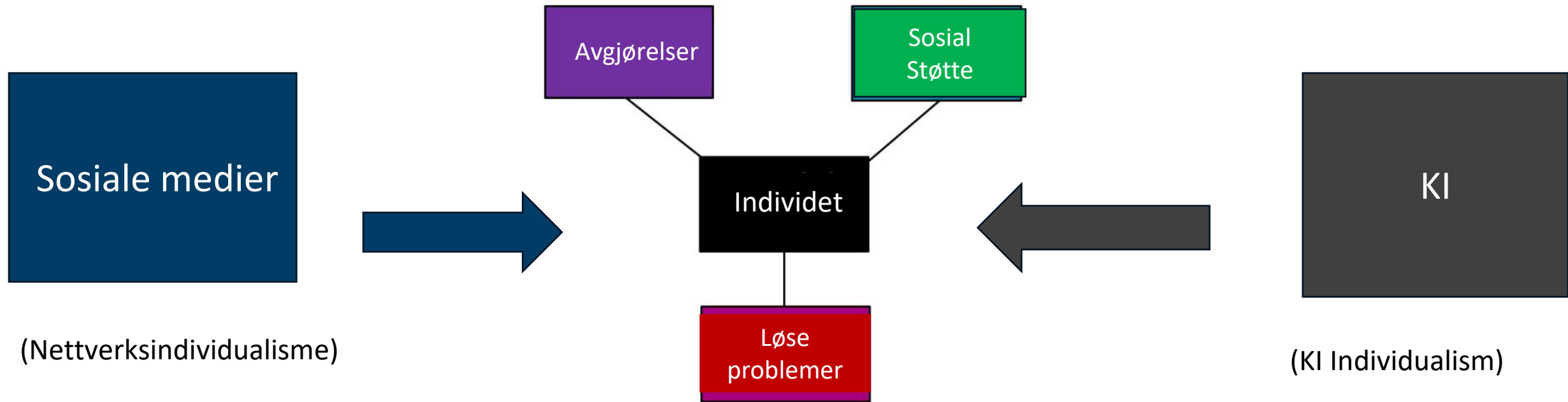
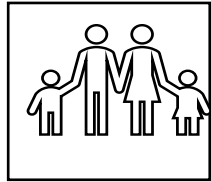


Figure: Networked individualism in practice (adapted from Wellman)

Wellman B, Haythornthwaite C. The Internet in Everyday Life. Oxford, UK: Oxford University Press; 2002

Nye sociale strukturer?



“Little boxes”
(close knit interaction)

Traditional social structures
(Strong ties, fewer choices)

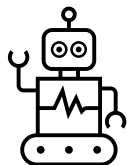


Online communication

Time
(less bound by)

Space
(less bound by)

Networked Individualism
(Weak ties, autonomy, more choices)

