

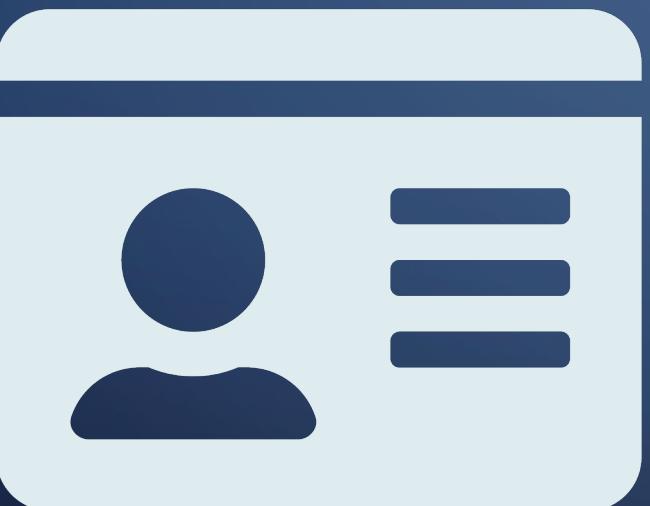


BLICK IN DIE ZUKUNFT – ODER SPIEGEL DER GESELLSCHAFT

DIE DARSTELLUNG VON KÜNSTLICHER INTELLIGENZ IN SCIENCE
FICTION

MASTER THESIS – LARISSA HAAS

ÜBER MICH



LARISSA HAAS

Larissa Haas

- Bachelor in Politikwissenschaften / Medien- und Kommunikationswissenschaften (Uni MA)
- Master in Data Science (Uni MA)
- Aktuell Data Scientist NLP bei sovanta AG

