

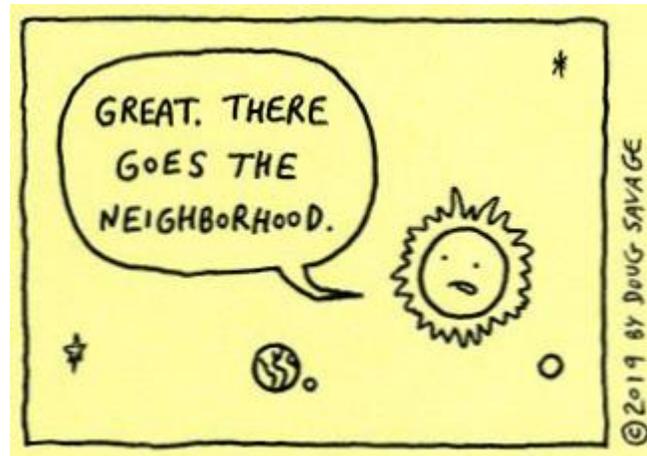
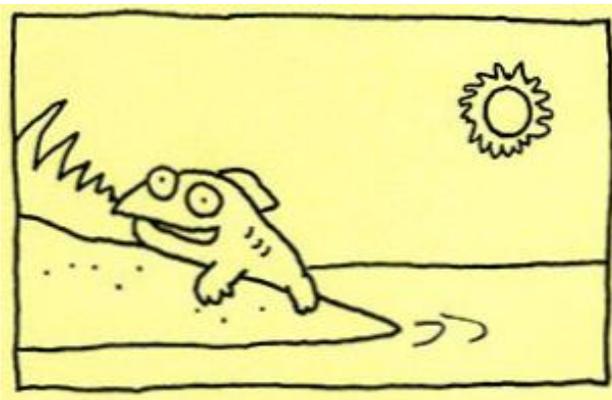
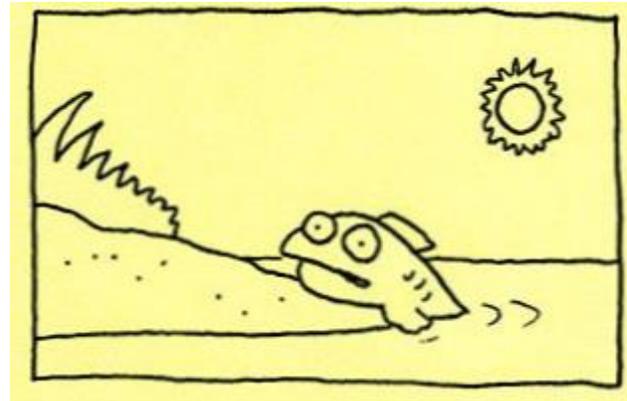
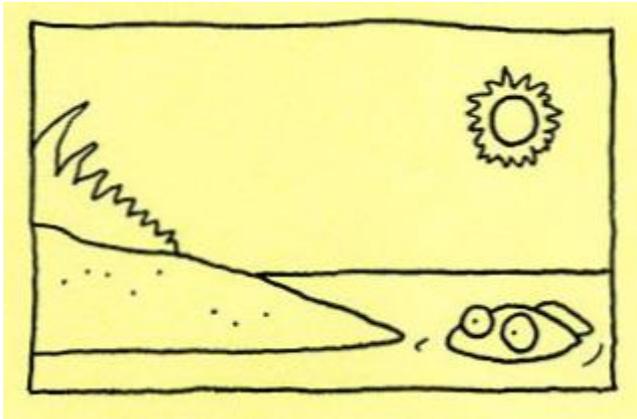


