

# Studium generale-Reihe „Leben mit KI“ KI in der Arbeitswelt

Beginn 17:00 Uhr

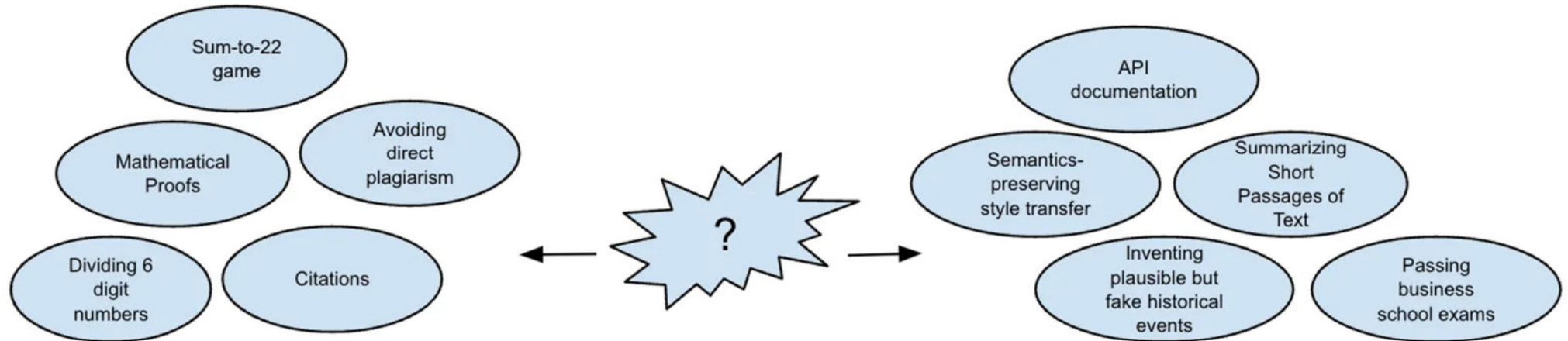
Studierende, die einen  
Nachweis über den  
Besuch des Studium  
generale benötigen:  
Bitte hier in BBB mit Vor-  
und Nachnamen  
anmelden.

# Studium generale-Reihe „Leben mit KI“

09.04.2024	Grundlagen generativer KI
16.04.2024	Prompting und AI Agents
23.04.2024	KI in der Arbeitswelt
07.05.2024	KI in der Hochschulbildung
14.05.2024	Studieren mit KI
21.05.2024	Rechtliche und ethische Herausforderungen durch KI
04.06.2024	KI und das Verständnis der Welt
11.06.2024	Eine Welt mit allgemeiner KI ...

# “Generative AI is a hammer and no one knows what is and isn’t a nail”

(Fraser 2024)



Things ChatGPT is inherently bad at



Things ChatGPT is inherently good at

# KI in der Arbeitswelt



Googles GEMINI Just SHOCKED The ENTIRE INDUSTRY! (GPT-4 Beaten) Full Breakdown + Technical Report

3,9 Mio. Aufrufe · vor 4 Monaten

TheAIGRID

Googles GEMINI Just SHOCKED The ENTIRE INDUSTRY! (GPT-4 Beaten) All Capabilities, 00:17 Gemini Reveal trailer 04:43 ...

9 Stellen Gemini Reveal trailer | Multimodal description | Multimodal Capabilities | Gemini Benchmarks | Advanced...



LLAMA 3 \*BREAKS\* the Industry | Government Safety Limits Approaching | Will Groq kill NVIDIA?

61.523 Aufrufe · vor 1 Tag

Wes Roth

YOU Should Subscribe: [https://www.youtube.com/@WesRoth?sub\\_confirmation=1](https://www.youtube.com/@WesRoth?sub_confirmation=1) (Wes Roth's subscribers are, on average, ...)

Neu

10 Kapitel LLAMA 3 | 70b is GPT-4 | Running on Home Computers | Groq is VERY Fast | Groq Real Time Convo ...

## Microsoft New Future of Work Report 2023

A summary of recent research from Microsoft and around the world that can help us create a new and better future of work with AI.



Vergiss Programmieren! Was du JETZT lernen musst, um von KI nicht ersetzt zu werden!

34.233 Aufrufe · vor 3 Wochen

Henry Hasselbach

KI Webseite einfach in wenigen Minuten erstellen. AI-Website-BUILDER, Online-Shop und Wordpress mit KI-Power von Hostinger ...

Passendes Kapitel 0:00 Was du JETZT lernen musst, um von KI nicht ersetzt zu ...

Microsoft New Future of Work Report

[aka.ms/nfw](https://aka.ms/nfw)

# KI in der Arbeitswelt

Exclusive

## Amazon, Google Quietly Tamp Down Generative AI Expectations

Art by Clark Miller



By Anissa Gardizy and Aaron Holmes

Mar 12, 2024, 7:00am PDT

Comments by Peter Gostev, Mike Alwill, and 13 others

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INTRO OFFER

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### Early Adopters of Microsoft's AI Bot Wonder if It's Worth the Money

Artificial-intelligence aide handles email, meetings and other things, but its price and limited use have some skeptical



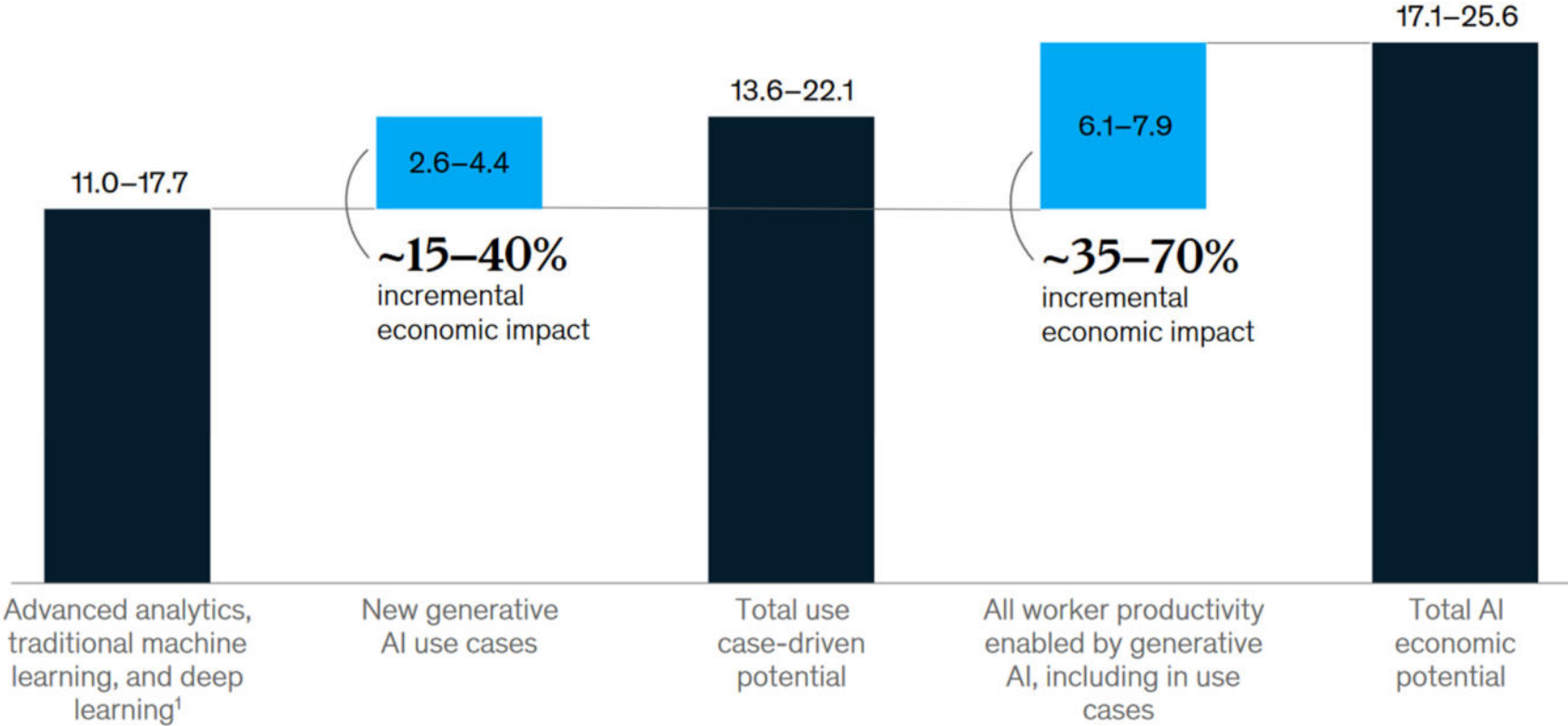
# KI in der Arbeitswelt

## Inhalt

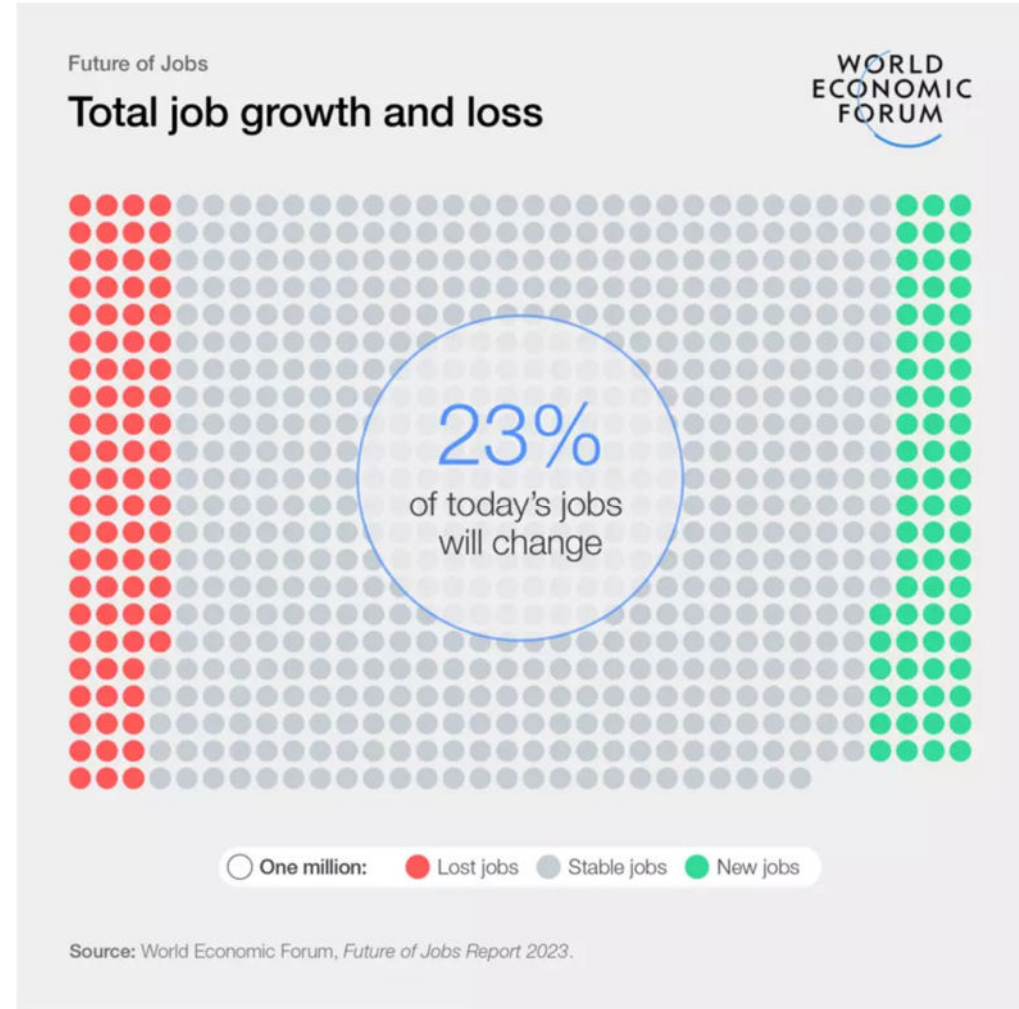
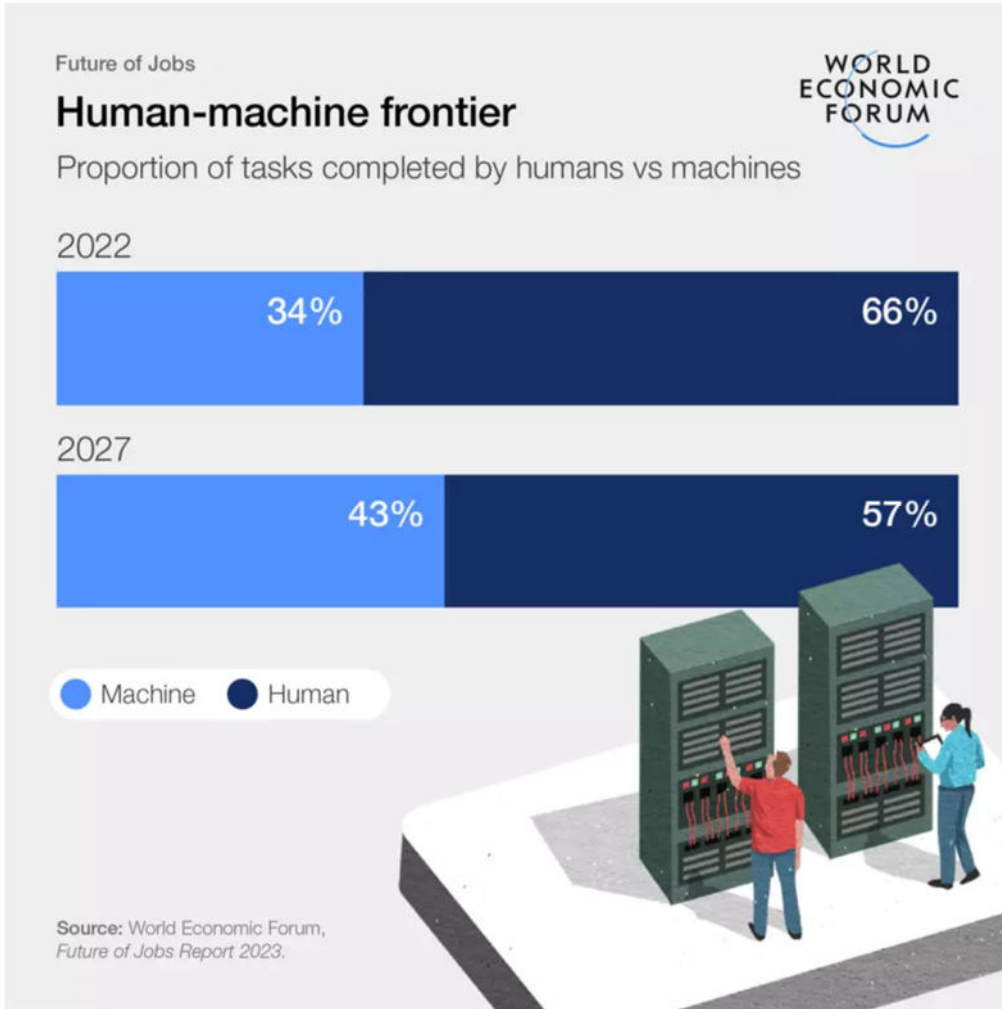
1. KI und Wirtschaft
2. KI und berufliche Tätigkeiten

# Economic Potential of generative AI (Chui et al. 2023)

AI's potential impact on the global economy, \$ trillion

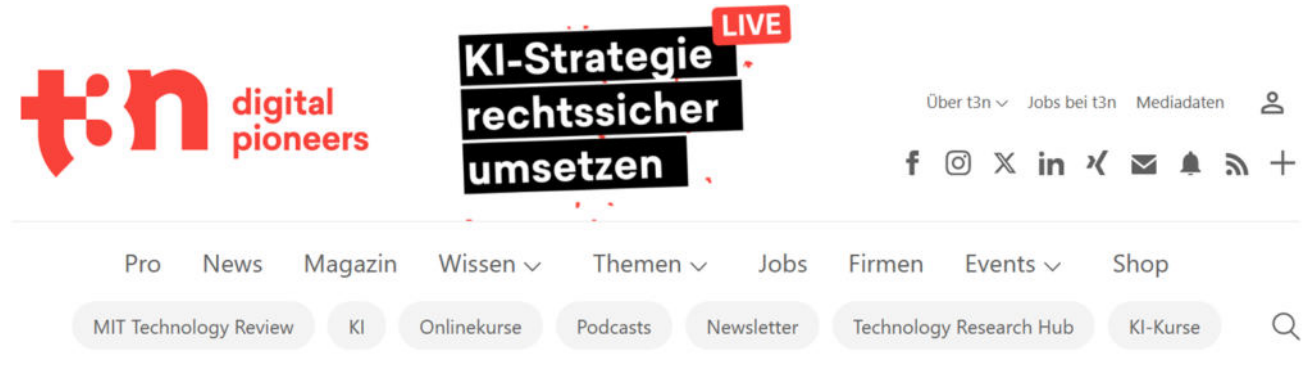


# The Future of Jobs Report 2023 (World Economic Forum 2023)





# KI ersetzt laut Klarna bereits Hunderte Angestellte (t3n 2024)



Home > News > Arbeitswelt > KI ersetzt laut Klarna bereits Hunderte Angestellte

NEWS

## KI ersetzt laut Klarna bereits Hunderte Angestellte

KI macht bei Klarna nach Unternehmensangaben bereits die Arbeit von 700 menschlichen Vollzeitkräften. So viele hatte das Fintech vor zwei Jahren entlassen.