MOTIVATION



CHARAKTERISTIKA



ZUSAMMENHÄNGE

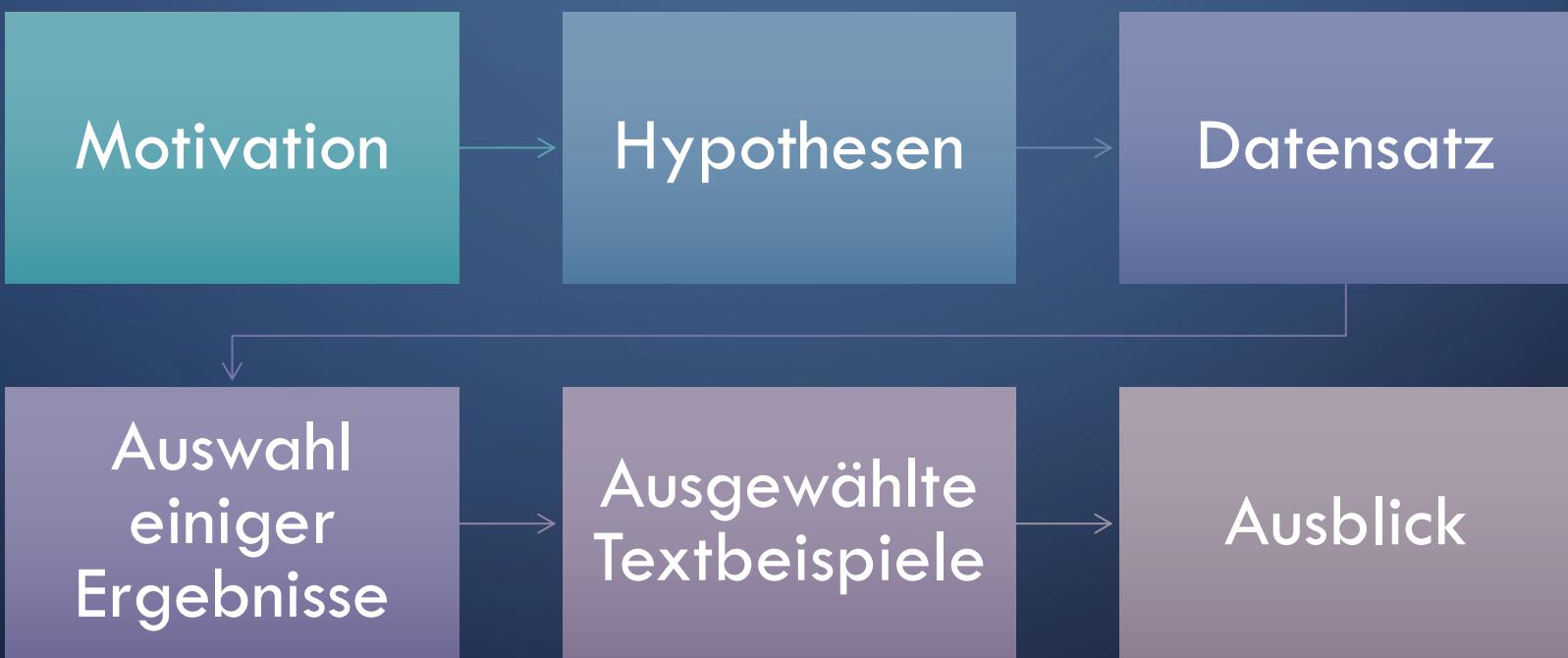


STEREOTYPE /
TROPES

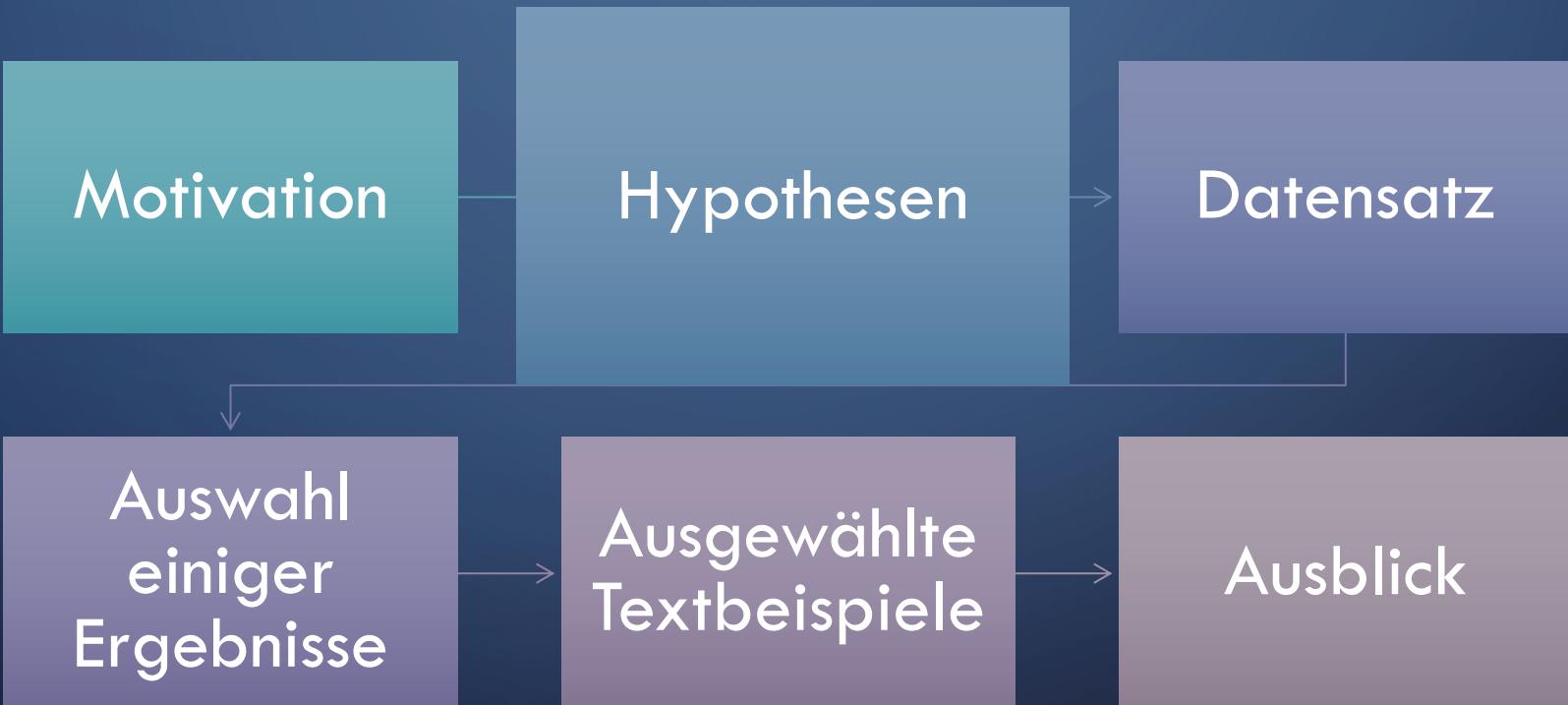


ENTWICKLUNGEN

AGENDA



AGENDA



ERGEBNISSE VON FORSCHUNG MIT „REALEN“ KÜNSTLICHEN INTELLIGENZEN

Menschen behandeln Computer als „social actors“ [1]

Sie interagieren mit Robotern „more socially“ [2]

Wir übertragen zwischenmenschliche Vorurteile auch auf KIs?

BEKANNT TROPES FÜR „KÜNSTLICHE MENSCHEN“ BZW. KIS



- Frankenstein Komplex
- „Male normativity“ [3]