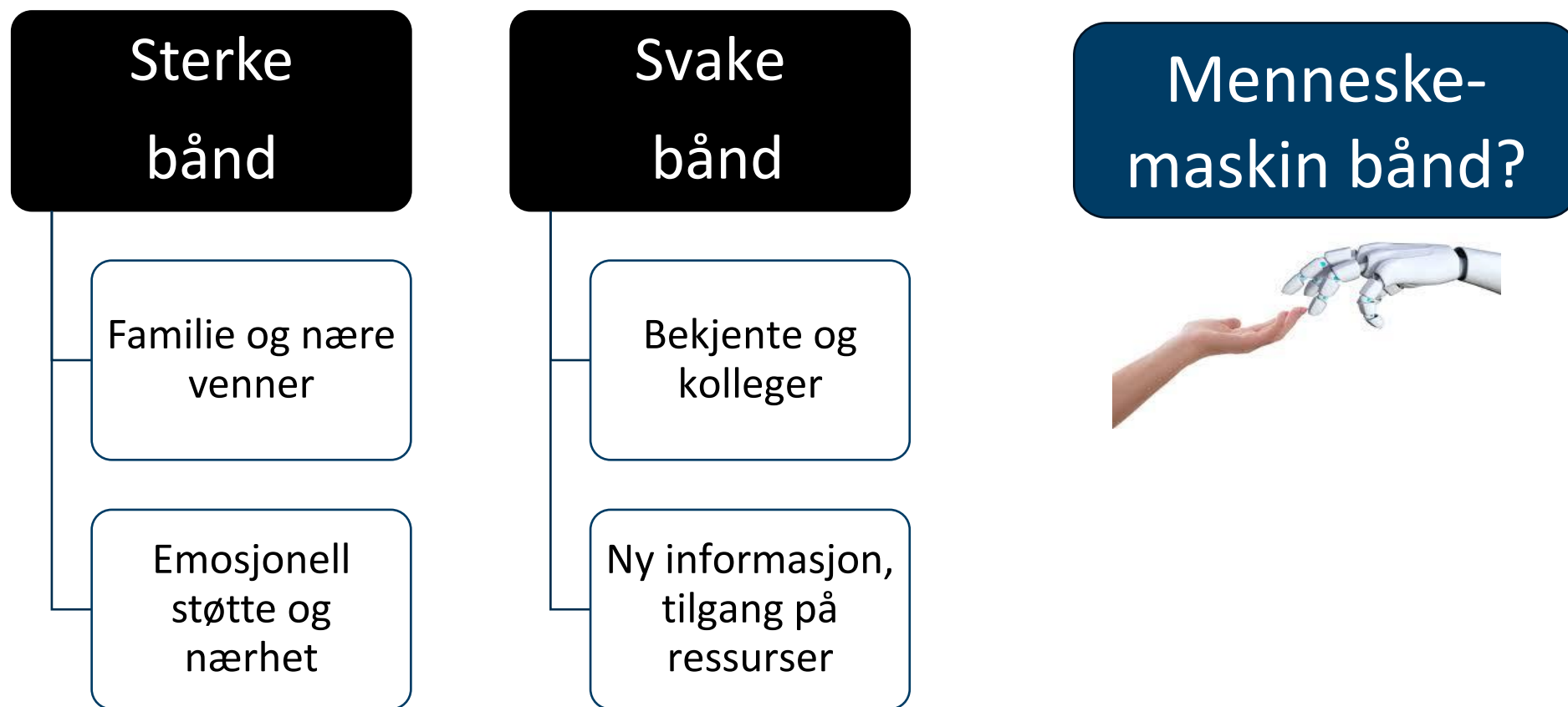


Human-AI interaction

Humans
(reduced importance)

AI Individualism
(human-AI ties, personalization, customization)

Vil sosial KI erstatte svake og sterke bånd?



Kilder Granovetter, M. S. (1973). The strength of weak ties. *American journal of sociology*, 78(6), 1360-1380.

Brandtzaeg, P. B., Følstad, A., & Skjuve, M. (forthcoming). AI individualism: Transforming social structures in the age of social artificial intelligence. In P. Hacker (Ed.), *Oxford intersections: AI in society*. Oxford University Press.

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New Study Says AI Is Making Us Stupid—But Does It Have To?

By [Lars Daniel](#), Contributor. Lars Daniel covers digital evidence and...

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Jan 19, 2025 at 11:08am EST

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New study says AI is making us dumber due to ... [\[+\]](#)

LARS DANIEL

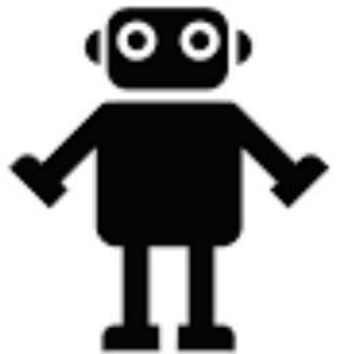
Verisure
Trådløs ringeklokke & smartlås [ÅBN >>](#)

Styrk egne ferdigheter

Høy tillit til KI → Mindre kritisk tenkning

Høy tillit til egne ferdigheter → Mer kritisk tenkning av KI-output.

Balansere maskin og menneske (Deskilling, upskilling)



Maskin-
kontroll

Menneske-
kontroll



Takk @petterbb