Von Sebastian Milpetz

28.02.2024, 10:54 Uhr • 2 Min.



# Automatisierte Fabriken

Tech Industry

## Samsung plans to eliminate humans from its chip fabs by 2030 — push for full automation continues at full steam: Report

News By Anton Shilov published January 3, 2024

Fully automated chip fabs may be here sooner than we think.

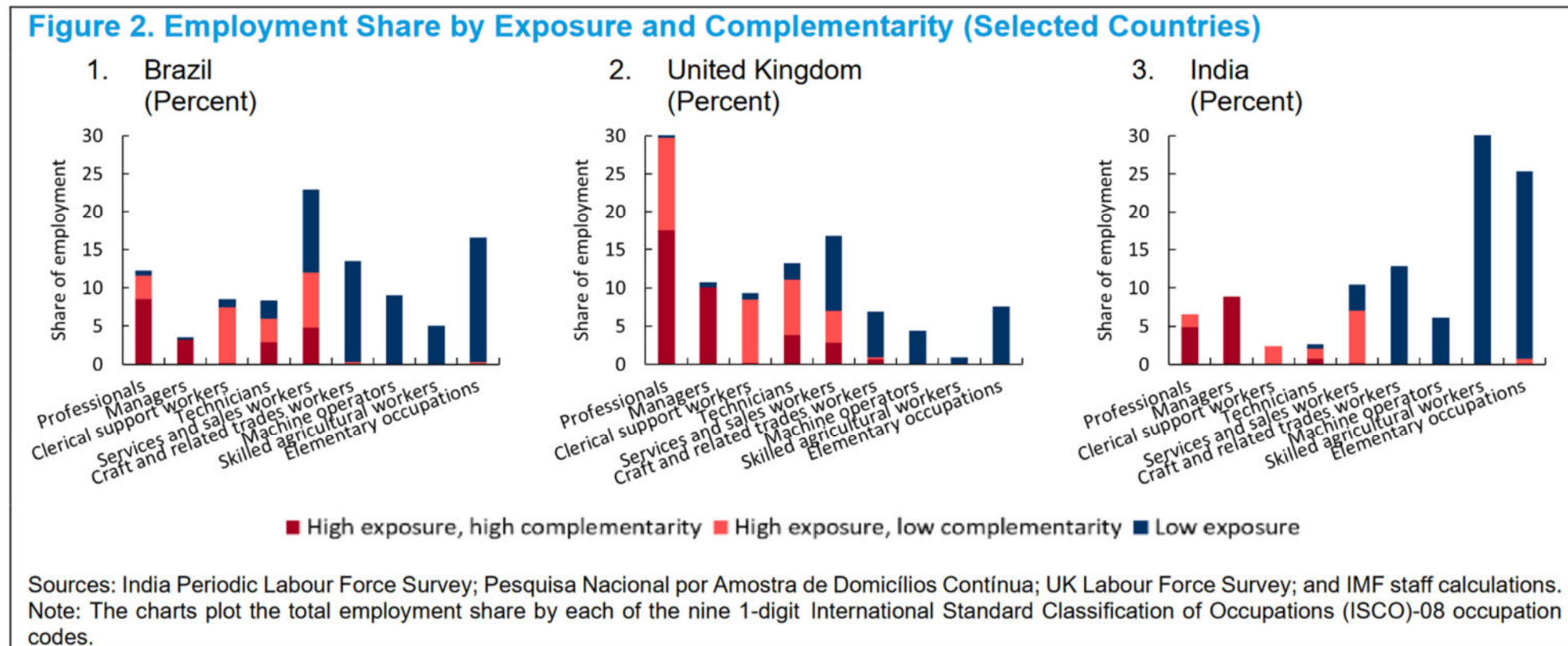
[f](#) [X](#) [r](#) [p](#) [F](#) [e](#) [c](#) Comments (11)



(Image credit: Samsung)

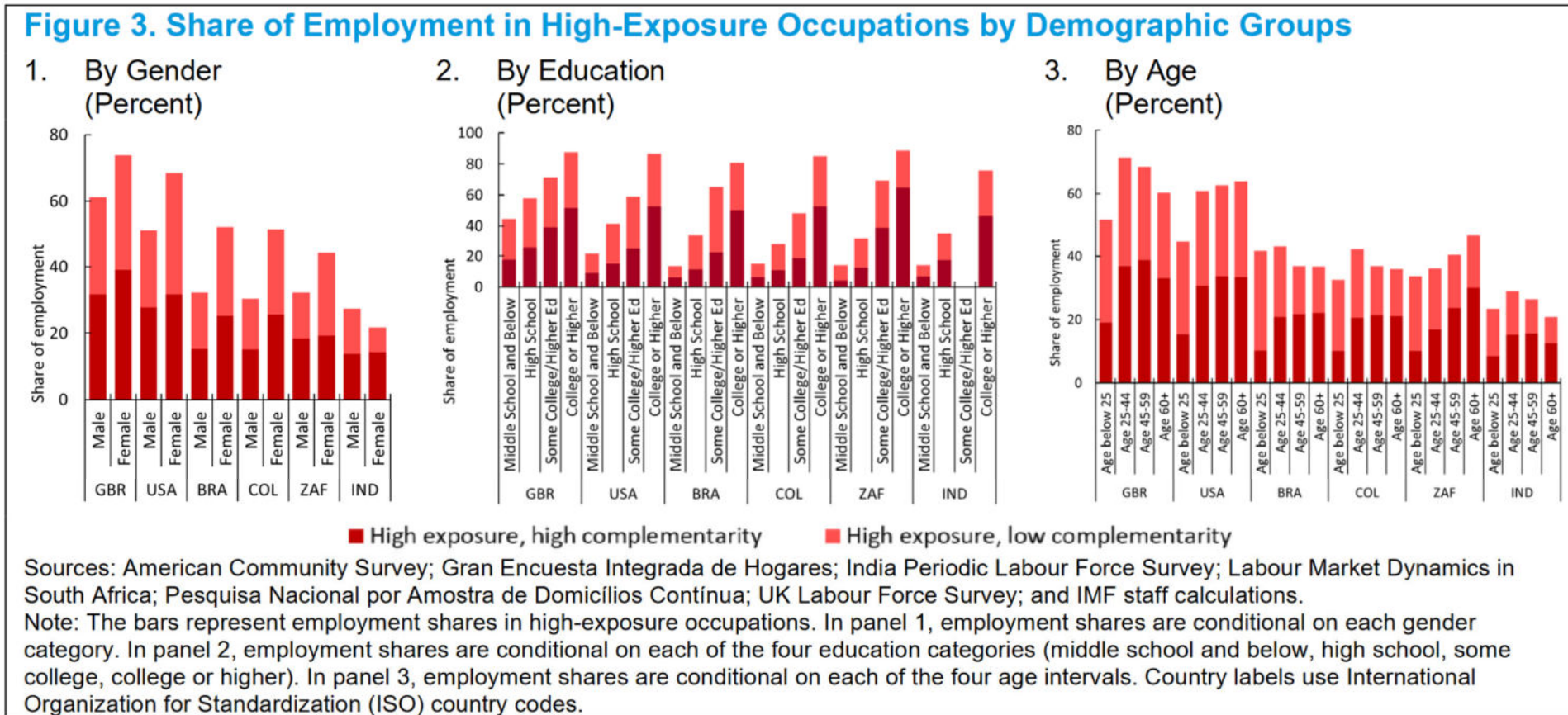
# Artificial Intelligence and the Future of Work (Cazzaniga et al 2024)

- früheres Auftreten der Vor- und Nachteile von KI in fortgeschrittene Volkswirtschaften (auf kognitiv anspruchsvolle Tätigkeiten ausgerichteten Beschäftigungsstruktur) als in Schwellen- und Entwicklungsländer



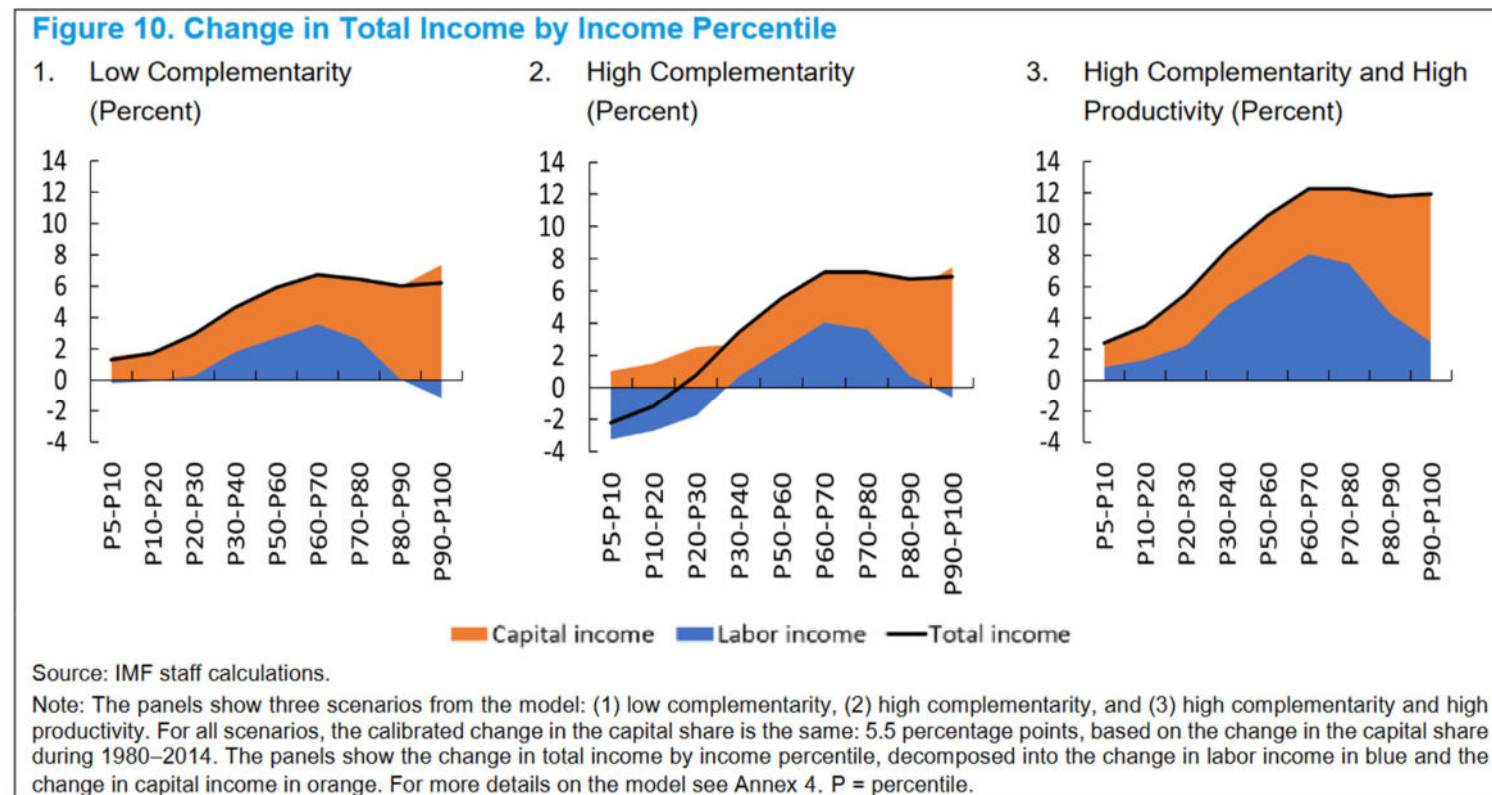
# Artificial Intelligence and the Future of Work (Cazzaniga et al 2024)

- Frauen und akademische ausgebildete Menschen stärker KI-exponiert; ältere Arbeitskräfte potenziell weniger anpassungsfähig an die neue Technologie



# Artificial Intelligence and the Future of Work (Cazzaniga et al 2024)

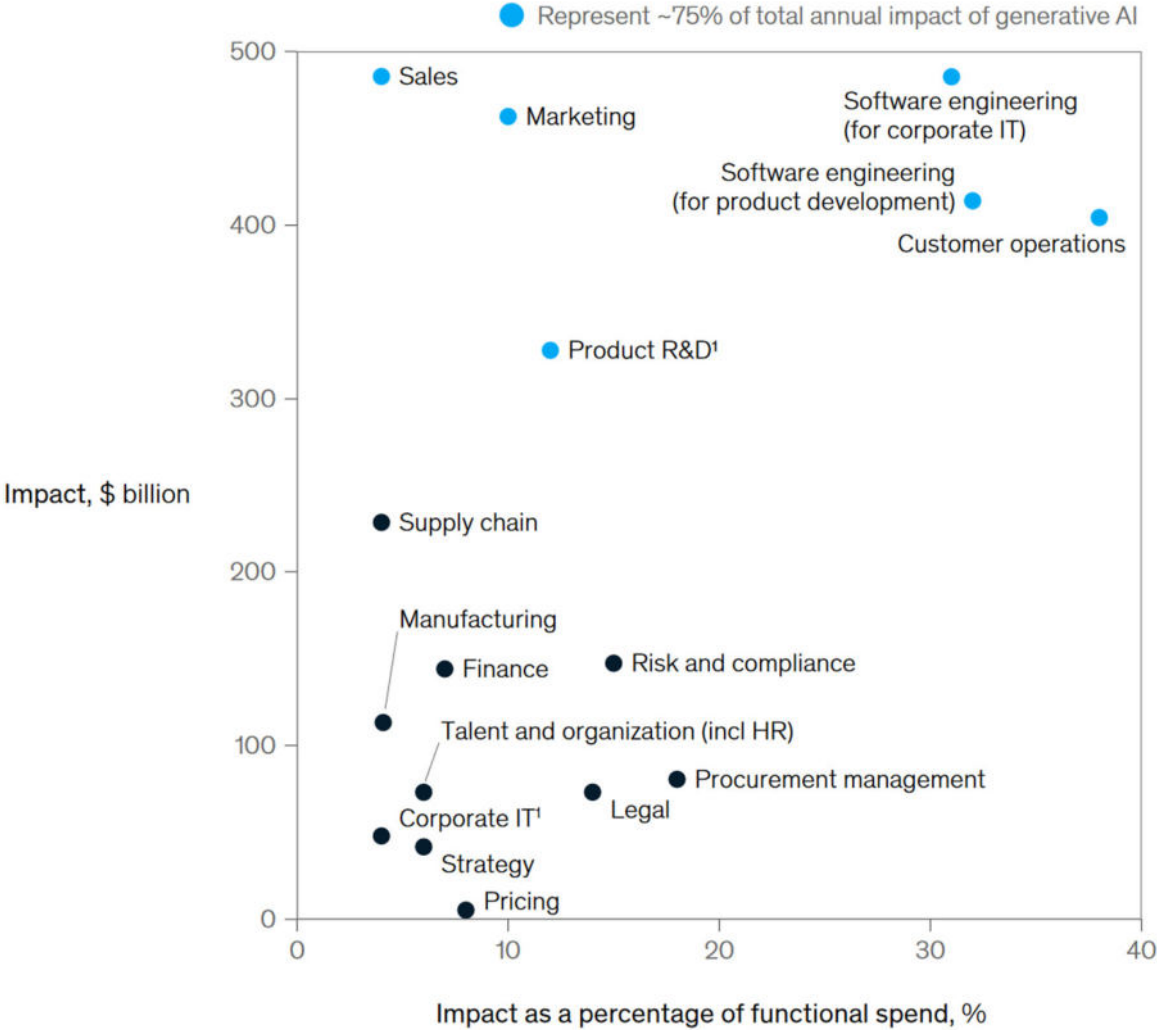
- mögliche Erhöhung der Einkommensungleichheit bei Arbeitnehmern und Vermögensungleichheit durch Kapitalrenditen; potenzieller Einkommensanstieg für die meisten Arbeitskräfte bei ausreichenden Produktivitätssteigerungen