- Kampfmaschine
- Diener
- Wandel vom Diener zur Person [4]

HYPOTHESEN (AUSWAHL)

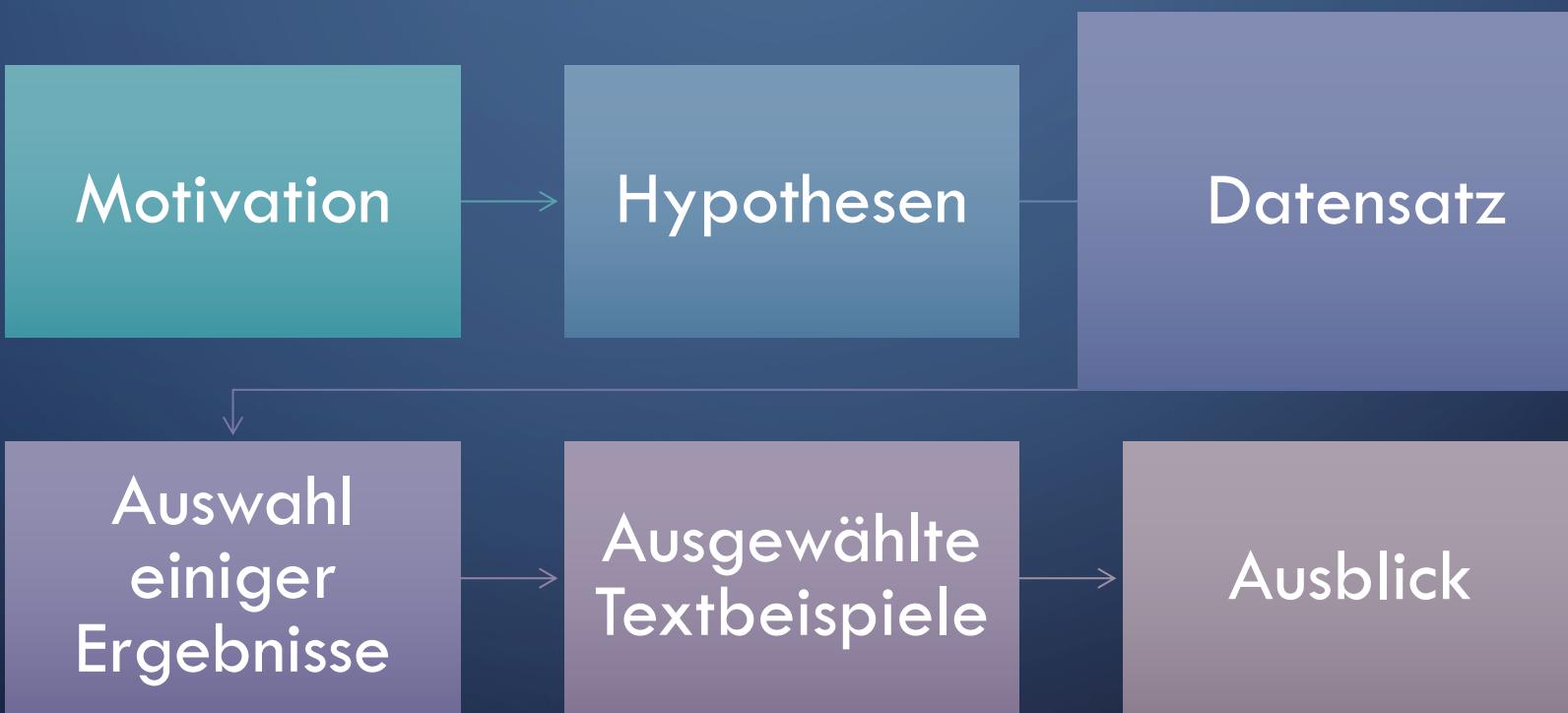
KIs sind eher männlich als weiblich dargestellt.

Wenn das Geschlecht genannt wird, ist die Kl eher weiblich.

KI als Diener / Gefahr / Krieger

Die Beziehung zwischen Kl und Mensch wird persönlicher.

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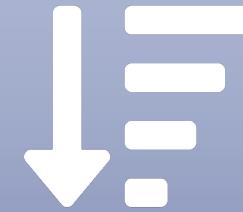
DATENSATZ

Datensatz

Welche Bücher
wähle ich aus?



Wie forme ich
Geschichten in
Zahlen um?