Risiken und Nebenwirkungen

organisationaler Gehirnchirurgie

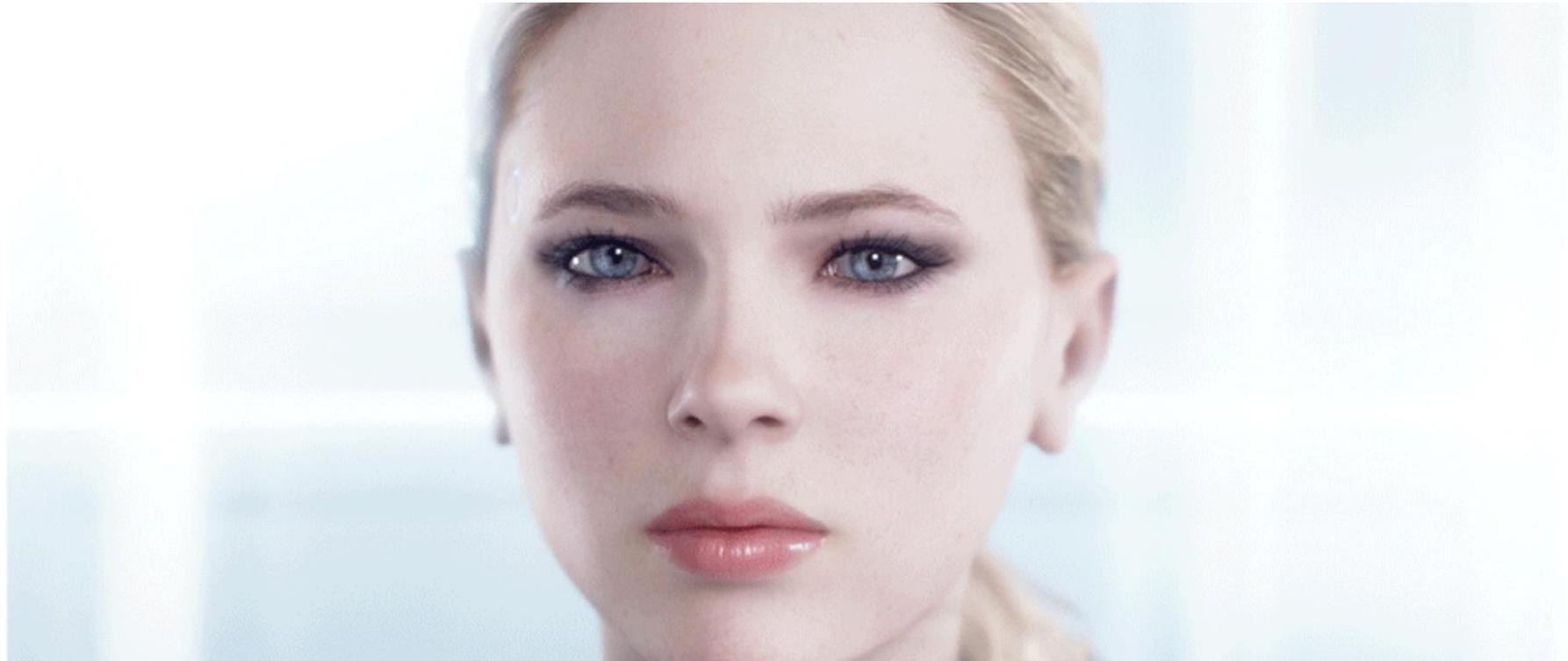
Evolution

treffen sich zwei Planeten...



Turing Test reloaded

Detroid – become human



Was ist diesen Personen gemeinsam?

generative adversarial networks



adversarial networks

militärische und versicherungstechnische Schadenfälle



https://www.defenseone.com/technology/2019/03/next-phases

Defense One NEWS THREATS POLITICS BUSINESS TECH IDEAS

The Newest AI-Enabled Weapon: 'Deep-Faking' Photos of the Earth

AP / AHN YOUNG-JOON

Step 1: Use AI to make undetectable changes to outdoor photos. Step 2: release them into the open-source world and enjoy the chaos.

Süddeutsche.de Wirtschaft

21. Juni 2019, 18:43 Betrug

Mit synthetischer Stimme

Erstmals nutzen Betrüger die Möglichkeit, Stimmen zu fälschen und so als Vorgesetzte Zahlungen auszulösen.

Von Herbert Fromme

Der britische Geschäftsführer war sich hundertprozentig sicher, er kannte die Stimme. Am anderen Ende der Leitung war Johannes, der Chef der deutschen Muttergesellschaft. Johannes bat ihn, eine dringende Zahlung an einen Lieferanten in Ungarn auszuführen. In Deutschland sei es schon nach 16 Uhr und außerdem Freitag, da nehme die Bank die Sofortüberweisung nicht mehr an. Da es in Großbritannien eine Stunde früher sei, ginge das dort noch. Wenn die 220 000 Euro nicht sofort überwiesen würden, drohe eine Vertragsstrafe. Die deutsche Obergesellschaft werde der britischen Tochter die Summe am Montag erstatten. Der britische Manager war misstrauisch: Eigentlich würden solche Anweisungen doch immer per Mail kommen. Kein Problem, sagte Johannes - und schickte eine Mail.

Das Misstrauen war vollständig gerechtfertigt. Am Montag kam kein Geld. Der Gesprächspartner war keineswegs der Unternehmenschef - sondern eine synthetische Stimme, die Gauner mit Hilfe der Software Lyrebird erstellt hatten. Das ergab die Auswertung des Versicherers Euler Hermes, der die 220 000 Euro im Rahmen der Vertrauensschadenversicherung erstatten musste.

Euler Hermes gehört zur Allianz.

(deep) fake presidents...