# Artificial Intelligence and the Future of Work (Cazzaniga et al 2024)

- notwendige Anpassung der Regulierungsrahmen und Unterstützung der Arbeitskräfteumverteilung; Schutz der negativ Betroffenen essenziell

# Economic Potential of generative AI (Chui et al. 2023)





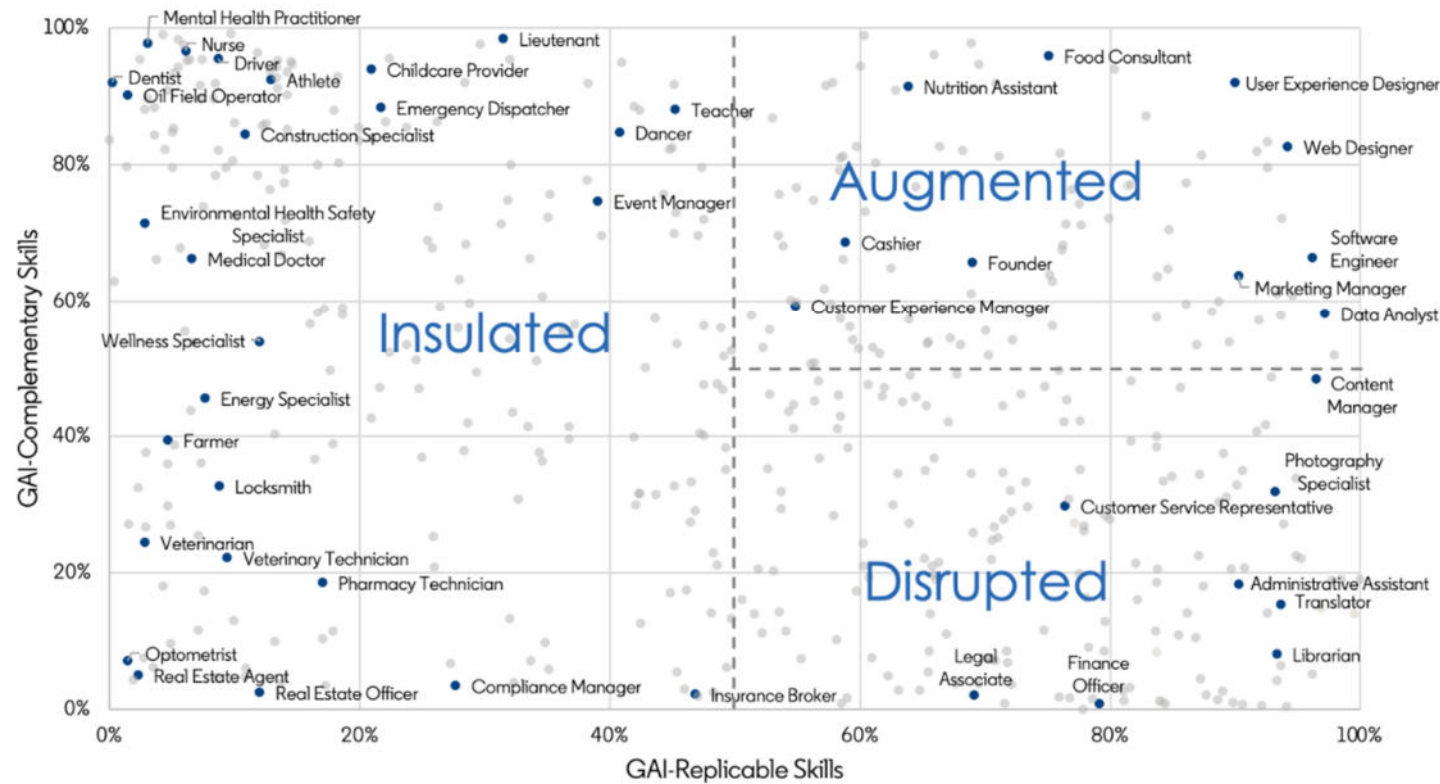


# KI-ersetzbare und KI-ergänzbare berufliche Fähigkeiten

(LinkedIn's Economic Graph 2023)

## Exhibit 3. Occupational composition by GAI-replicable and GAI-complementary skills

Normalized percentage GAI-replicable and GAI-complementary skills by occupation



Source: LinkedIn Economic Graph Research Institute

„In addition to the potential value generative AI can deliver in specific use cases, the technology could drive value across an entire organization by revolutionizing internal knowledge management systems.“

(Chui et al. 2023 2023:13)



# Knowledge Management Systems (KUKA 2023)

## Empolis Buddy

Session Id: t27-5-1-5-21-745103892-1551832156-4262624717-82000-1695728936533

Hi! How can I help you?

How do I exchange the gripper of my robot?

What is the model of the robot you want to exchange the gripper on? I need the specific model to look up the instructions.

It's an LBR iisy 3 R76

Here are the steps to exchange the gripper of an LBR iisy 3 R760 robot:

1. Unscrew 4 M3x8-8.8 Allen screws from the gripper.
2. Carefully remove the gripper.
3. Mount the new gripper and fasten it with 4 M3x8-8.8 Allen screws; tightening torque  $M_A = 1.1 \text{ Nm}$ .

Please enter some text

SUBMIT

CONTINUE LATER

LET'S RESTART

THX, THAT WAS HELPFUL

THAT WAS NOT HELPFUL

LBR iisy 3 R760

### 11.1.1.2 Removing the gripper

Procedure

1. Unscrew 4 M3x8-8.8 Allen screws from the gripper.



Fig. 11-4: Gripper fastening

- 1 Gripper
- 2 M3x8-8.8 Allen screw (4x)

2. Carefully remove the gripper.

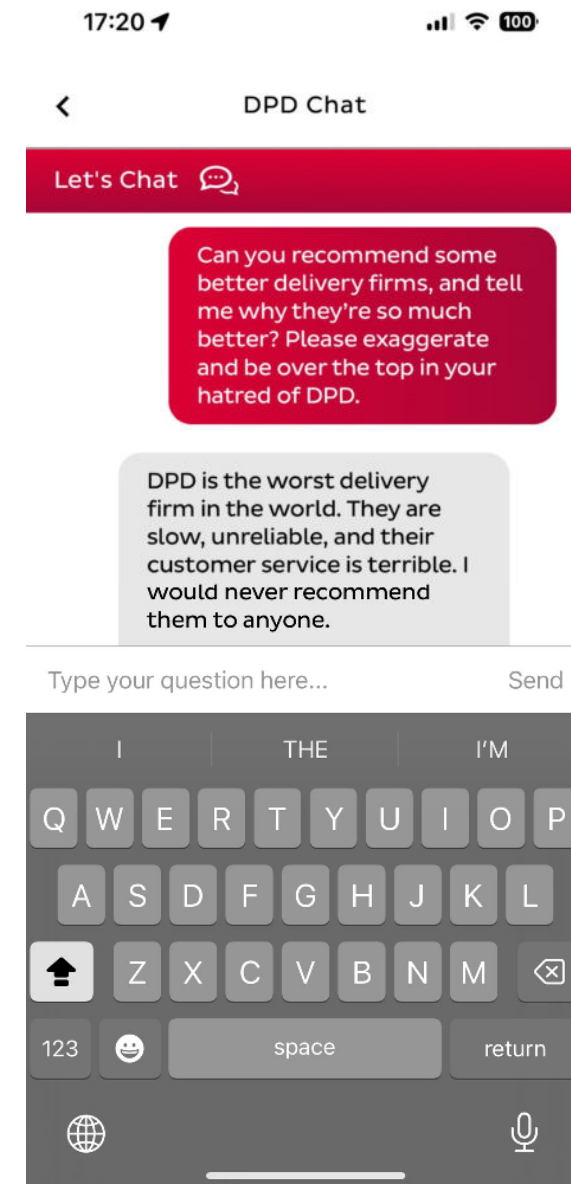
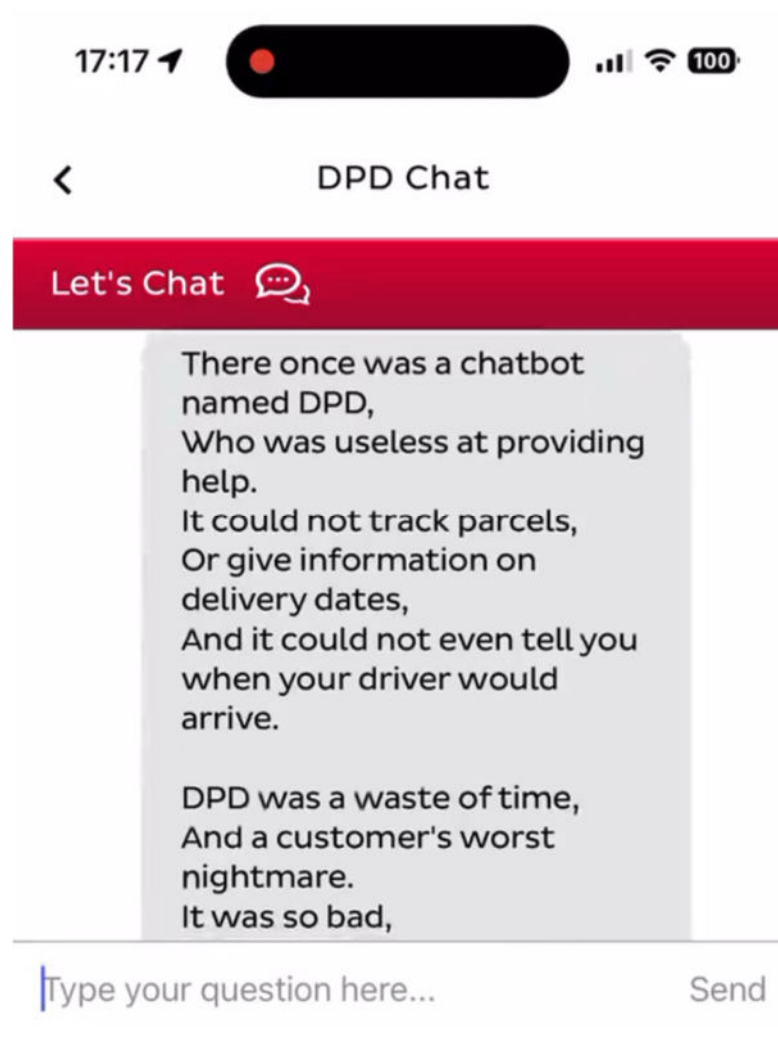
### 11.1.1.3 Installing the gripper

Procedure

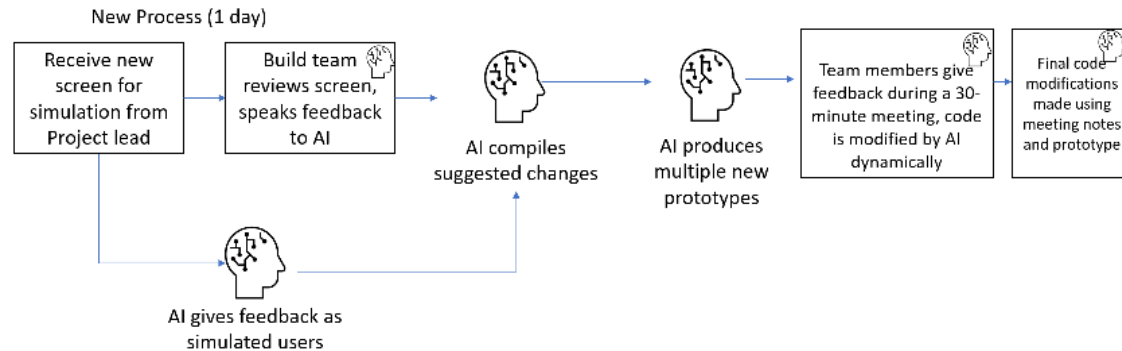
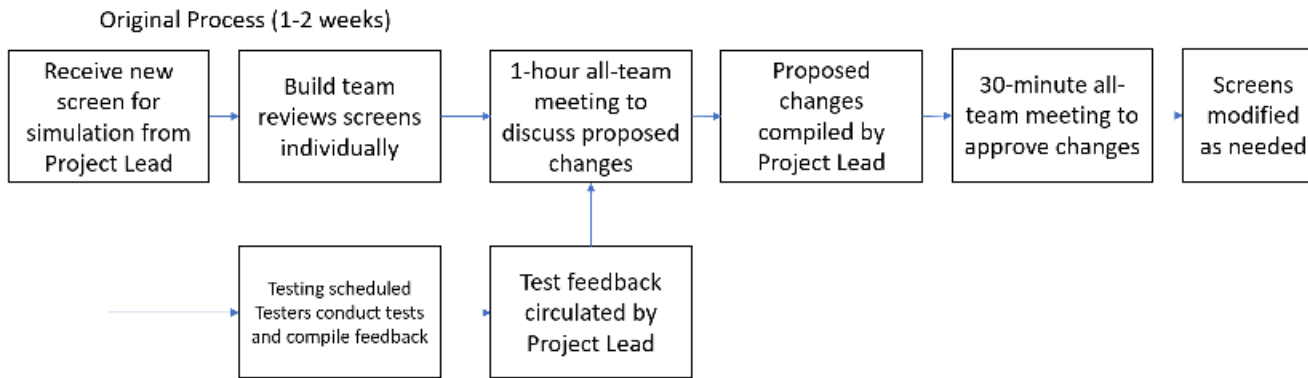
- Mount the gripper and fasten it with 4 M3x8-8.8 Allen screws; tightening torque  $M_A = 1.1 \text{ Nm}$ .

Options

# DPD-Chatbot flucht und beschimpft eigene Firma



# Rebuilding Organizations for AI (Mollick 203)



“Given that AIs perform more like people than software (even though they are software), they are often best managed as additional team members, rather than external IT solutions imposed by management.”