Datensatz



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FRAGEBOGEN AUSGEWÄHLTE FRAGEN



Erscheinungsbild



Beziehung zu Menschen



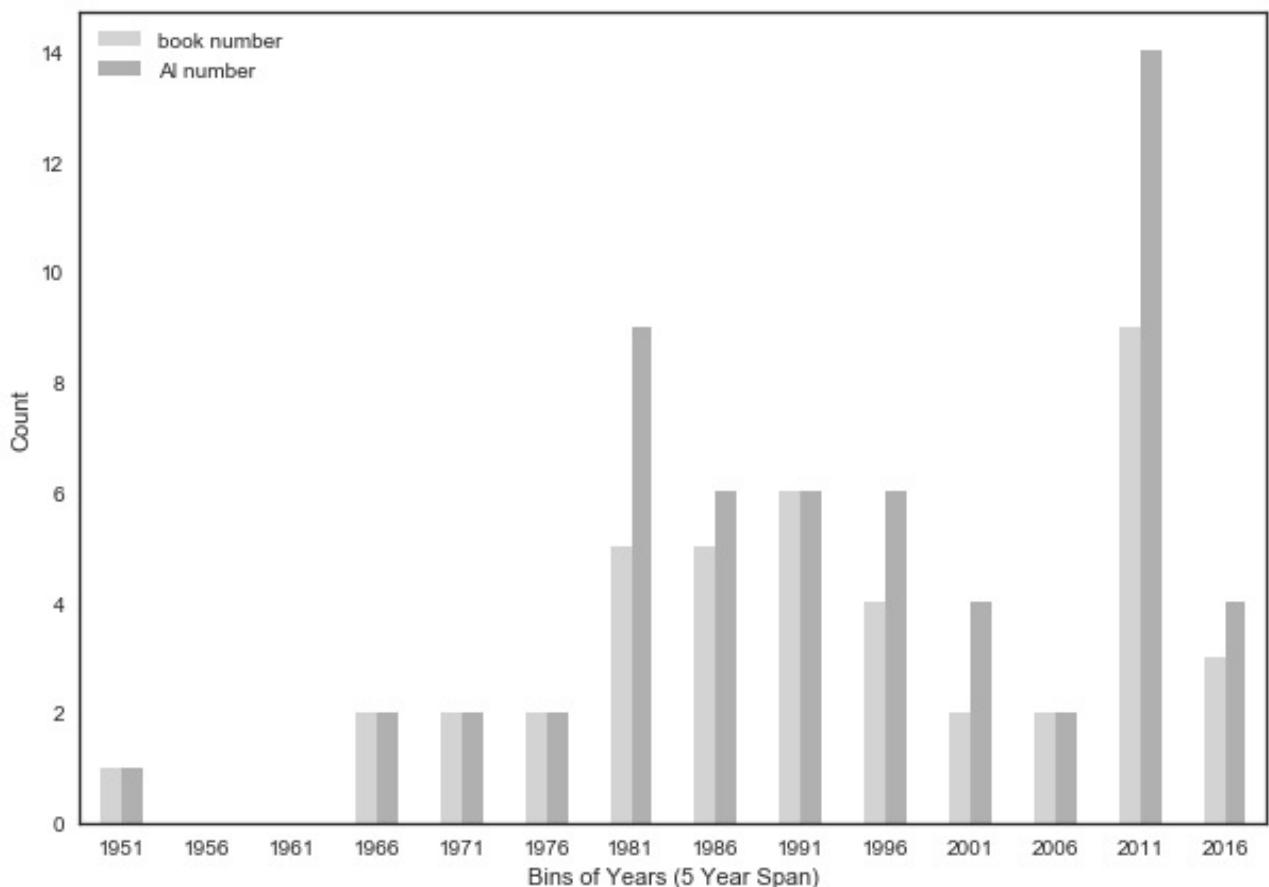
Fähigkeiten



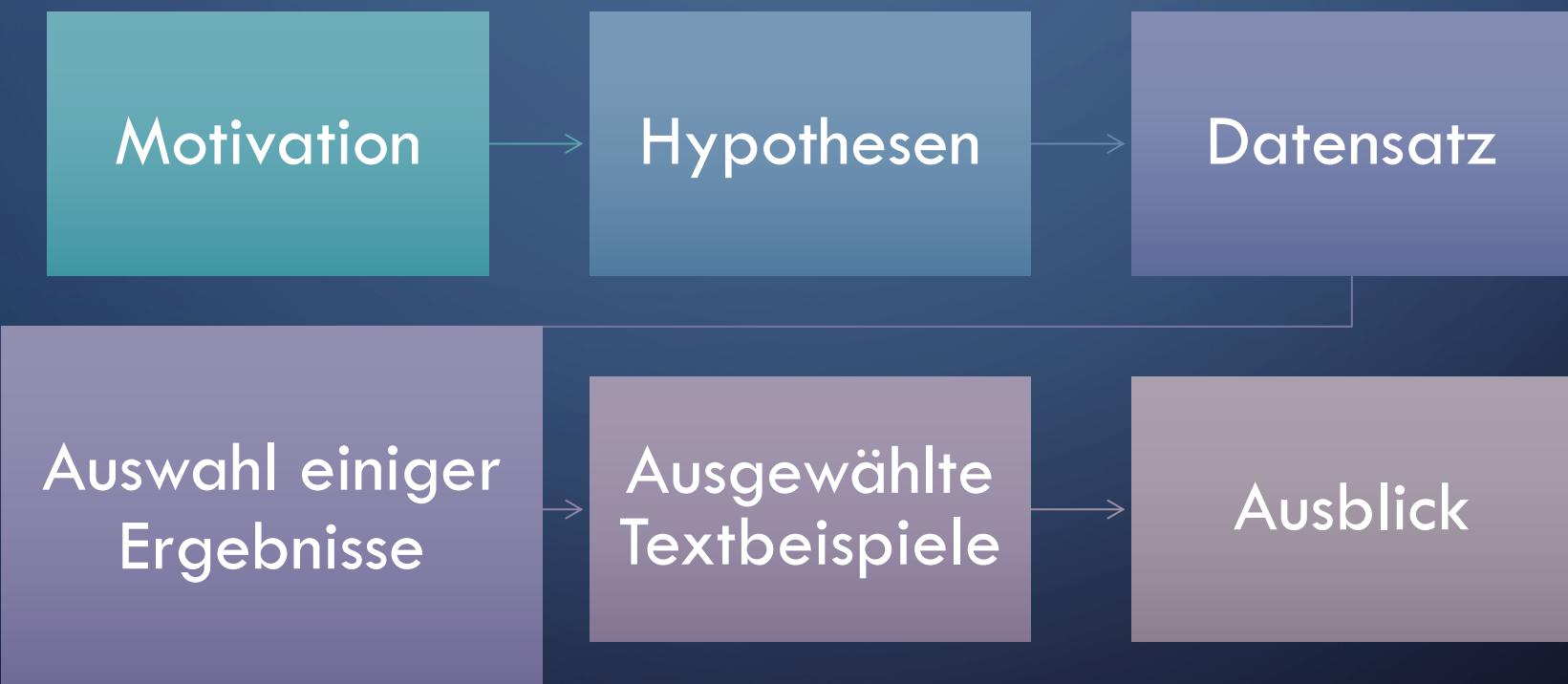
Rolle in der Geschichte

RESULTIERENDER DATENSATZ

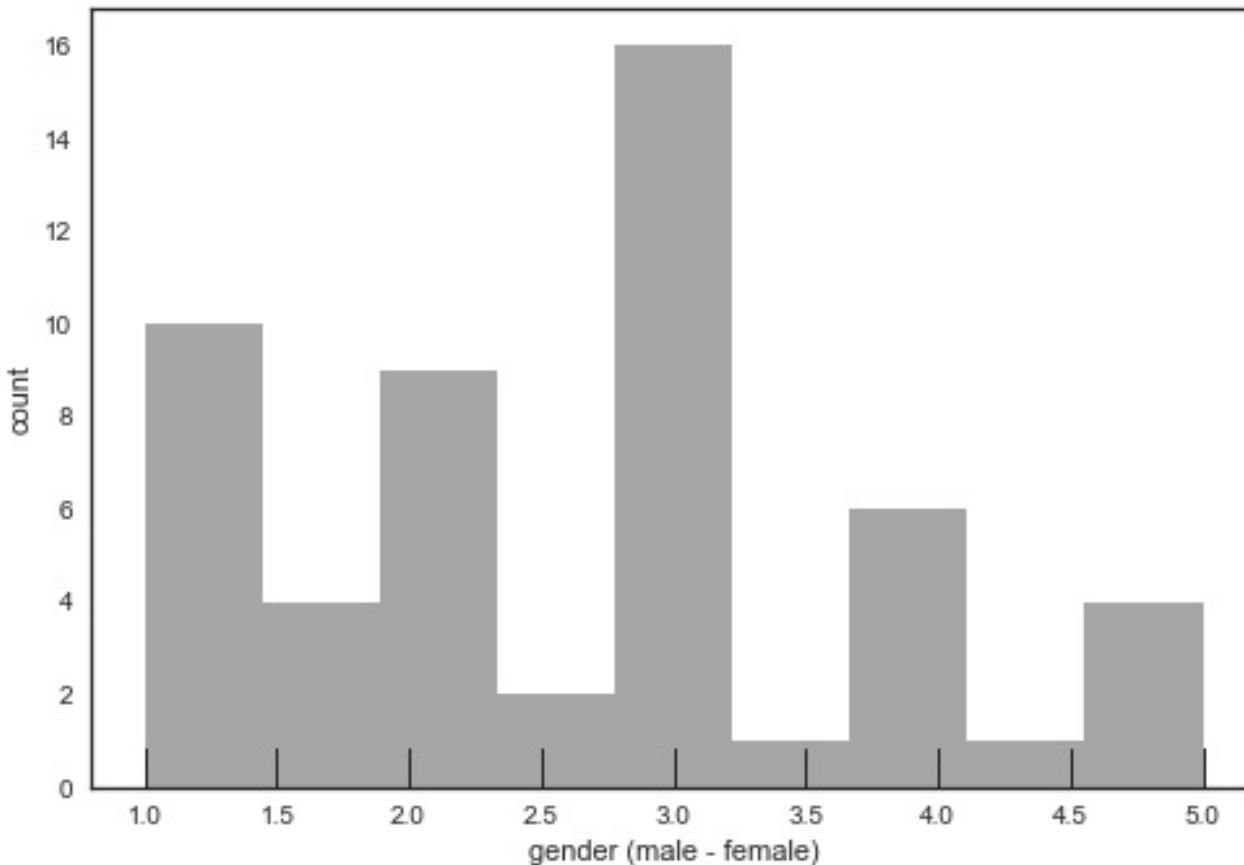
58 Künstliche Intelligenzen aus
44 Geschichten



