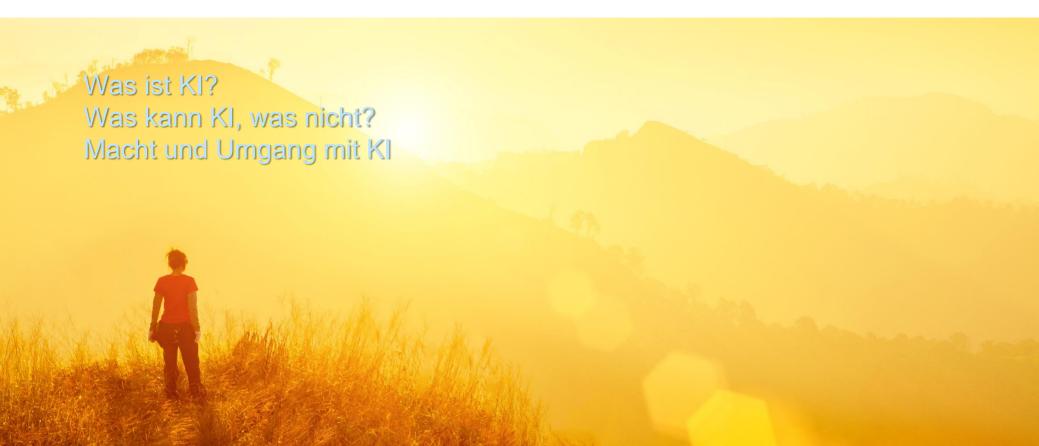
Die Macht der künstlichen Intelligenz

KCF Berlin, 27. April 2023

Thilo Stadelmann







Die Wissenschaft vom Lösen komplexer Probleme



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Das Erzeugen intelligenten wirkenden Verhaltens mit dem Computer



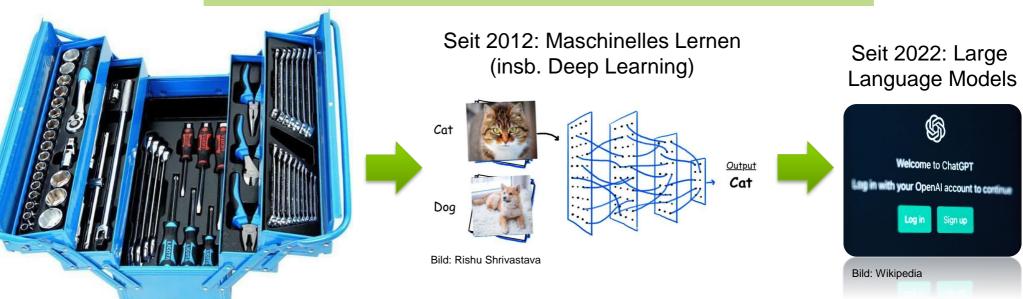
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Wie funktioniert künstliche Intelligenz?



Text: Second Law of Robotics: A robot must obey the orders given it by human beings

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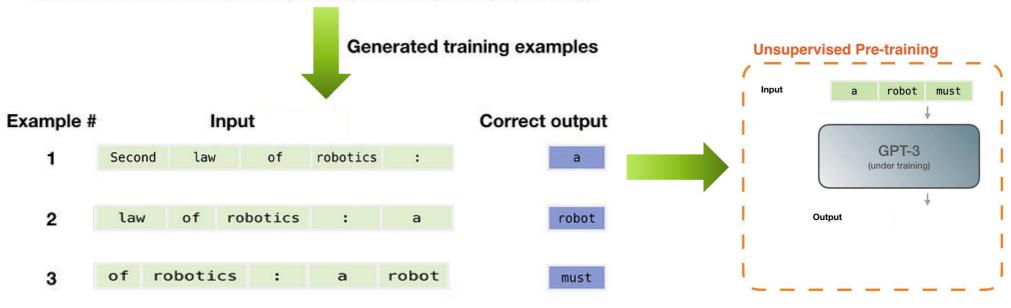
Quelle: https://medium.com/nerd-for-tech/gpt3-and-chat-gpt-detailed-architecture-study-deep-nlp-horse-db3af9de8a5d