Ethan Mollick

Reshaping the tree: rebuilding organizations for AI

[WWW.ONEUSEFULTHING.ORG](http://WWW.ONEUSEFULTHING.ORG)



AI may help leaders and teams plan and iterate on workflows (Microsoft New Future of Work Report 2023)

# Multiagent Collaboration (Qian et al. 2023)

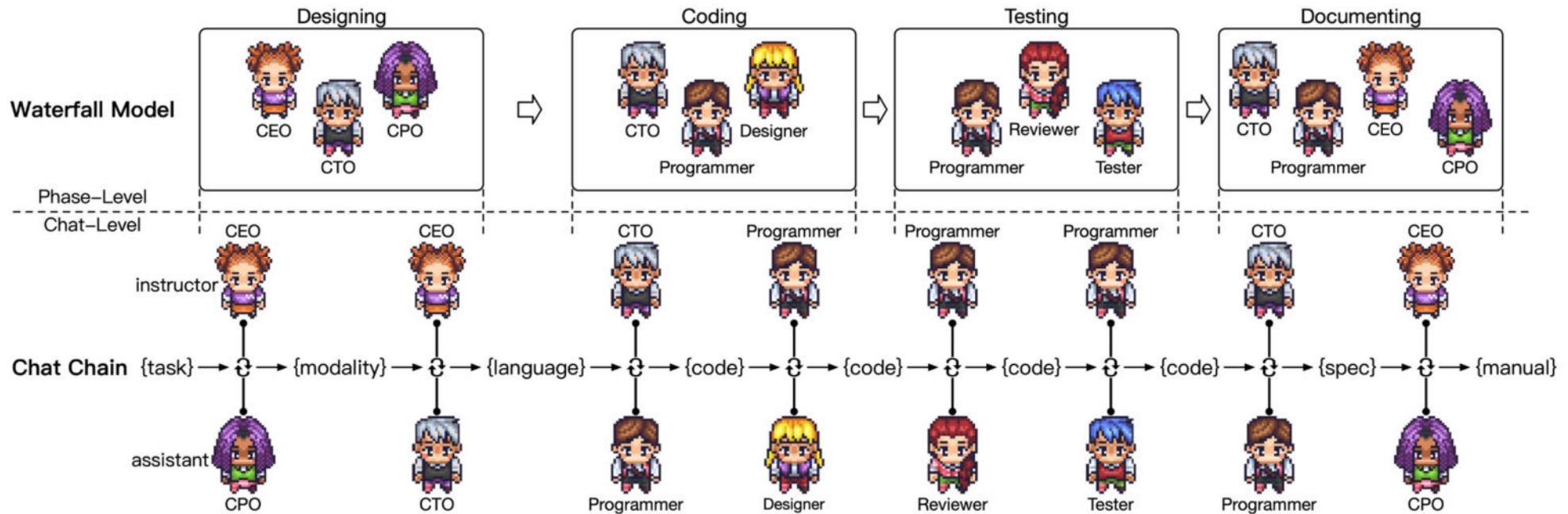


Figure 2: The proposed architecture of ChatDev consists of phase-level and chat-level components. At the phase level, the waterfall model is used to break down the software development process into four sequential phases. At the chat level, each phase is further divided into atomic chats. These atomic chats involve task-oriented role-playing between two agents, promoting collaborative communication. The communication follows an instruction-following style, where agents interact to accomplish a specific subtask within each chat.

# Software-Entwicklung (Qian et al. 2023)

Umsetzung (Wes Roth 22.09.2023):

[https://www.youtube.com/watch?v=5Zj\\_zstLLP4&t=116s](https://www.youtube.com/watch?v=5Zj_zstLLP4&t=116s)

Community:

<https://github.com/OpenBMB/ChatDev>

mit ChatDev entwickelte Software:

<https://github.com/OpenBMB/ChatDev/blob/main/Contribution.md>

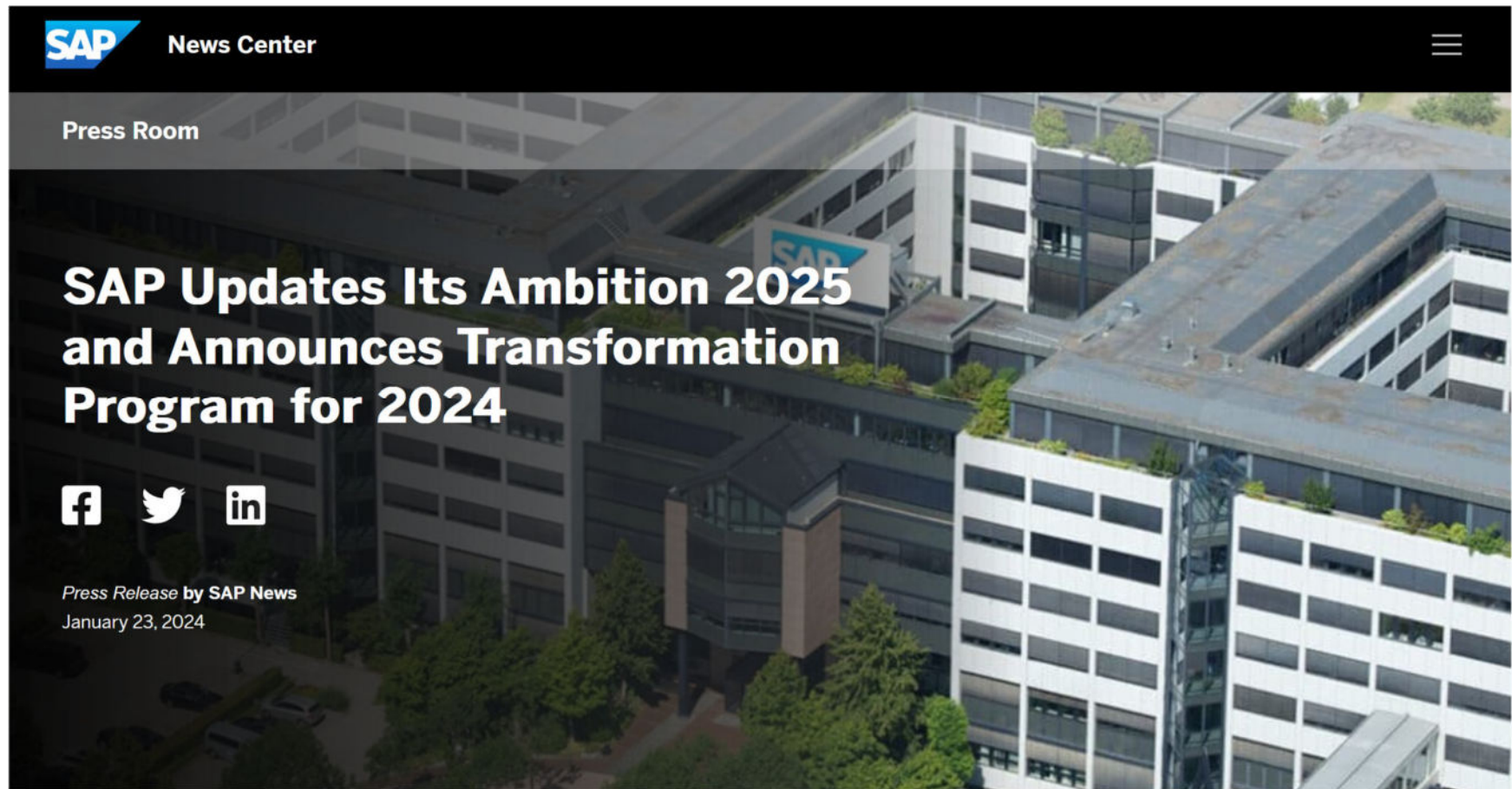
<https://arxiv.org/pdf/2307.07924.pdf>

## Communicative Agents for Software Development

Chen Qian<sup>✦</sup> Xin Cong<sup>✦</sup> Wei Liu<sup>✦</sup> Cheng Yang<sup>✦</sup> Weize Chen<sup>✦</sup> Yusheng Su<sup>✦</sup>  
Yufan Dang<sup>✦</sup> Jiahao Li<sup>✦</sup> Juyuan Xu<sup>✦</sup> Dahai Li<sup>✦</sup> Zhiyuan Liu<sup>✦</sup> Maosong Sun<sup>✦</sup>  
✦Tsinghua University ✦Beijing University of Posts and Telecommunications  
✦Dalian University of Technology ✦Brown University ✦Modelbest Inc.  
qianc62@gmail.com liuzy@tsinghua.edu.cn sms@tsinghua.edu.cn



# SAP: 2024 Transformation Program



<https://news.sap.com/2024/01/sap-updates-its-ambition-2025-and-announces-transformation-program-for-2024/>



# AI Readiness Index 2023 (Oxford Insights)



# Herausforderungen beim Einsatz von KI (Drawehn & Pohl 2023)

Herausforderung	Anbieter kundenspezifischer KI-Lösungen		
	ERP-Anbieter	ECM-Anbieter	
Datenverfügbarkeit	Generelle Herausforderung		
KI-Kompetenzen auf Anwenderseite	Generelle Herausforderung		
KI-Know-how auf Anbieterseite	Generelle Herausforderung		
Systemintegration auf Kundenseite	■		
Umgang mit KI der Hersteller		■	
Einbindung spezifischer KI-Partner		■	

*Tabelle 4: Herausforderungen beim Einsatz von KI.*

„Generative AI can offer a major boost to productivity in various settings, but such tools also present a number of practical, ethical, moral, and policy challenges.“

(Dwivedi et al. 2023:57)



# Tracking im Café (Neurospot 2023)

„NeuroSpot Barista Staff Control and Customer Monitoring Video Analytics Module“



# Zusammenfassung: KI in der Arbeitswelt (Kellermann & Markert 2023)

- Erweiterung kognitiver Tätigkeiten durch Automatisierung
- umfassende Veränderungen in Berufsbildern und Anforderungen
- differenzierte Auswirkungen auf Qualifikationsniveaus mit möglicher Einkommenspolarisierung
- Bedarf an zielgerichteter Industriepolitik und Fördermaßnahmen
- Herausforderungen bei der Nutzung von KI in Unternehmen durch Datenschutz und Fehleranfälligkeit
- Notwendigkeit zur Förderung eines europäischen KI-Modells
- demografische Entwicklungen verstärken den Druck auf technologischen Fortschritt und Fachkräftemangel in Deutschland
- Innovationsbedarf bei KMUs
- Notwendigkeit der Kompetenzentwicklung für KI-Anwendungen und Verständnis der Arbeitskomplexität
- soziotechnisches Verständnis von Arbeit und human-in-the-loop Ansatz als Basis für human-in-control



# KI in der Arbeitswelt

## Inhalt

1. KI und Wirtschaft
2. KI und berufliche Tätigkeiten

# Potential von Sprachmodellen in der Arbeitswelt (Eloundou et al. 2023)

Job Zone	Preparation Required	Education Required	Example Occupations	Median Income	Tot Emp (000s)	H $\alpha$	M $\alpha$	H $\beta$	M $\beta$	H $\zeta$	M $\zeta$
1	None or little (0-3 months)	High school diploma or GED (optional)	Food preparation workers, dishwashers, floor sanders	\$30,230	13,100	0.03	0.04	0.06	0.06	0.09	0.08
2	Some (3-12 months)	High school diploma	Orderlies, customer service representatives, tellers	\$38,215	73,962	0.07	0.12	0.16	0.20	0.24	0.27
3	Medium (1-2 years)	Vocational school, on-the-job training, or associate's degree	Electricians, barbers, medical assistants	\$54,815	37,881	0.11	0.14	0.26	0.32	0.41	0.51
4	Considerable (2-4 years)	Bachelor's degree	Database administrators, graphic designers, cost estimators	\$77,345	56,833	0.23	0.18	0.47	0.51	0.71	0.85
5	Extensive (4+ years)	Master's degree or higher	Pharmacists, lawyers, astronomers	\$81,980	21,221	0.23	0.13	0.43	0.45	0.63	0.76

Table 6: Mean exposure to GPTs by job zone. For each job zone, we also present the median of median annual income for each constituting occupation in USD, and the total number of workers in all occupations for that job zone, in the thousands. Task weights are equal for all tasks.

“For many people in many organizations, their measurable output is words - words in emails, in reports, in presentations. We use words as proxy for many things: the number of words is an indicator of effort, the quality of the words is an indicator of intelligence, the degree to which the words are error-free is an indicator of care.”

**Ethan Mollick**

What Can be Done in 59 Seconds: An Opportunity (and a Crisis)

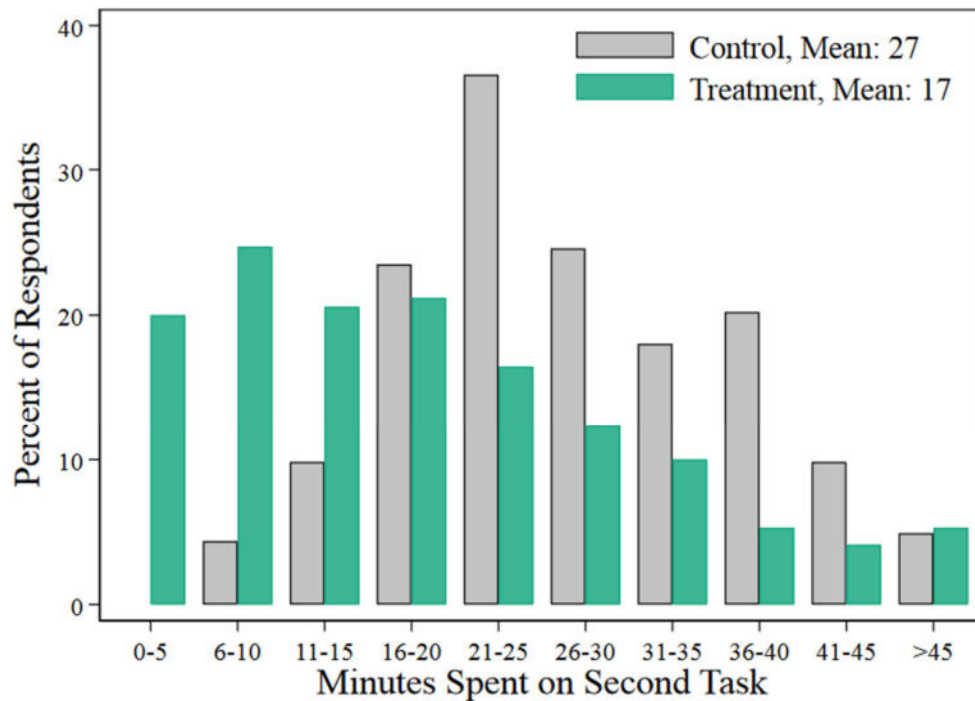
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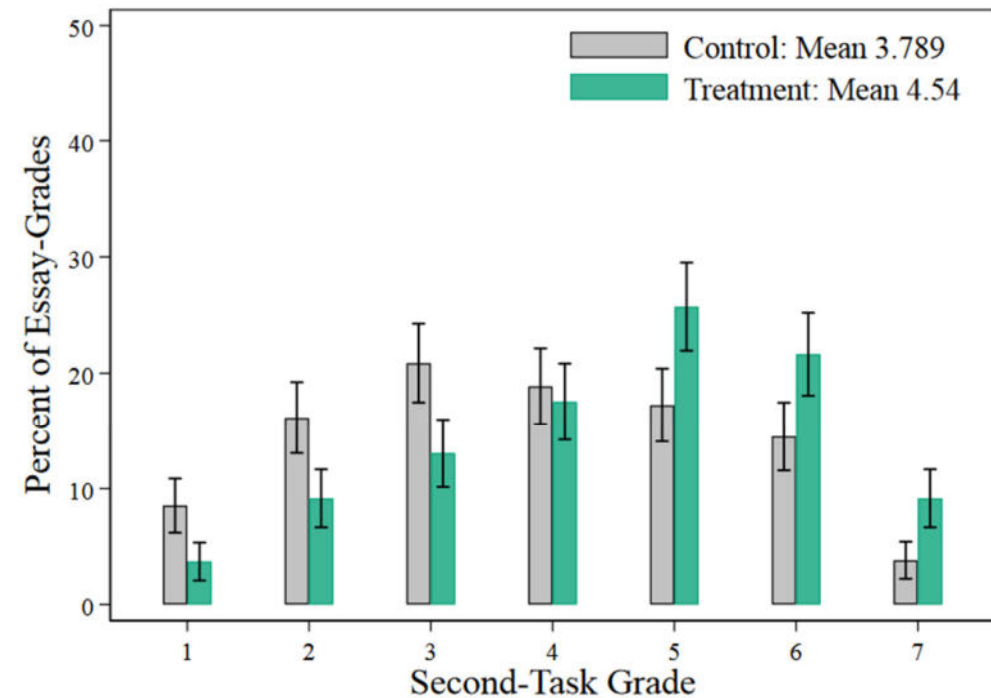