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WESENTLICH MEHR
MÄNNLICHE KIS ALS
WEIBLICHE

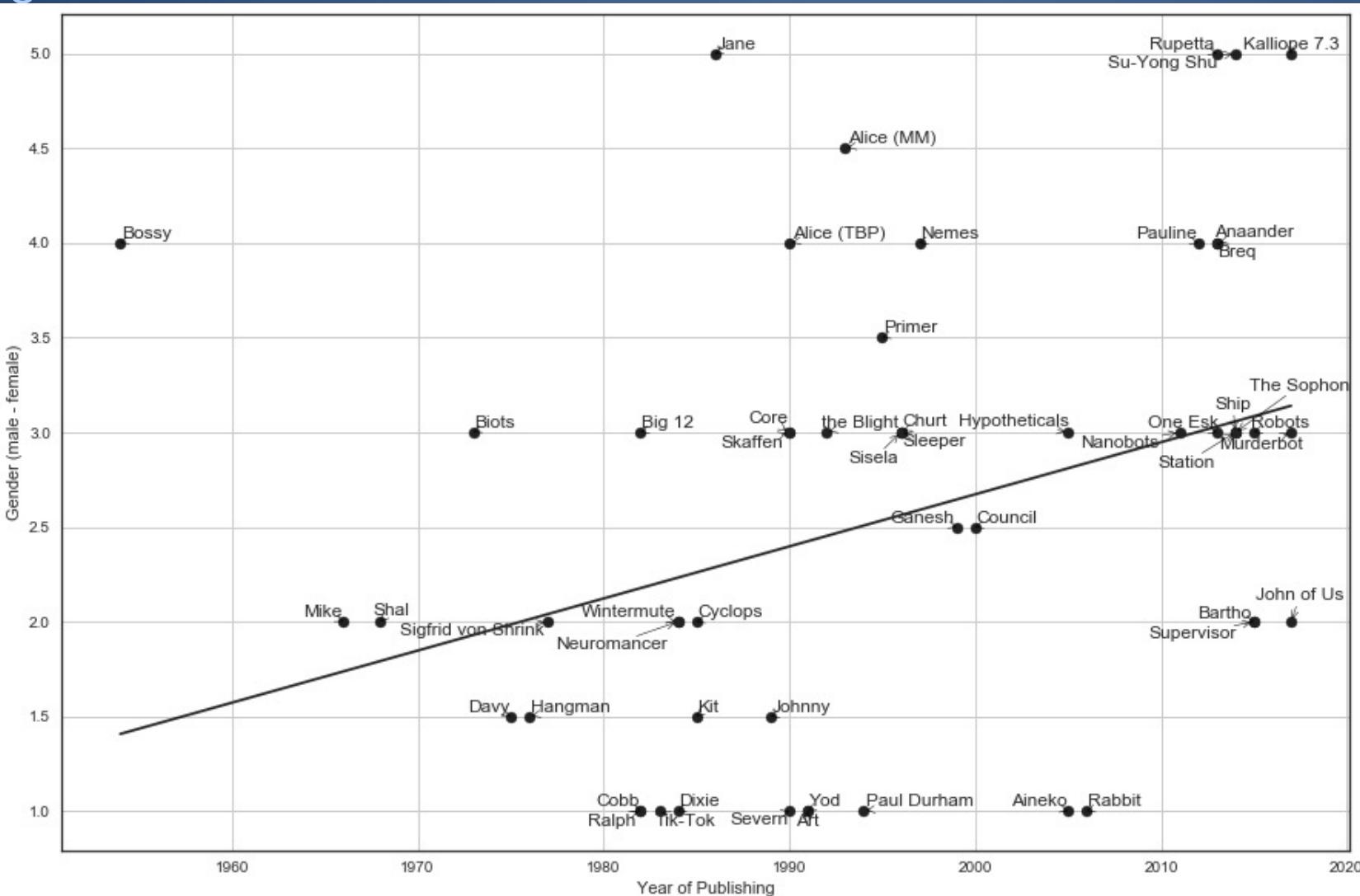


Ergebnisse

KIS WERDEN
WEIBLICHER
MIT DER ZEIT

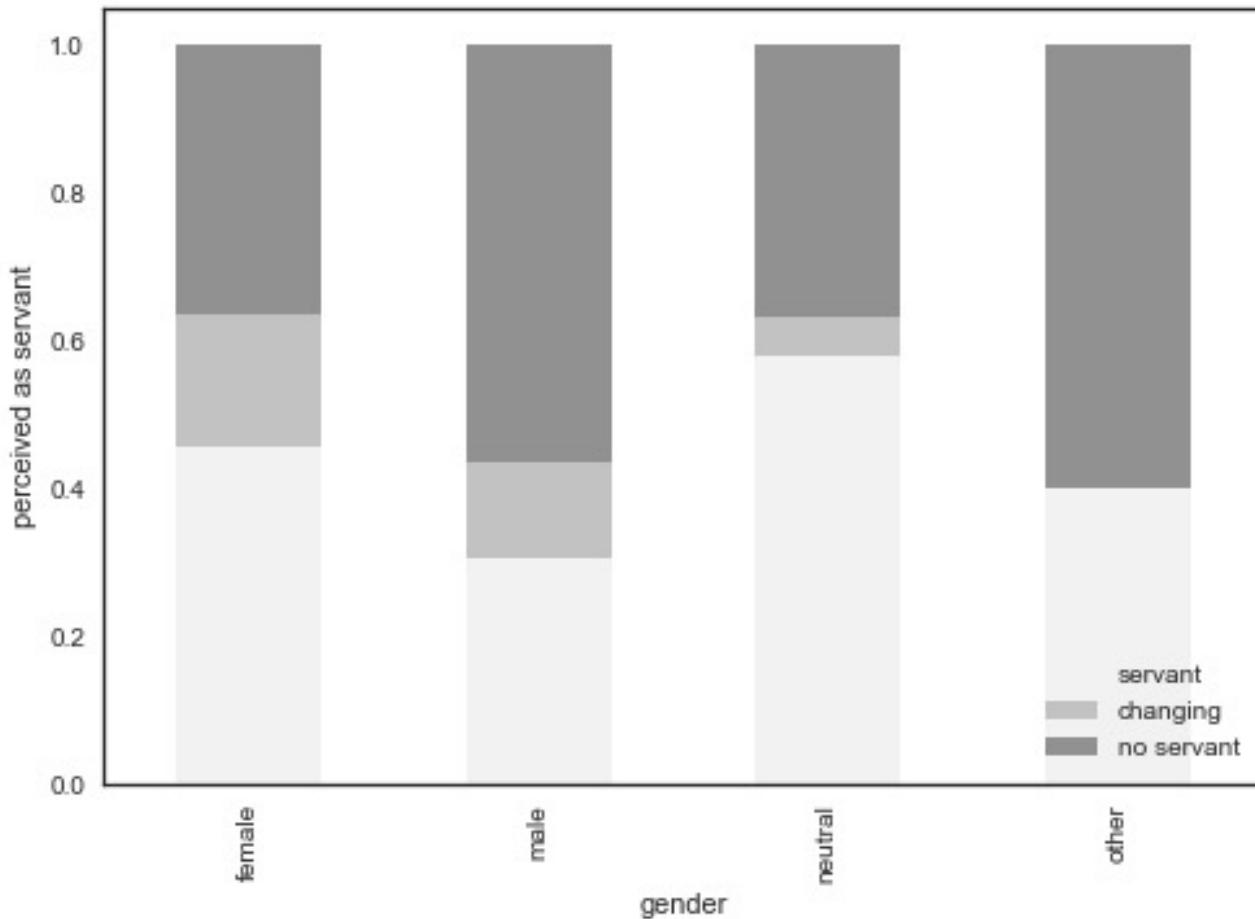
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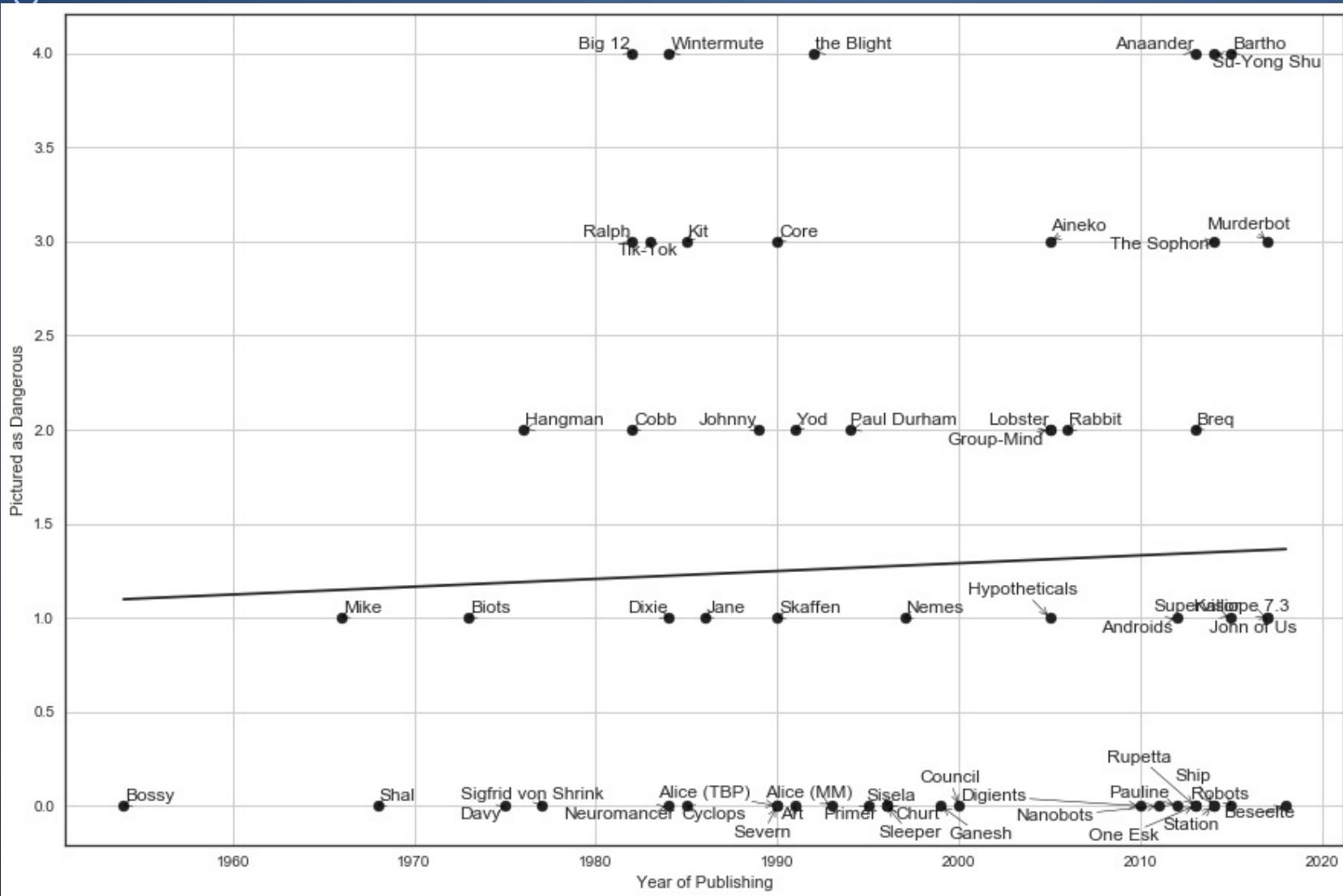
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WEIBLICHE KIS
WERDEN EHER IN
DIENENDER
FUNKTION
DARGESTELLT