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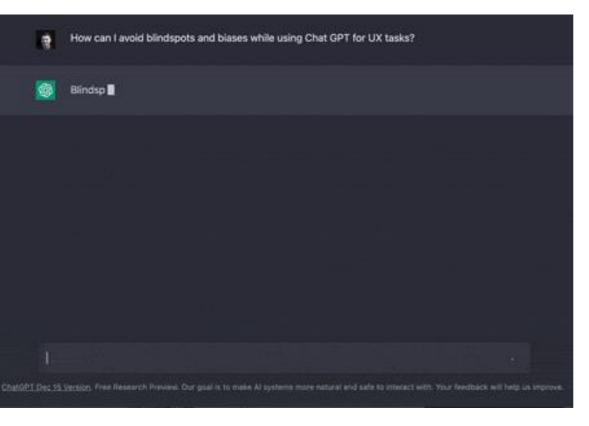
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Wie nützlich ist das Ergebnis?





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Halluzination: Kein Begriff von Fakten/Wahrheit (Arbeitsprinzip: Interpolation)

- Schlussfolgerungsmechanismus: Keine Schaltkreise für korrekte Logik (Arbeitsprinzip: Sofortantwort)
- **Einhegung**: Schwer an Regeln zu binden (Arbeitsprinzip: statistisches Sampling)
- → Ausserlich behandelt durch Plugins & Alignment

Mittwoch, 15. Februar 2023 · Nr. 12

Meinung Finanzundwirtschaft | 3

ChatGPT heralds tech revolution

The text generator ChatGPT is breaking growth records and is the current tech hype par excellence. What makes the new tool truly special is its applicability across a broad spectrum. PASCAL KAUFMANN, THILO STADELMANN, BENJAMIN GREWE

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business of the tech

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Mittwoch, 15. Februar 2023 · Nr. 12 Meinung FINANZ und WIRTSCHAFT

Thilo Stadelmann is a Swiss computer scientist and expert in artificial intelligence, with a focus on machine learning and pattern recognition. He is a professor at the Zurich University of Applied Sciences (ZHAW) in Winterthur, Switzerland, where he leads the **Institute of Applied Information** Fechnology's research and teaching activities in the field of Al. Stadelmann has a background in electrical engineering and computer science, having earned his Ph.D. from the University of Stuttgart, Germany. His research interests include multimedia analysis, natural language processing and deep learning, with applications in various domains, such as speech recognition, image processing, and document analysis. In addition to his academic work, Thilo Stadelmann has been involved in various research projects and collaborations with industry partners, helping to advance AI applications and develop practical solutions to real-world problems. He is also a frequent speaker at conferences and events, sharing his insights and expertise in the field of artificial intelligence.



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- **Rechtliche Fragen**: Wie werden Gerichte in Urheberrechts-/Datenschutzfällen entscheiden?
- Wirtschaftliche Fragen: Abhängigkeiten und Verwerfungen in einem "Winner takes it all" Markt

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Macht





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...Gutes zu Tun: technische Gründe





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Angst





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Elon Musk kündigt Konkurrenz für Kl-Software ChatGPT an

Die neue KI soll nach Musks Worten "maximal wahrheitssuchend" sein. Der Tech-Milliardär hatte zuletzt vor Falschinformationen durch KI gewarnt.

18.04.2023 • Update: 18.04.2023 - 04:43 Uhr • 3 Kommentare • 2 x geteilt

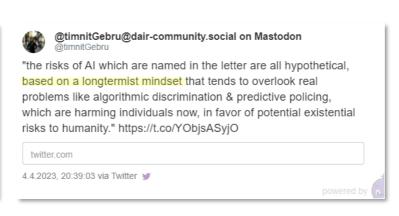




Der Tesla-Chef will den KI-Markt aufmischen Foto: Reuters









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Hoffnung begründen → nur der Glaube liefert letzte Argumente in komplexen Zeiten

Fazit



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- In der zukünftigen Flut perfekter, generierter Inhalte zählt echte menschliche Gemeinschaft

Weiterführende Ressourcen zur Vertiefung des Vortrags online!



Über mich:

Prof. Dr. Thilo Stadelmann Director ZHAW Centre for Artificial Intelligence Head of Computer Vision, Perception & Cognition Group LinkedIn: https://www.linkedin.com/in/thilo-stadelmann/

Email: stdm@zhaw.ch Phone: +41 58 934 72 08

Ressourcen: https://stdm.github.io/kcf-2023-resources/