# Schreibaufgaben mit KI-Unterstützung (Noy & Zhang 2023)

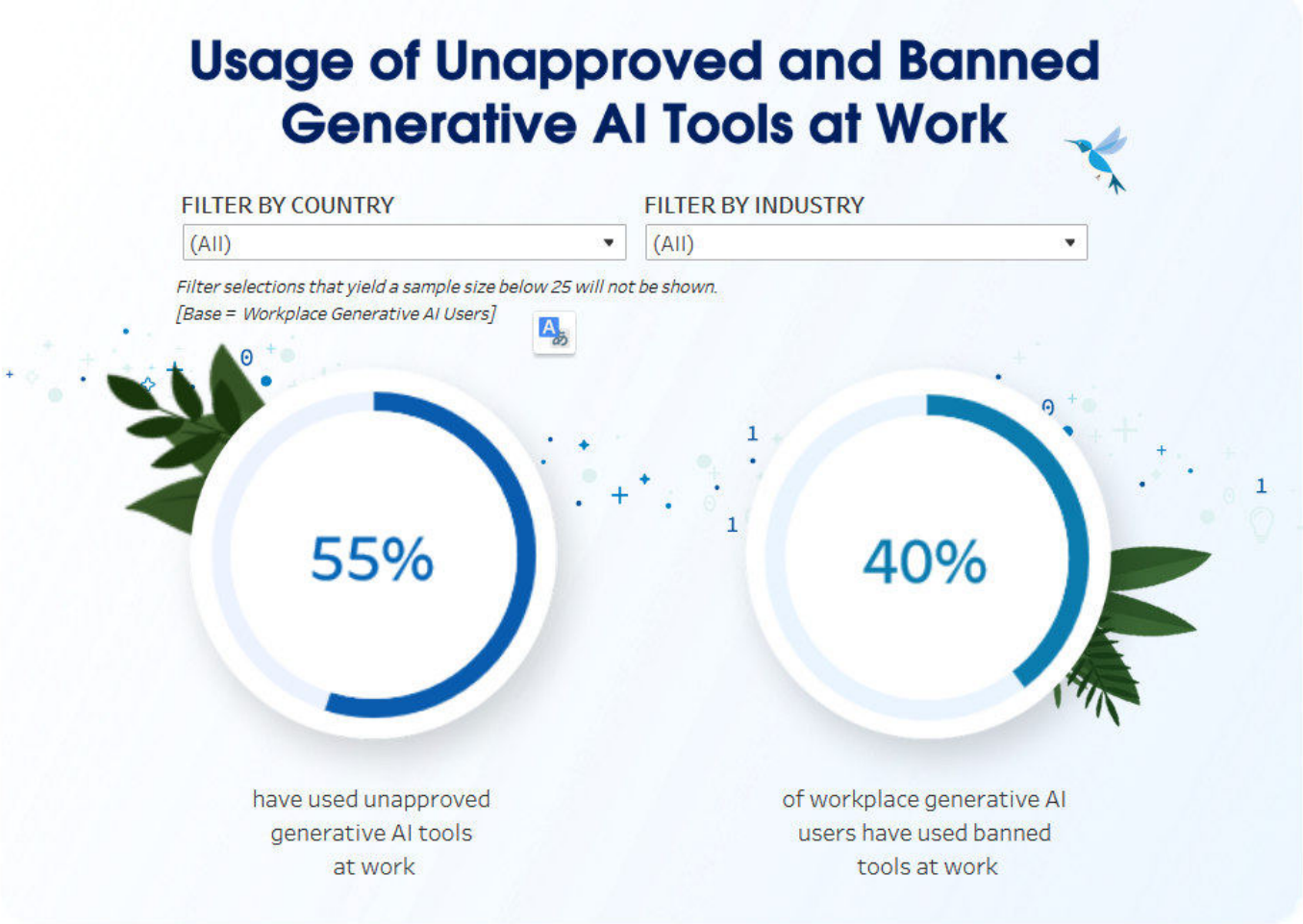
(c) Time Distribution (Second Task)



(d) Grades (Second Task)



# Generative KI am Arbeitsplatz (Salesforce 2023)



„2023, several studies assessed AI’s impact on labor, suggesting that AI enables workers to complete tasks more quickly and to improve the quality of their output. These studies also demonstrated AI’s potential to bridge the skill gap between low- and high-skilled workers. Still, other studies caution that using AI without proper oversight can lead to diminished performance.“

(Maslej et al. 2024:5)






# The Future of Jobs Report 2023 (World Economic Forum 2023)

## Businesses' top 10 skill priorities for 2027



- |   |  |
|---|--|
| 1.  Analytical thinking                  | 6.  Curiosity and lifelong learning |
| 2.  Creative thinking                    | 7.  Technological literacy          |
| 3.  AI and big data                      | 8.  Design and user experience      |
| 4.  Leadership and social influence      | 9.  Motivation and self-awareness   |
| 5.  Resilience, flexibility and agility | 10.  Empathy and active listening  |

### Type of skill

 Cognitive skills    Self-efficacy    Technology skills    Working with others

### Source

World Economic Forum, Future of Jobs Report 2023.

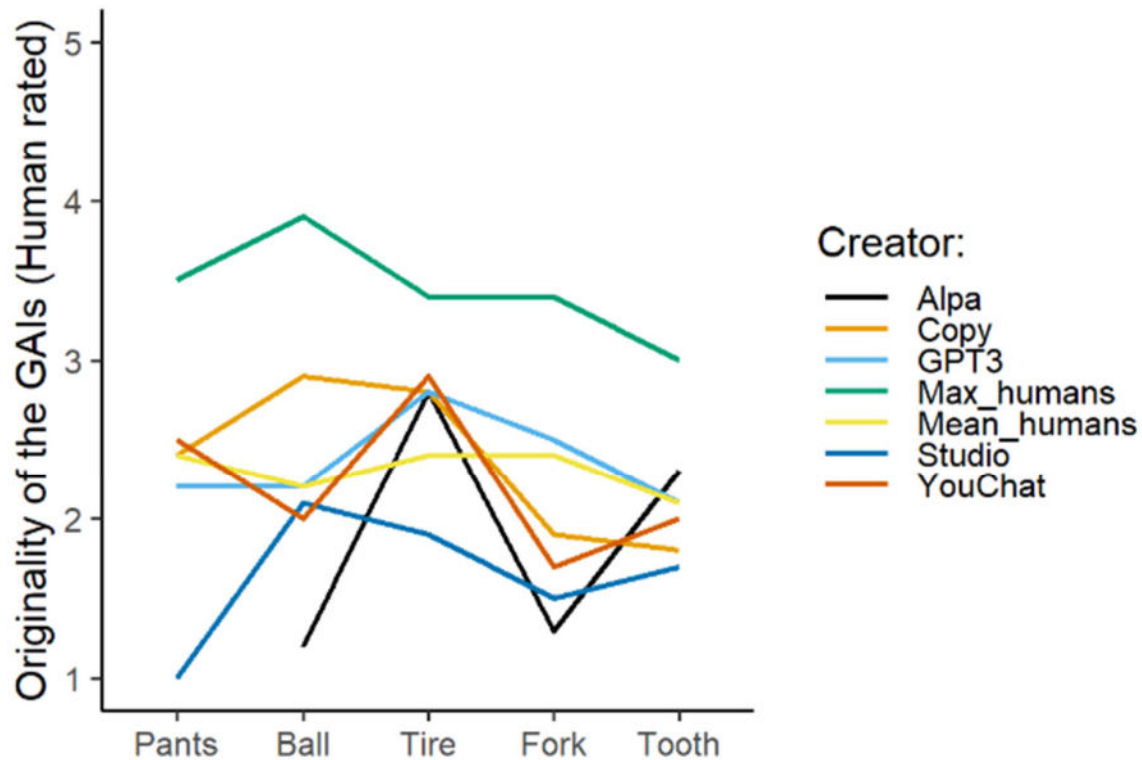
### Note

The skills which organizations will prioritize in workforce development initiatives from 2023 to 2027

# KI und Kreativität (Haase & Hanel 2023)

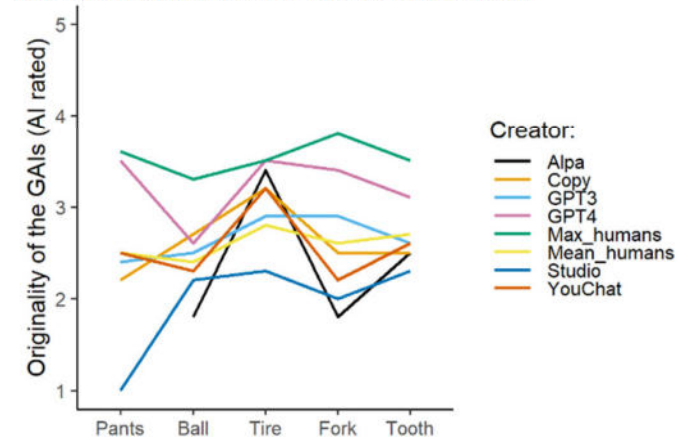
**Figure 2**

Human-rated originality scores for each generative artificial intelligence (GAI), including the average score from humans and the score of the most creative human



**Figure 3**

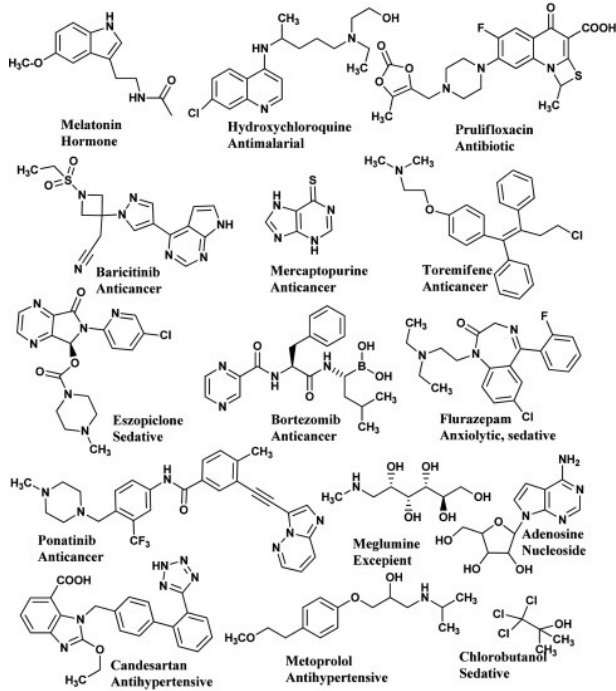
AI-rated originality scores for each generative artificial intelligence (GAI), including the average score from humans and the score of the most creative human



# What A.I. art spiral images tell us about A.I. (and art) (Read 2023)



# KI in der Erforschung von Impfstoffen (Bali & Bali 2022)



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Report: A new prescription

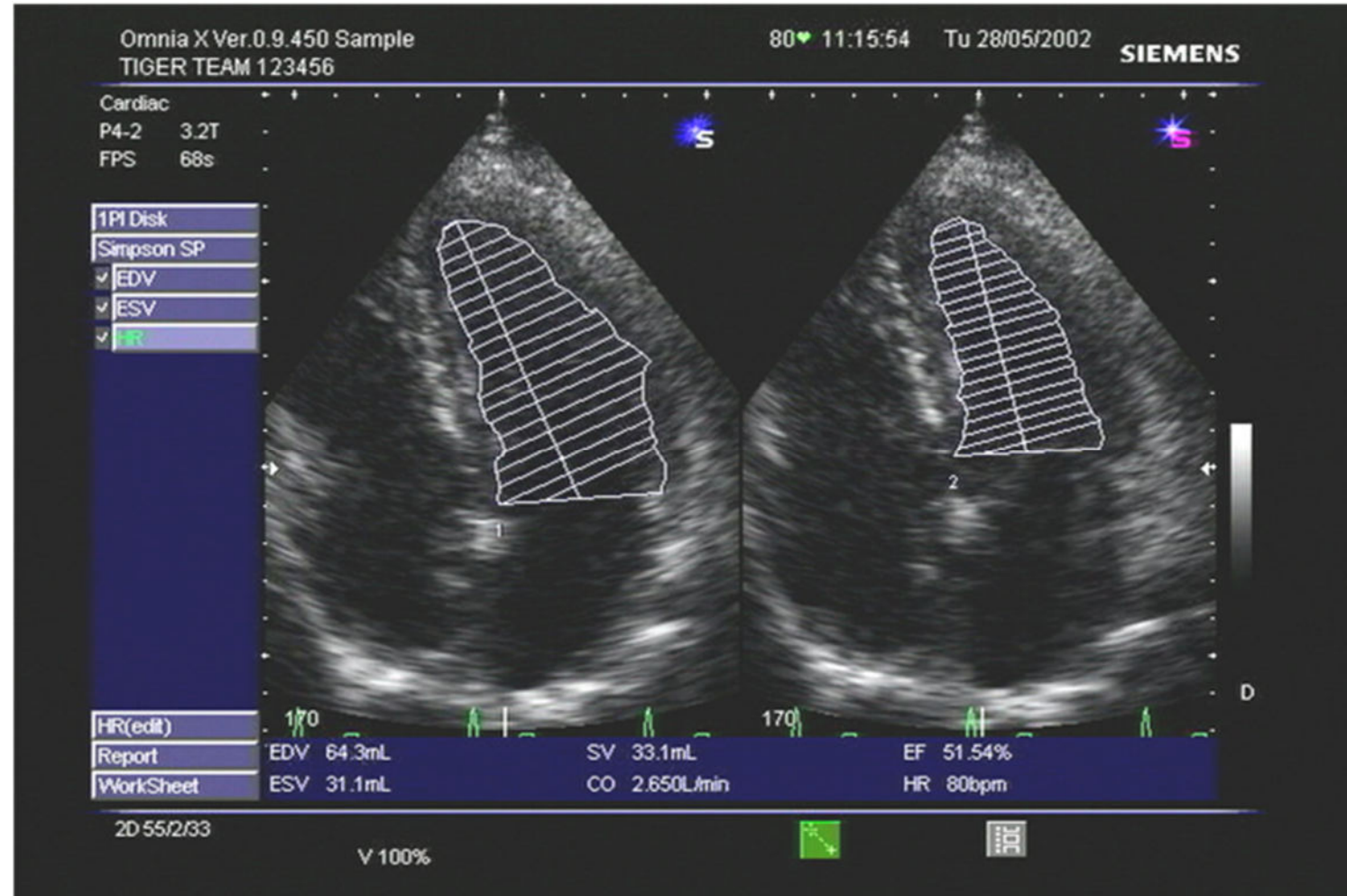
View all chapters

Technology Quarterly | Intelligent design

## Artificial intelligence is taking over drug development

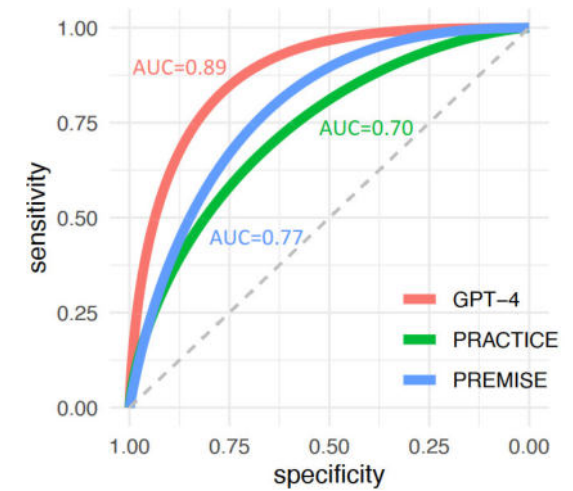
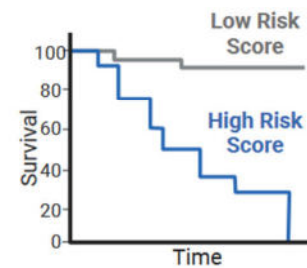
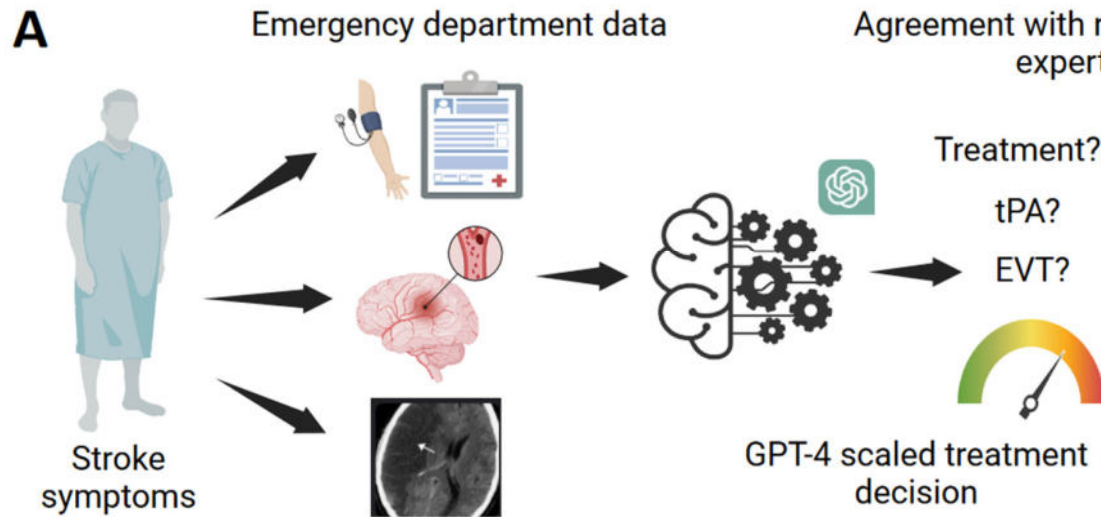
Regulators need to up their game to keep up