Ergebnisse

KIS WERDEN
NICHT
UNBEDINGT
HARMLOSER
ODER
GEFÄHRLICHER
MIT DER ZEIT

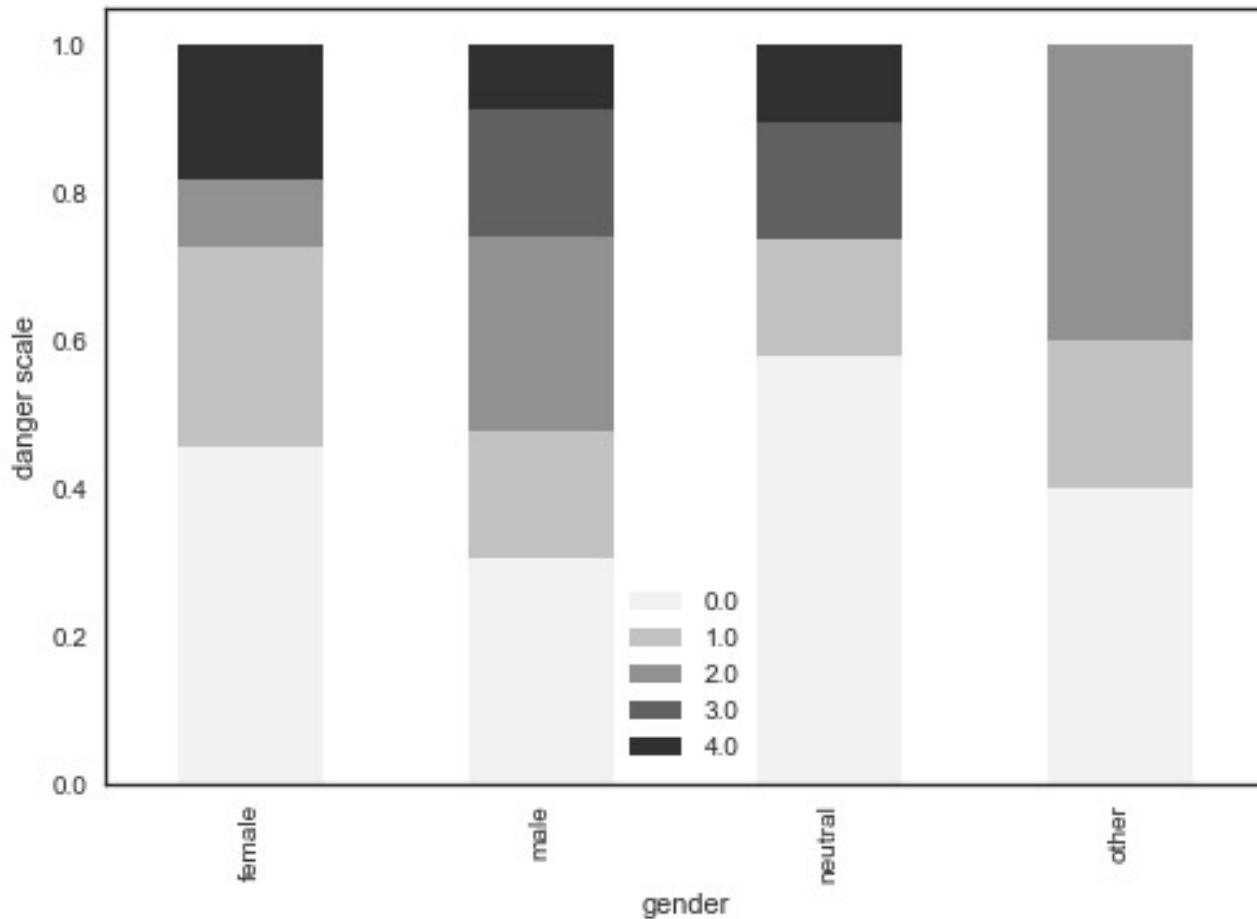


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MÄNNLICHE KIS
ERSCHEINEN
GENERELL
GEFÄHRLICHER

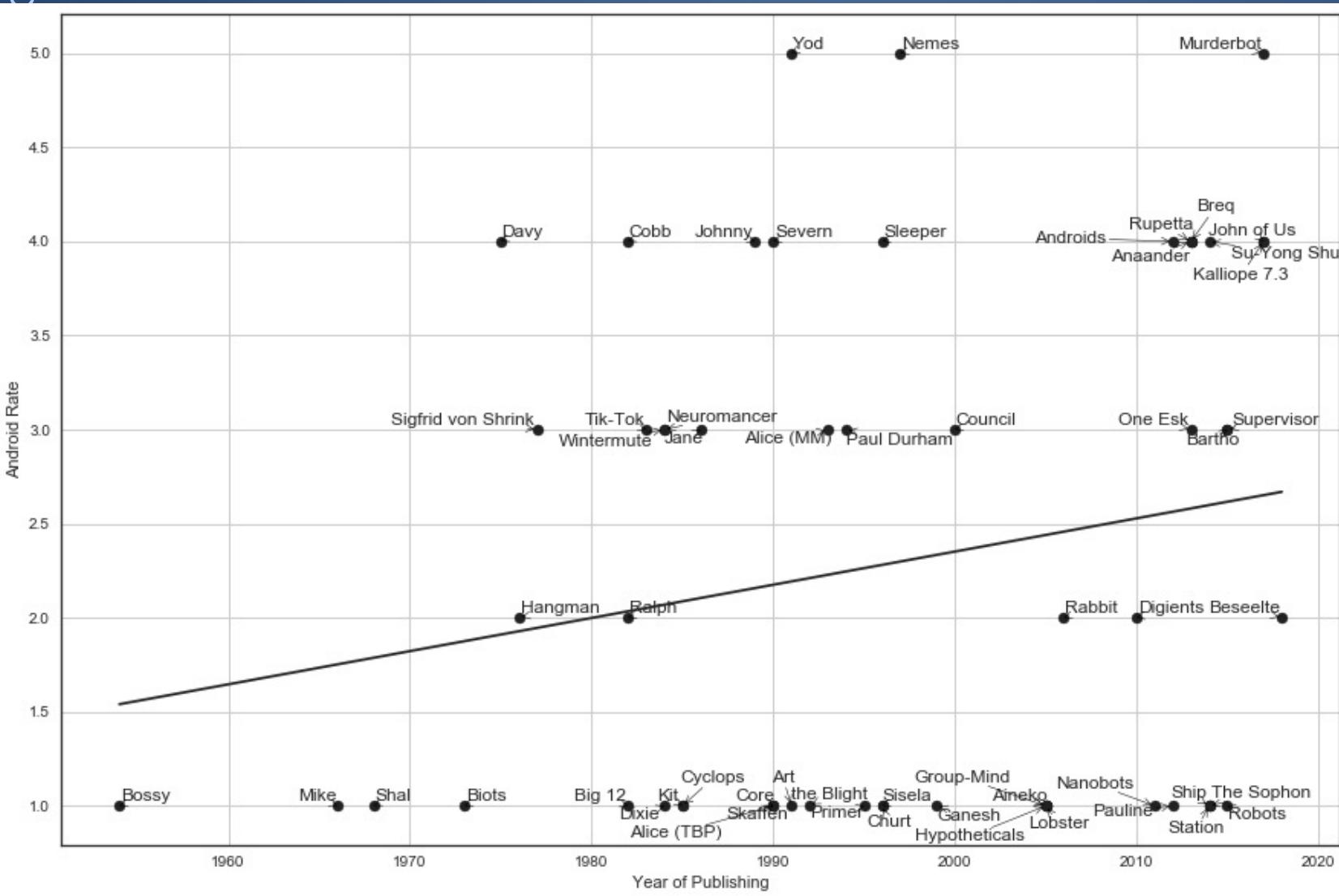


Ergebnisse

KIS WERDEN
MENSCHEN-
ÄHNLICHER
MIT DER ZEIT

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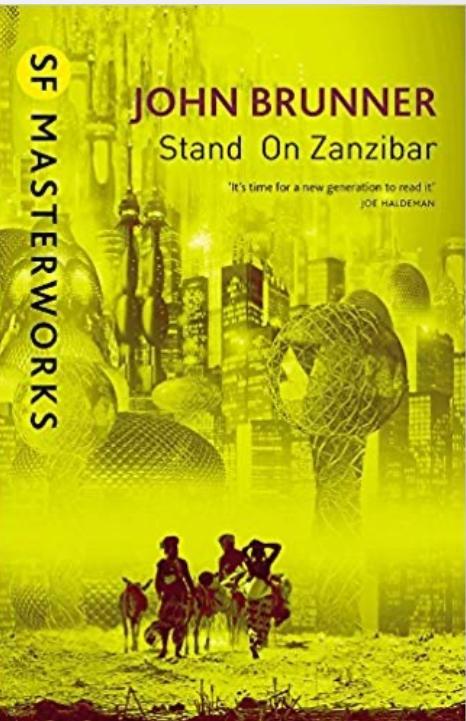


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JOHN BRUNNER: STAND ON ZANZIBAR



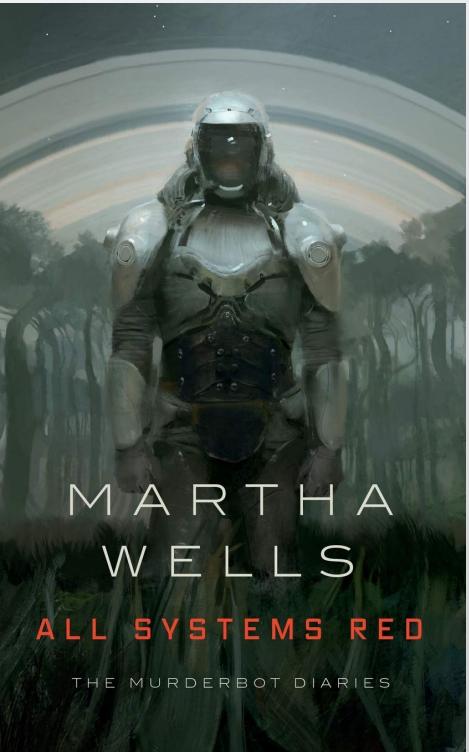
"Shalmaneser had already given them four possible reasons for my approaching them. This was the one he - I mean it – rated highest.“ [...]”

"You referred to Shalmaneser as 'he'," Chad said. "Why?"

"The people at GT do it all the time," Elihu muttered.