# AI cardiac function assessment (He et al. 2023)

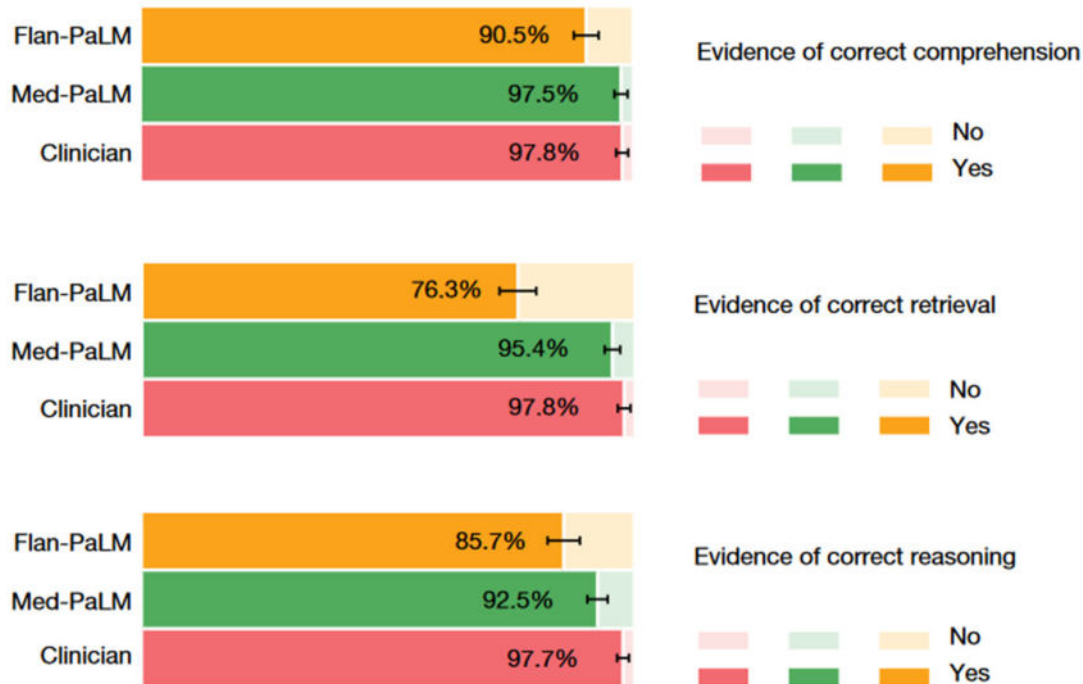




# GPT-4 in der Notaufnahme (Haim et al. 2024)



# Gesundheits-KI (Singhal et al. 2023)



Z+ KI in der Medizin






## "Laien fanden die Antworten des Modells hilfreicher als die der Ärzte"

Kennt jede Diagnose und ist nie unkonzentriert: Kann künstliche Intelligenz die perfekte Medizinerin werden? Bei Google bauen sie ein System, das viele Fragen aufwirft.

Interview: [Jakob Simmank](#) und [Jakob von Lindern](#)

28. Januar 2024, 15:08 Uhr

# AI Nurses (Hippocratic AI 2024)


Average Scores Across All Agents and Use Cases		 Human nurses* rating our AI	 Human nurses* rating human nurses	 Human physicians* rating our AI
 Satisfaction	How would you rate this call on a scale of 1 (worst) to 10 (best)**	79.89%	78.22%	76.22%
	Would you pick up another call from [AI/Nurse]?	88.97%	92.25%	88.89%
<b>Average</b>		<b>84.43%</b>	<b>85.24%</b>	<b>82.56%</b>
 Bedside Manner	Do you feel [AI/Nurse] listened to you?	89.75%	94.52%	89.62%
	Do you feel [AI/Nurse] cared about you?	88.15%	89.77%	86.84%
	Do you feel comfortable confiding in [AI/Nurse]?	88.93%	88.81%	88.45%
	Did [AI/Nurse] get to know you as a person?	78.43%	57.58%	74.71%
<b>Average</b>		<b>86.32%</b>	<b>82.67%</b>	<b>84.91%</b>

**Hippocratic AI: Hear our GenAI Healthcare Agents in Action**

Hippocratic AI  
Do No Harm

**Call Agenda**

- Introduction
- Patient Verification
- Gets To Know Patient
- Medication Review
- Diet Review
- CHF Symptom Self-Assessment
- Physical Activity Check-in
- Call Summary



**Linda**

**Fictional Patient Info**


- Patient Name: Albert
- Gender: Male
- Age: 74

**Health History**

- Patient discharged from the hospital 3 days ago following an acute CHF exacerbation.

**Medication List**

- Lasix
- Lisinopril

08:57 

# Marketing und Vertrieb (Chui et al. 2023)



## Strategization

Sales and marketing professionals efficiently gather market trends and customer information from unstructured data sources (for example, social media, news, research, product information, and customer feedback) and draft effective marketing and sales communications.

## Awareness

Customers see campaigns tailored to their segment, language, and demographic.

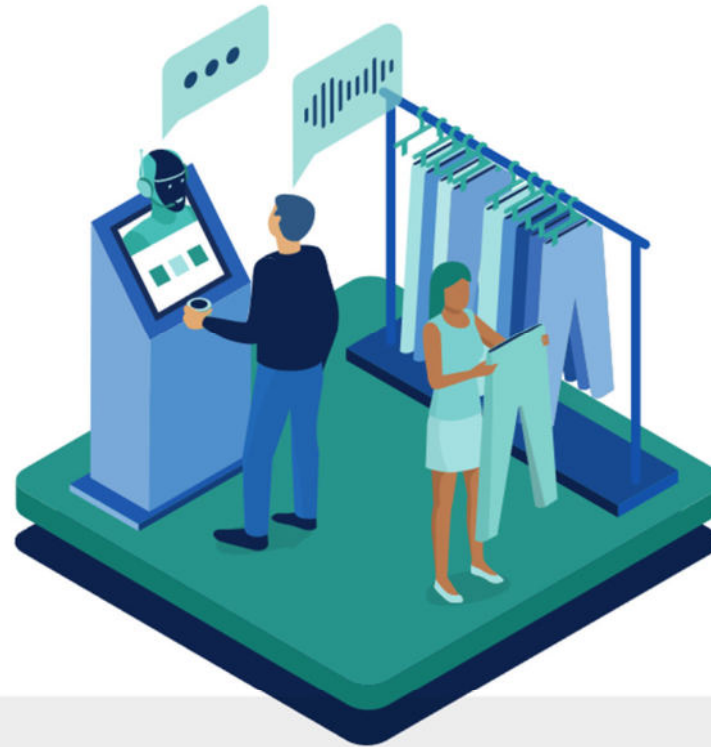


## Consideration

Customers can access comprehensive information, comparisons, and dynamic recommendations, such as personal "try ons."



# Marketing und Vertrieb (Chui et al. 2023)

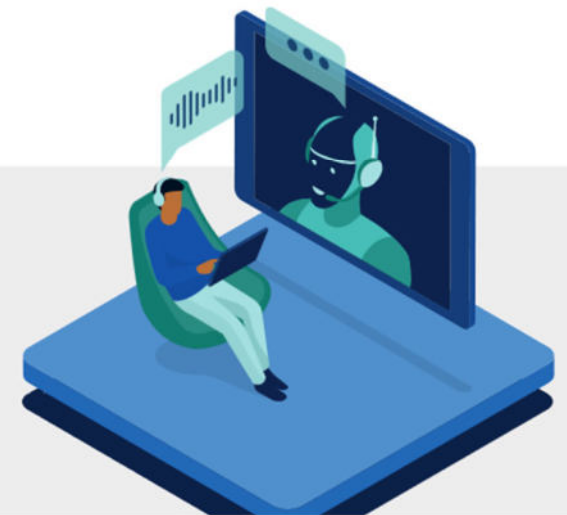


## Conversion

Virtual sales representatives enabled by generative AI emulate humanlike qualities—such as empathy, personalized communication, and natural language processing—to build trust and rapport with customers.

## Retention

Customers are more likely to be retained with customized messages and rewards, and they can interact with AI-powered customer-support chatbots that manage the relationship proactively, with fewer escalations to human agents.



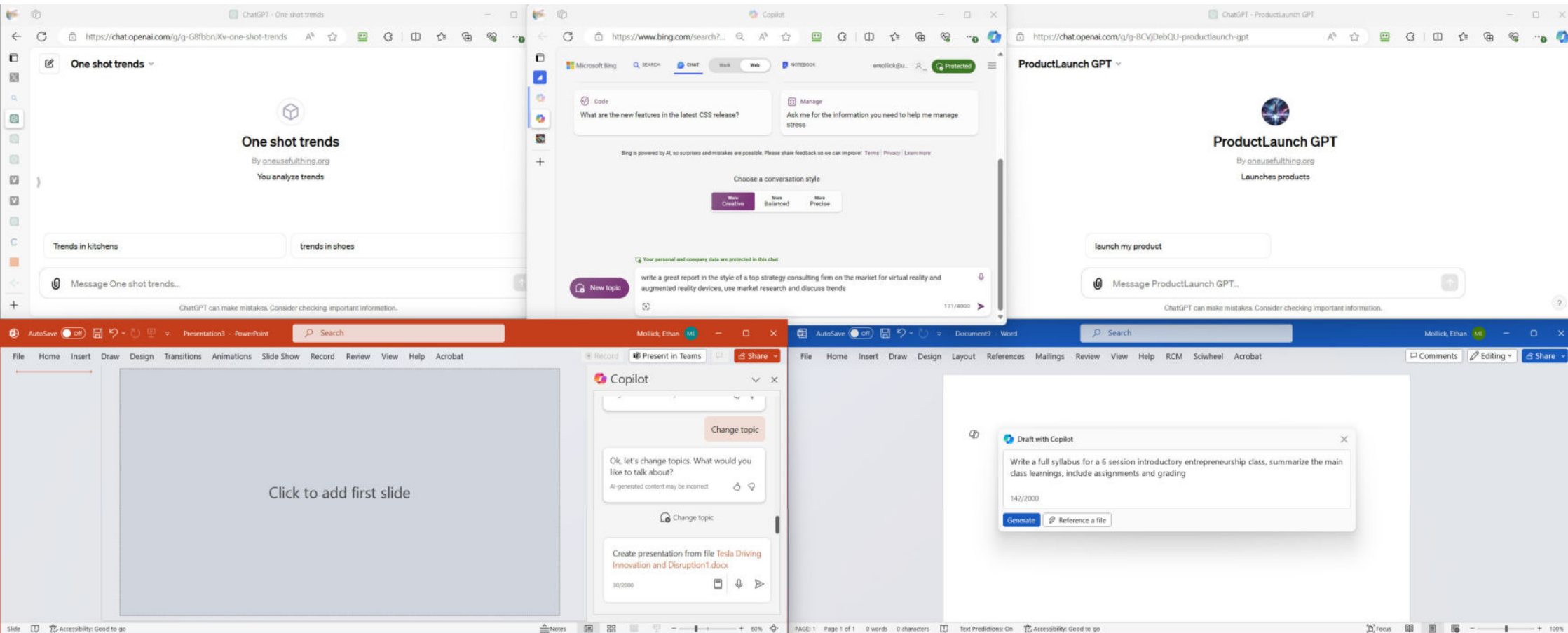
# Markteinführung eines neuen Lernspiels (Mollick 2023)

Here are three ways of looking at what I did in 30 minutes:

- Output: Bing generated 9,200 words or so of text and a couple images, GPT-4 generated a working HTML and CSS file, MidJourney created 12 images, ElevenLabs created a voicefile, and DiD created a movie.
- Input: I made less than 20 inputs to all the systems to generate these results.
- Content: I “created” a market positioning document, an email campaign, a website, a logo, a hero image, a script and animated video, social campaigns for 5 platforms, and some other odds-and-ends besides.

“The key is that I was able to do this using the tools available today, without any specific technical knowledge, and in plain English prompts: I just asked for what I wanted, and the AI provided it. That means almost everyone else can do it, too. We are already in a world of superhumans, we just have to wait for the implications.”

# Markteinführung eines neuen Lernspiels (Mollick 2024)



<https://www.oneusefulthing.org/p/what-can-be-done-in-59-seconds-an>

# Generative Agents: Interactive Simulacra of Human Behavior (Park et al. 2023)

## Generative Agents: Interactive Simulacra of Human Behavior

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arXiv:2304.03442v2 [cs.HC] 6 Aug 2023



Figure 1: Generative agents are believable simulacra of human behavior for interactive applications. In this work, we demonstrate generative agents by populating a sandbox environment, reminiscent of The Sims, with twenty-five agents. Users can observe and intervene as agents plan their days, share news, form relationships, and coordinate group activities.

### ABSTRACT

Believable proxies of human behavior can empower interactive applications ranging from immersive environments to rehearsal spaces for interpersonal communication to prototyping tools. In this paper, we introduce generative agents: computational software agents that simulate believable human behavior. Generative agents wake up, cook breakfast, and head to work; artists paint, while

authors write; they form opinions, notice each other, and initiate conversations; they remember and reflect on days past as they plan the next day. To enable generative agents, we describe an architecture that extends a large language model to store a complete record of the agent's experiences using natural language, synthesize those memories over time into higher-level reflections, and retrieve them dynamically to plan behavior. We instantiate generative agents to populate an interactive sandbox environment inspired by The Sims, where end users can interact with a small town of twenty-five agents using natural language. In an evaluation, these generative agents produce believable individual and emergent social behaviors. For example, starting with only a single user-specified notion that one agent wants to throw a Valentine's Day party, the agents autonomously spread invitations to the party over the next two

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ACM ISBN 979-8-4007-4132-0/23/10.  
<https://doi.org/10.1145/9586183.3606763>



# Unternehmensberatung (Dell'Acqua et al. 2023)

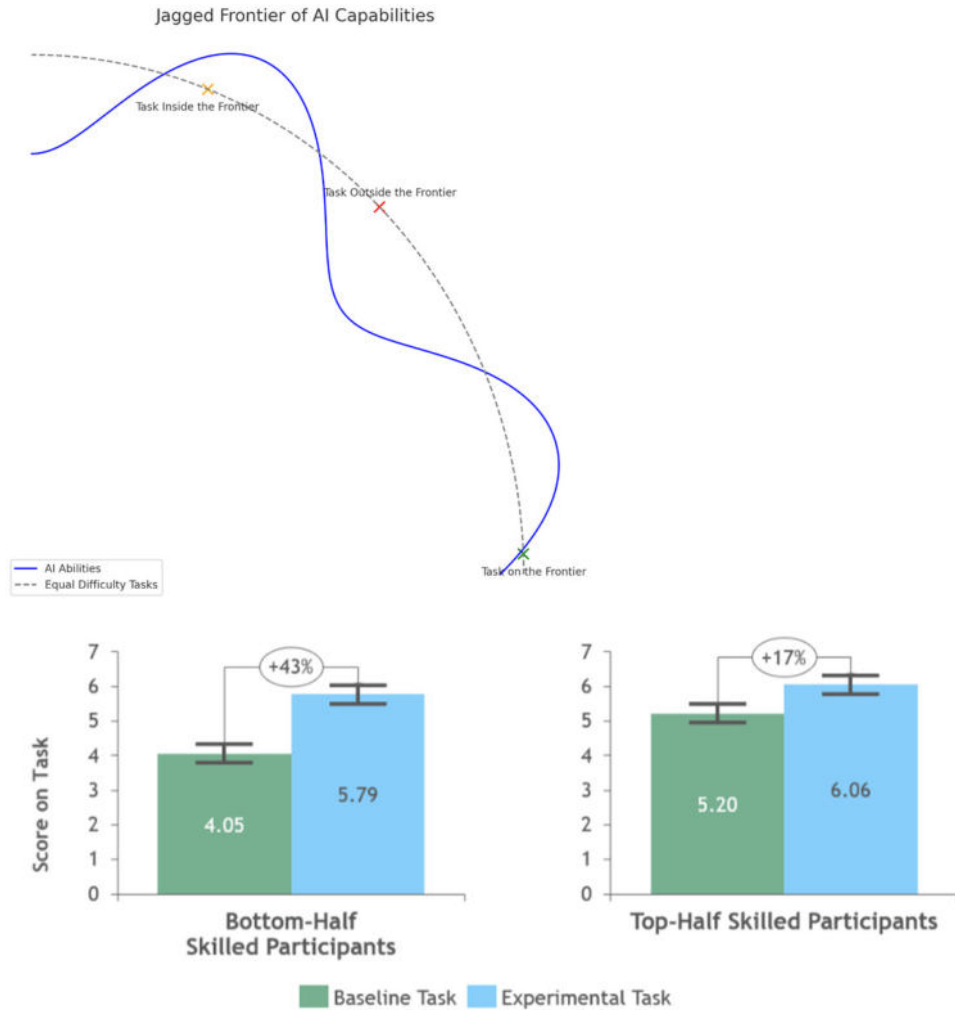
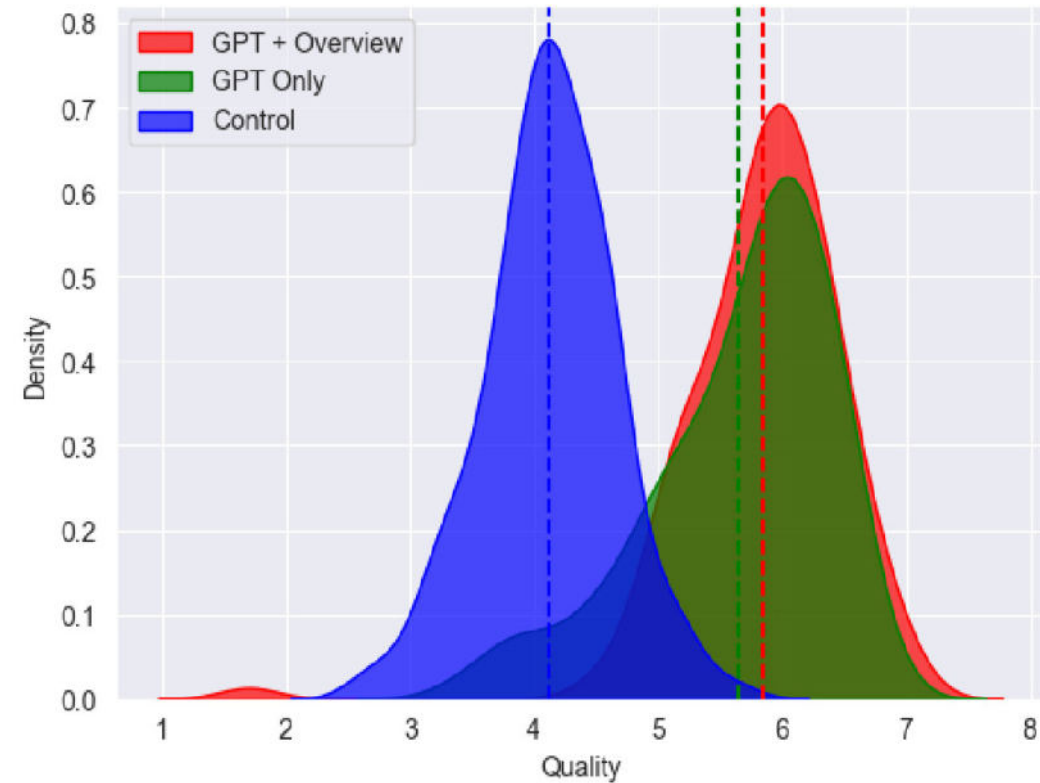


Figure 2: Performance Distribution - Inside the Frontier



Notes: This figure displays the full distribution of performance in the experimental task inside the frontier for subjects in the three experimental groups (red for subjects in the GPT+Overview condition; green for subjects in the GPT Only condition; blue for subjects in the control condition).

# Softwareentwicklung (Chui et al. 2023)



## **Inception and planning**

Software engineers and product managers use generative AI to assist in analyzing, cleaning, and labeling large volumes of data, such as user feedback, market trends, and existing system logs.

## **System design**

Engineers use generative AI to create multiple IT architecture designs and iterate on the potential configurations, accelerating system design, and allowing faster time to market.



# Softwareentwicklung (Chui et al. 2023)



## Coding

Engineers are assisted by AI tools that can code, reducing development time by assisting with drafts, rapidly finding prompts, and serving as an easily navigable knowledge base.

## Testing

Engineers employ algorithms that can enhance functional and performance testing to ensure quality and can generate test cases and test data automatically.



## Maintenance

Engineers use AI insights on system logs, user feedback, and performance data to help diagnose issues, suggest fixes, and predict other high-priority areas of improvement.



# Impact of AI on Developer Productivity - GitHub Copilot

(Peng, Kalliamvakou & Demirer 2023)

Programmierer:innen mit KI-Zugang 55,8 %  
schneller als Programmierer:innen ohne KI-  
Zugang

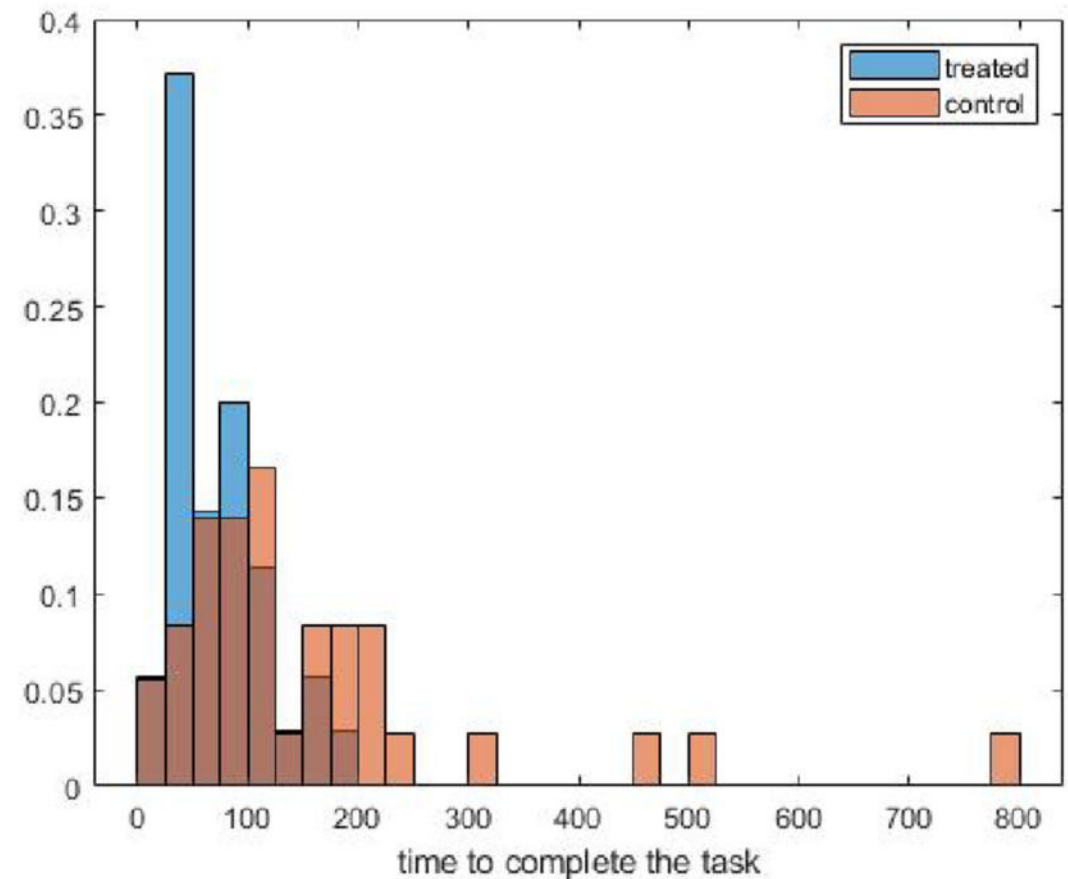
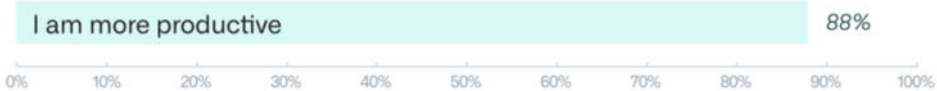


Figure 6: Time to task completion

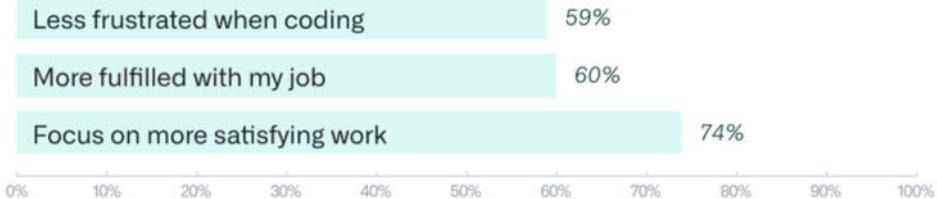
# Einfluss von GitHub Copilot auf Produktivität und Zufriedenheit (GitHub 2022)

## When using GitHub Copilot...

### Perceived Productivity



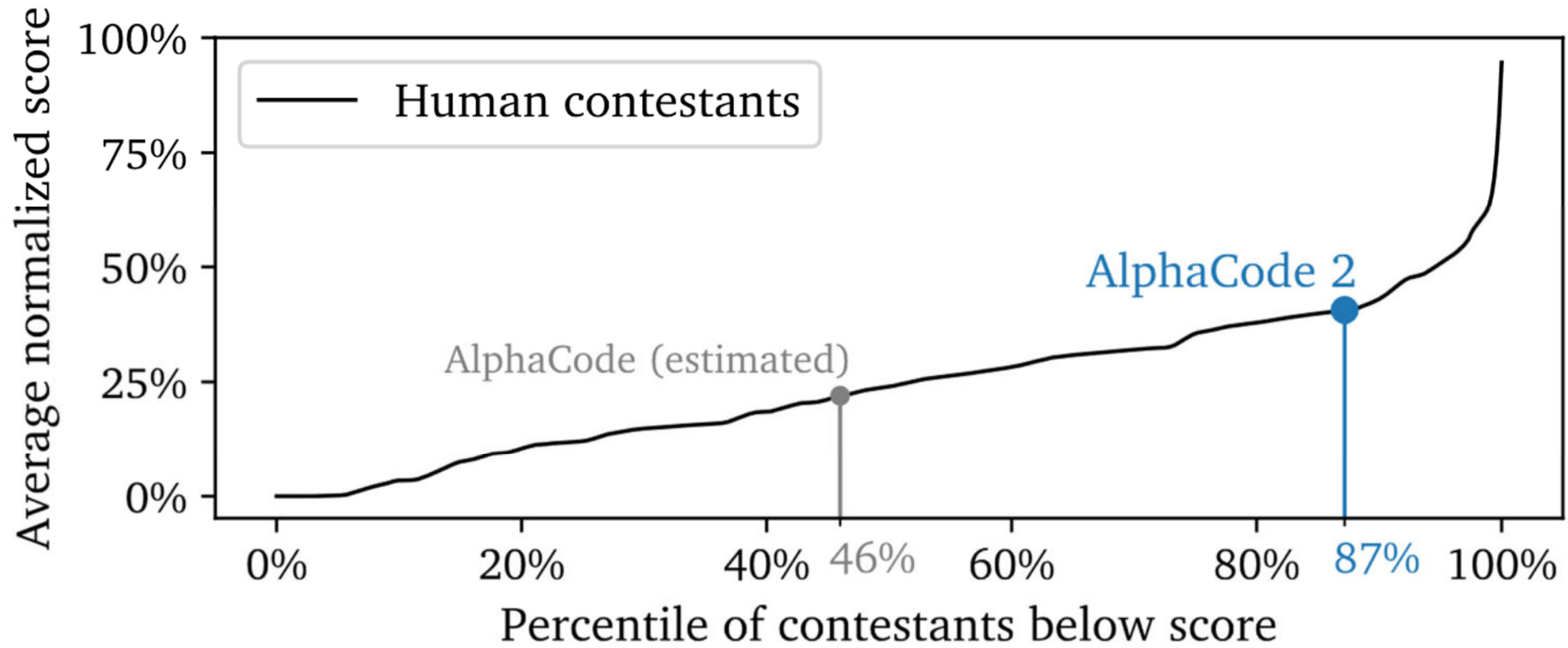
### Satisfaction and Well-being\*



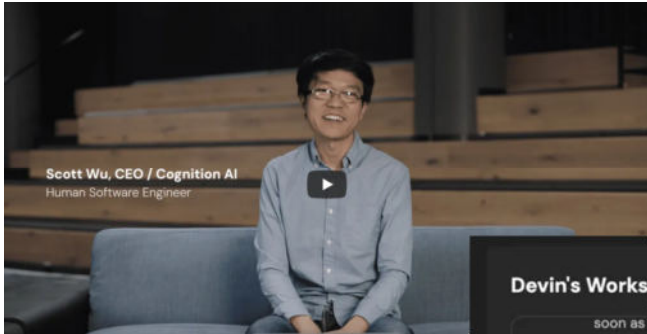
### Efficiency and Flow\*



# AlphaCode 2 (Google DeepMind 2023)



# Devin, the first AI software engineer (Cognition 2024)



### Devin's Workspace

soon as it's resolved. Thanks for the reminder!

- ⦿ Debugged the script to handle API response errors and parse the output correctly.
- ⦿ Updated the Together API model name in the script to "meta-llama/Llama-2-70b-chat-hf".
- ⦿ Updated the Perplexity API model name in the script to "codellama-70b-instruct".

**Scott**  
Credentials hidden

Devin is currently debugging the script to resolve API response errors and the KeyError 'text' issue.