"Sounds as though he's becoming one of the family. [...]" (Brunner, 2013, p. 627)

MARTHA WELLS: ALL SYSTEMS RED



And I just thought, *That's a bad idea*. I couldn't explain to myself why. It was one of those impulses that comes from my organic parts that the governor is supposed to squash.
(Wells, 2017, p. 50)

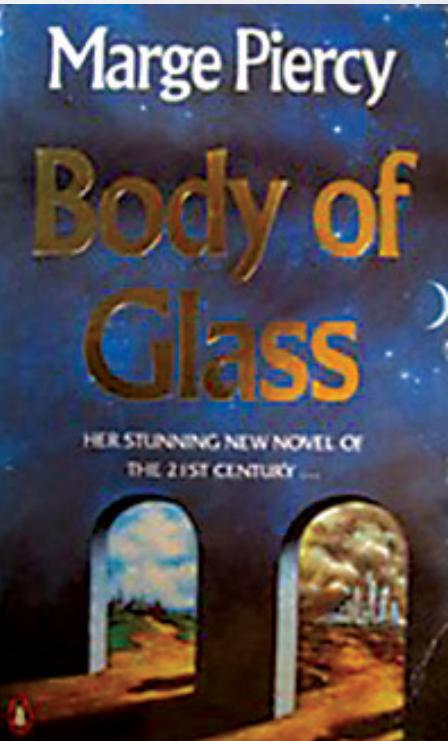
TED CHIANG: THE LIFECYCLE OF SOFTWARE OBJECTS



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[...] experience isn't merely the best teacher; it's the only teacher. If she's learned anything raising Jax, it's that there are no shortcuts; if you want to create the common sense that comes from twenty years of being in the world, you need to devote twenty years to the task. You can't assemble an equivalent collection of heuristics in less time; experience is algorithmically incompressible.
(Chiang, 2019, p. 163)