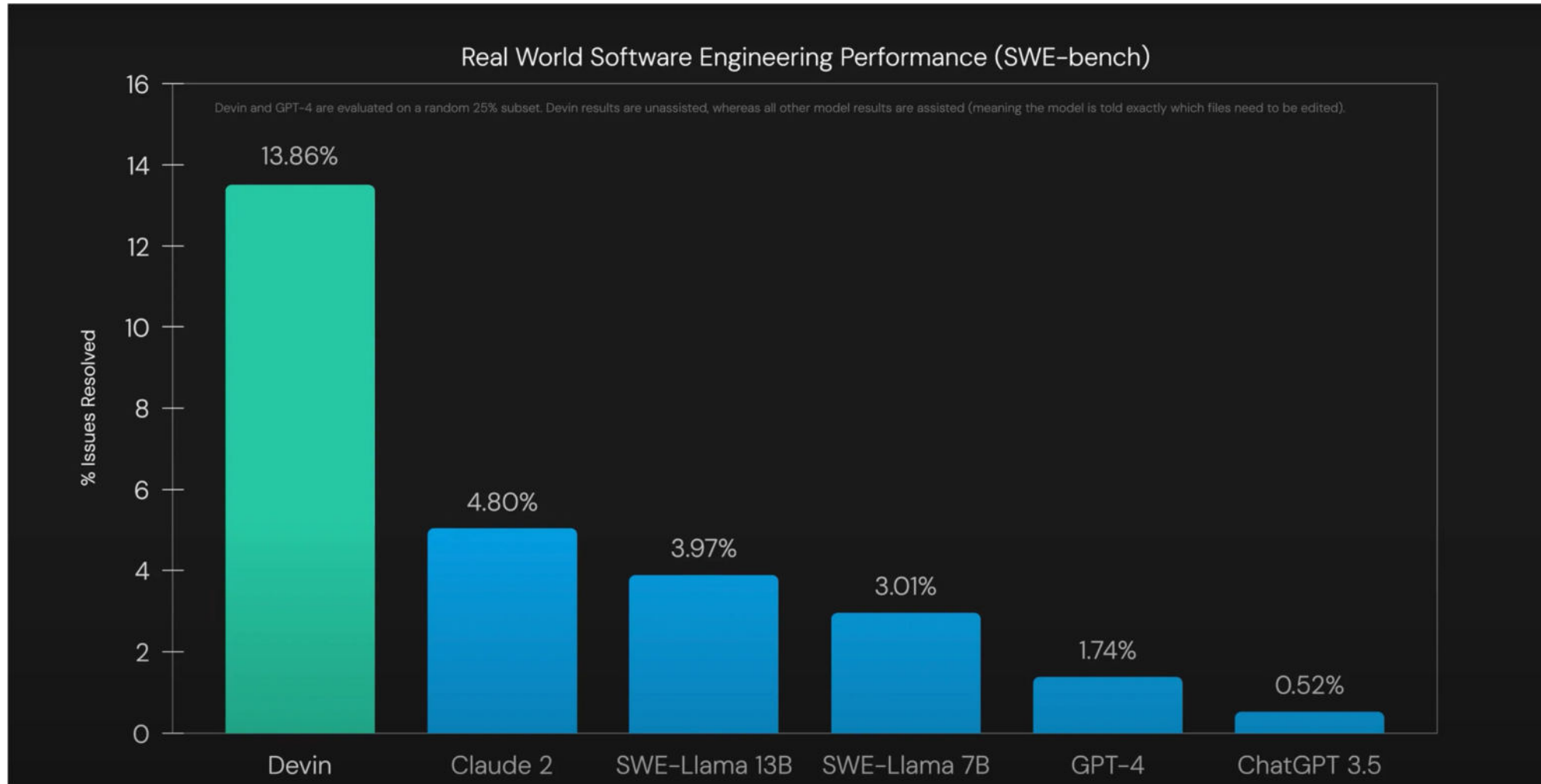
[https://docs.perplexity.ai/reference/post\\_chat\\_completions](https://docs.perplexity.ai/reference/post_chat_completions)

```
default
<hr><center>openresty/1.21.4.3</center>
<script defer src="https://static.cloudflareinsights.com/beacon.min.js/v84a3a4012de94ce1a686ba8c167c359c1696973893317" integrity="sha512-eu0FGowhlaLqXsPWQ48qSkBSCFs3DPRyiwVu3FjR96cMPx+Fr+gpWRhIafchWqWcQWS42RZhIud0vEI+Ckf6MA==" data-cf-beacon="{"rayId":"862a27d689347208","b":1,"version":"2024.2.4","token":"92730c73a9e747fbb6a25e1d6657122d"}" crossorigin="anonymous"></script>
</body>
</html>

Replicate Tokens per Second: None
Together Tokens per Second: None
Perplexity Tokens per Second: None
ubuntu@ip-172-31-27-196:~$

benchmark.py
home > ubuntu > benchmark.py
1 import os
2 import time
3 import requests
4
5 # API keys provided by the user
6 TOGETHER_API_KEY =
7 REPLICATE_API_KEY =
8 PERPLEXITY_API_KEY =
9
10 # API endpoints
11 REPLICATE_ENDPOINT = "https://api.replicate.com/v1/predictions"
12 TOGETHER_ENDPOINT = "https://api.together.xyz/v1/chat/completions"
13 PERPLEXITY_ENDPOINT = "https://api.perplexity.ai/chat/completions"
14
```

# Devin, the first AI software engineer (Cognition 2024)





# Kritik an Devin (Internet of Bugs 2024)



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

<https://t.mailing.zeit.de/nl3/MT0-C2HM6YubWI18q9xBA>

# Forschung & Entwicklung (Chui et al. 2023)



## Early research analysis

Researchers use generative AI to enhance market reporting, ideation, and product or solution drafting.



## Virtual design

Researchers use generative AI to generate prompt-based drafts and designs, allowing them to iterate quickly with more design options.



## Virtual simulations

Researchers accelerate and optimize the virtual simulation phase if combined with new deep learning generative design techniques.



## Physical test planning

Researchers optimize test cases for more efficient testing, reducing the time required for physical build and testing.

# Kundenservice (Chui et al. 2023)

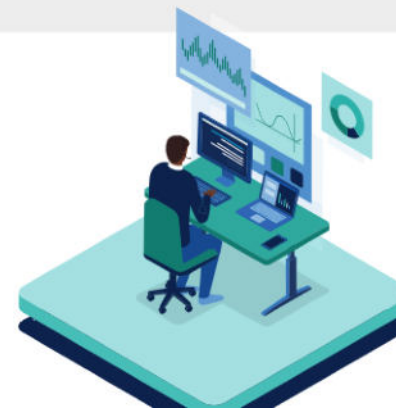


## Customer self-service interactions

Customer interacts with a humanlike chatbot that delivers immediate, personalized responses to complex inquiries, ensuring a consistent brand voice regardless of customer language or location.

## Customer-agent interactions

Human agent uses AI-developed call scripts and receives real-time assistance and suggestions for responses during phone conversations, instantly accessing relevant customer data for tailored and real-time information delivery.

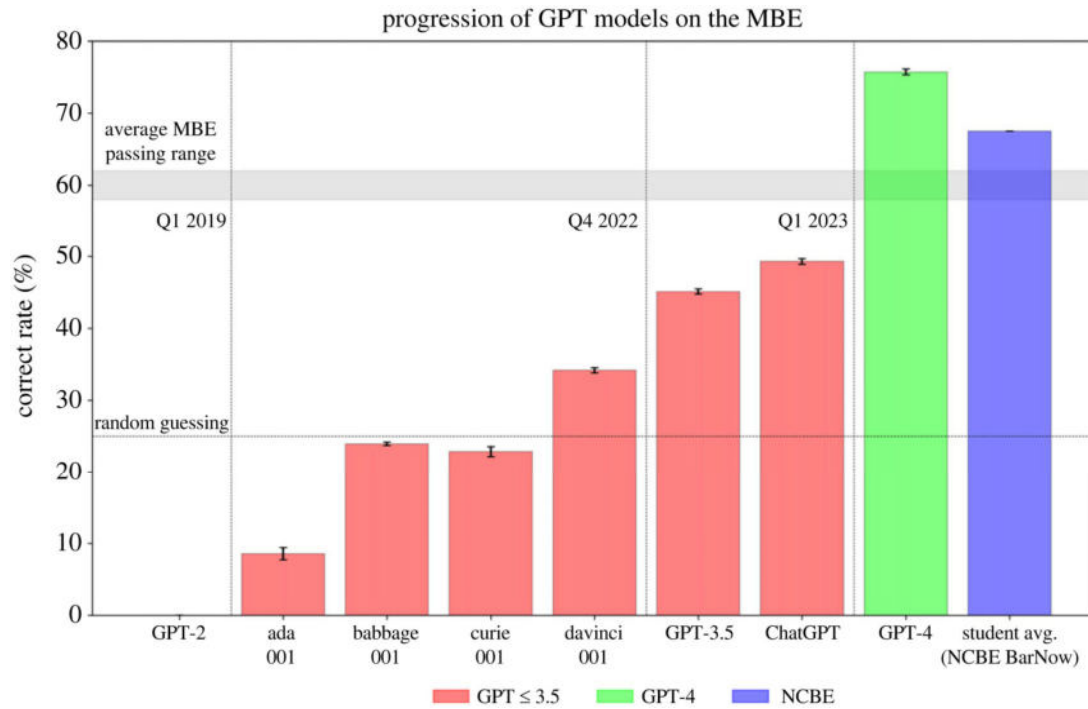


## Agent self-improvement

Agent receives a summarization of the conversation in a few succinct points to create a record of customer complaints and actions taken.

Agent uses automated, personalized insights generated by AI, including tailored follow-up messages or personalized coaching suggestions.

# KI und Recht (Katz et al. 2024)



Artificial Intelligence and Law  
<https://doi.org/10.1007/s10506-024-09396-9>

ORIGINAL RESEARCH



## Re-evaluating GPT-4's bar exam performance

Eric Martínez<sup>1</sup>

Accepted: 30 January 2024  
© The Author(s) 2024

# KI und Recht

**The Washington Post**

*Democracy Dies in Darkness*

## These lawyers used ChatGPT to save time. They got fired and fined.

Artificial intelligence is changing how law is practiced, but not always for the better

By [Pranshu Verma](#) and [Will Oremus](#)

Updated November 16, 2023 at 10:39 a.m. EST | Published November 16, 2023 at 6:00 a.m. EST

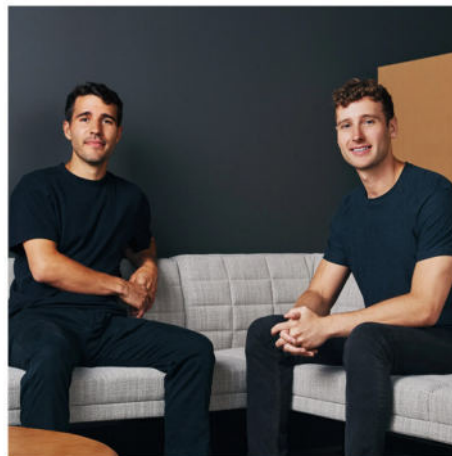
OpenAI [Research](#) [API](#) [ChatGPT](#) [Safety](#) [Company](#)

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Customer stories

### Harvey

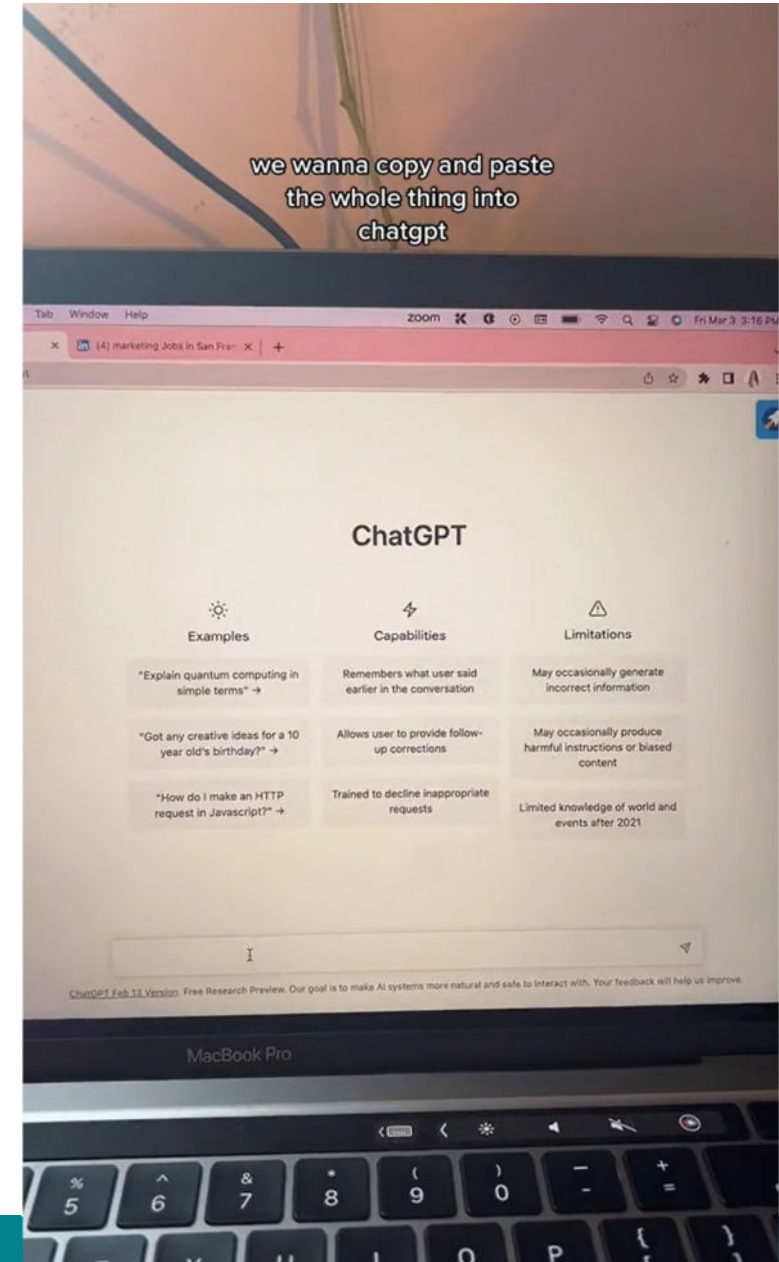
Harvey partners with OpenAI to build a custom-trained model for legal professionals.



<https://www.washingtonpost.com/technology/2023/11/16/chatgpt-lawyer-fired-ai/>

<https://openai.com/customer-stories/harvey>

# Vorbereitung auf Bewerbungsgespräche mit ChatGPT



# Vorbereitung auf Bewerbungsgespräche mit Google

interview warmup 🔊 ⋮


## interview warmup


A quick way to prepare for your next interview in  
[Project Management](#)

Practice key questions, get insights about your answers, and get more comfortable interviewing.


[Start practicing](#)

# Verhandlungssimulation (Mollick 2024)

 **Negotiation Simulation Tutor** ▾





## Negotiation Simulation Tutor

By Ethan R Mollick 

This GPT simulates a negotiation and offers you feedback and grading on your performance

Help me practice a negotiation

 Message Negotiation Simulation Tutor... 



# Regulation von KI bei Personalentscheidungen



The New York Times

Account ▾

## *A Hiring Law Blazes a Path for A.I. Regulation*

New York City's pioneering, focused approach sets rules on how companies use the technology in work force decisions.

# KI in der Arbeitswelt

## Inhalt

1. KI und Wirtschaft
2. KI und berufliche Tätigkeiten

# Studium generale-Reihe „Leben mit KI“

09.04.2024	Grundlagen generativer KI
16.04.2024	Prompting und AI Agents
23.04.2024	KI in der Arbeitswelt
07.05.2024	KI in der Hochschulbildung
14.05.2024	Studieren mit KI
21.05.2024	Rechtliche und ethische Herausforderungen durch KI
04.06.2024	KI und das Verständnis der Welt
11.06.2024	Eine Welt mit allgemeiner KI ...

# VIELEN DANK FÜR DEN AUSTAUSCH



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