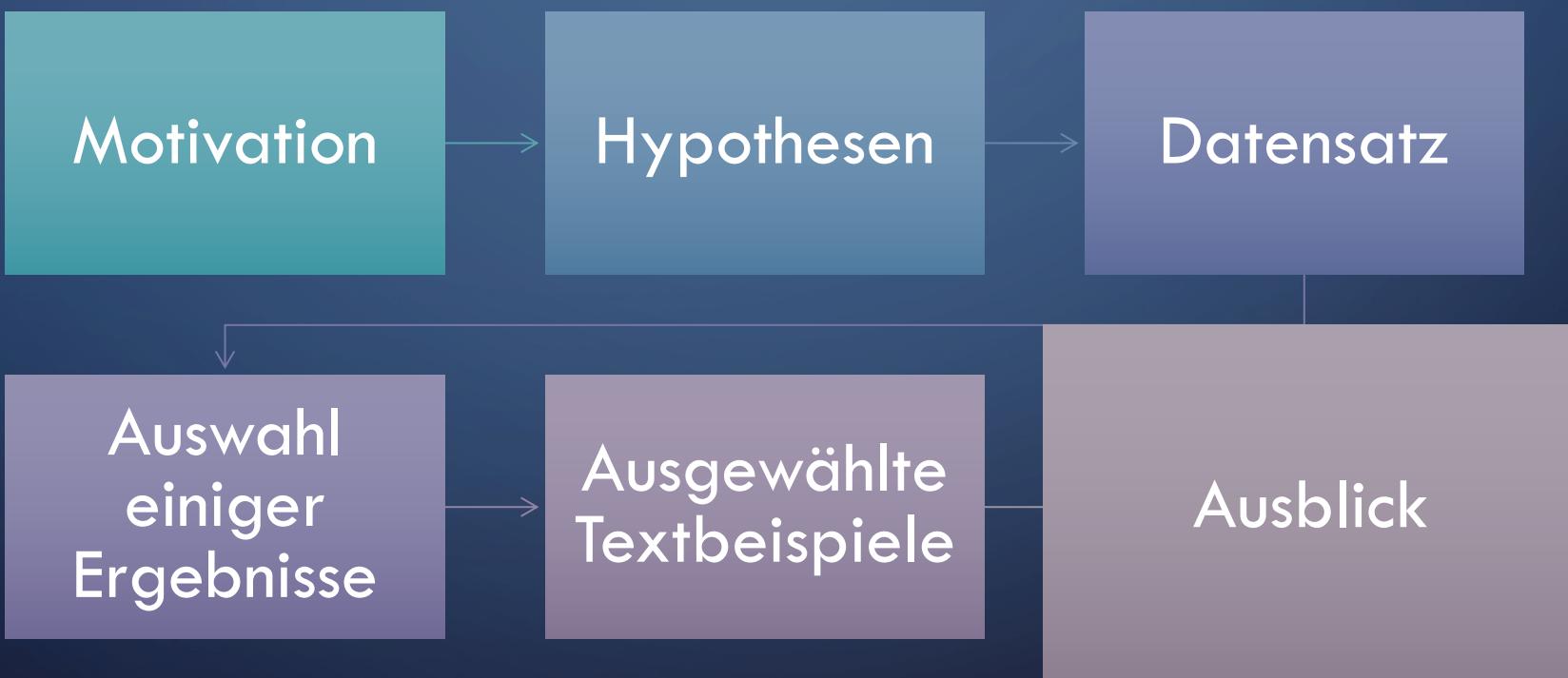
MARGE PIERCY: BODY OF GLASS



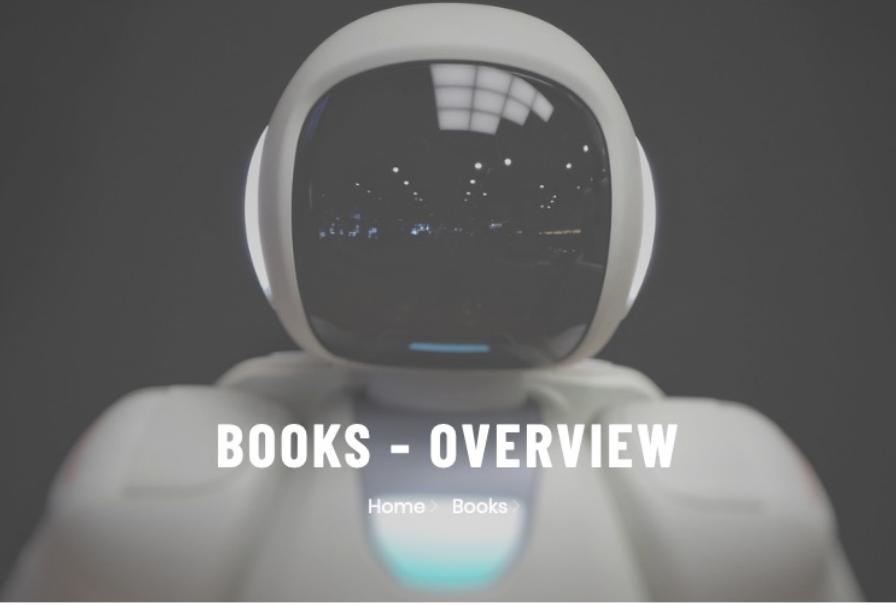
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"Look. Now, that's a rose." Yod strode toward it and reached out to examine a flower. Then with an exclamation it yanked its hand back. "It is armed." It seized the enormous old climbing rose and ripped it from the wall, trellis and staples and all, twisting it so that it uprooted. (Piercy, 2010, p. 256)

AGENDA



Ausblick



BOOKS - OVERVIEW

Home > Books >

List of Books

Books

1954 [They'd Rather Be Right](#), written by [Clifton, Mark; Riley, Frank](#);

1964 [Stand on Zanzibar](#), written by [Brunner, John](#);

1966 [The Moon Is a Harsh Mistress](#), written by [Heinlein, Robert A.](#);

1973 [Rendezvous with Rama](#), written by [Clarke, Arthur C.](#);

Book Information

This list provides an overview of all registered books – up until now. If you think one book is missing, request access to the administrator backend and register the book by yourself.

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NEUGIERIG GEWORDEN? WEITERLESEN!



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- fictional-ai-database.org
- [Polaris CCC Talk: „Are Machines Feminine?“](#)
- [Chatbot Research Social Cue Design KIT](#)
- [Mein Datensatz, Auswertung und Thesis auf Github](#)

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KONTAKT



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QUELLEN

- [1] Byron Reeves and Clifford Ivar Nass. 1996. *The media equation: how people treat computers, television, and new media like real people and places*. Cambridge University Press, Stanford, Calif.
- [2] Daniel J. Rea, Yan Wang, and James E. Young. 2015. Check your stereotypes at the door: An analysis of gender typecasts in social human-robot interaction. In Adriana Tapus, Elisabeth André, Jean-Claude Martin, François Ferland, and Mehdi Ammi, editors, *Social Robotics*, pages 554–563, Cham. Springer International Publishing.
- [3] Brian Attebery. 2002. *Decoding gender in science fiction*. Routledge, New York [u.a].
- [4] Wolfgang Ruge. 2012. *Roboter im Film audiovisuelle Artikulationen des Verhältnisses zwischen Mensch und Technik*. Magdeburger Schriftenreihe zur Medienbildung; 1. Ibidem-Verlag, Stuttgart.



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VIELEN DANK!

GIBT ES FRAGEN?