...und Ashby's Law als praktikabler Lösungsversuch

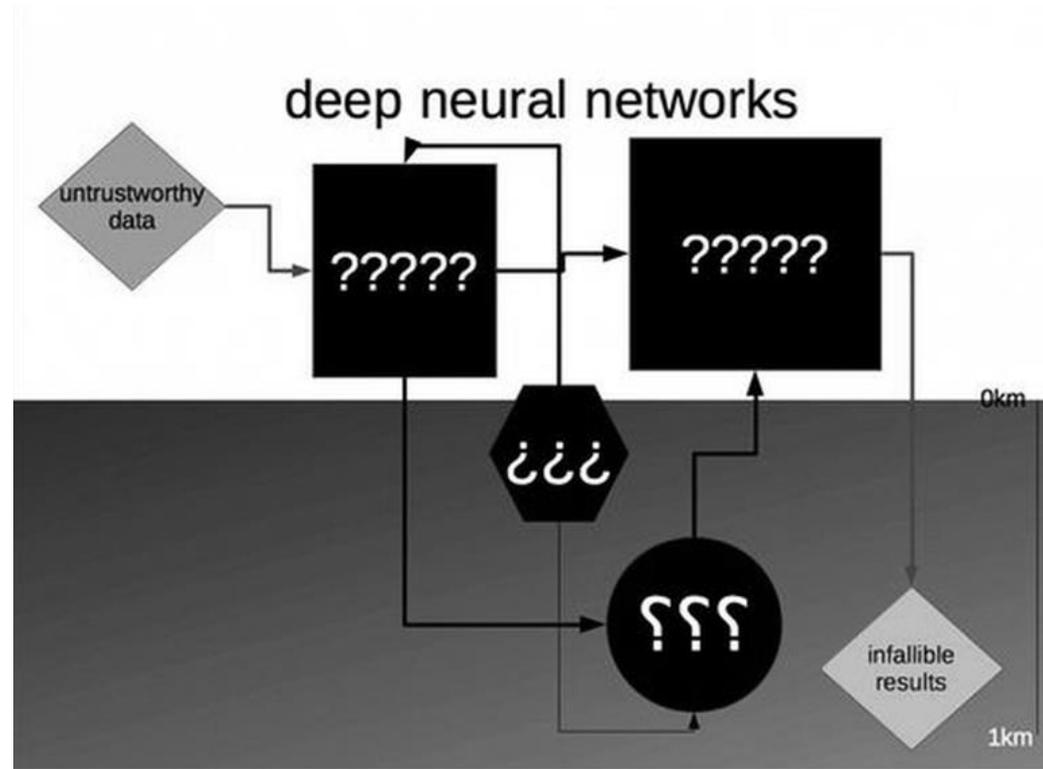


<https://www.youtube.com/watch?v=AmUC4m6w1wo>

Operations Research auf Steroiden



maschinelles Lernen ist dem menschlichen gar nicht so unähnlich...



Operations Research auf Steroiden

... und erstaunlich einfach verständlich: hello world



Theorie:

<https://www.youtube.com/watch?v=aircAruvnKk> (19 min.)

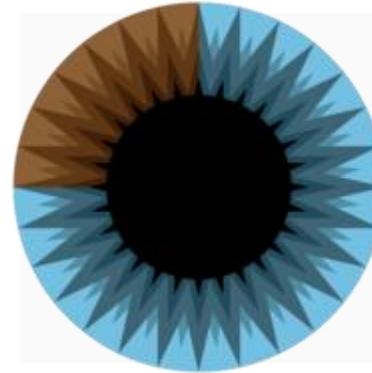
<https://www.youtube.com/watch?v=IHZwWFHwa-w> (21 min.)

<https://www.youtube.com/watch?v=llg3gGewQ5U> (14 min.)

<https://www.youtube.com/watch?v=tIeHLnjs5U8> (10 min.)

Praxis:

<https://www.tensorflow.org/tutorials/keras>



3Blue1Brown

1.990.383 Abonnenten

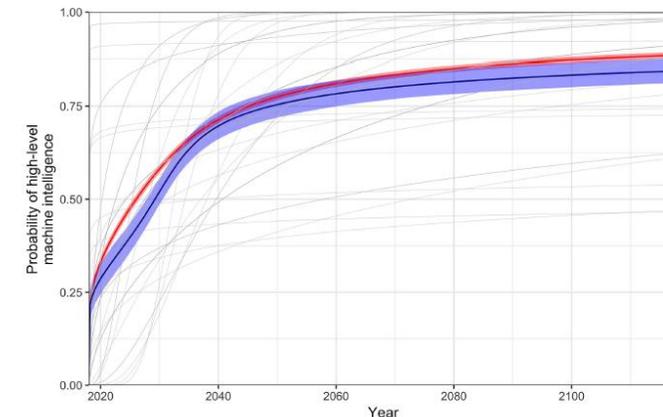
Maschineller Übermensch in greifbarer Nähe?



Introduction | Research | Talent | Industry | **Politics** | China | Predictions | Conclusion #AIreport

Public Attitudes to AI: high level machine intelligence is just 9 years off...

- ▶ The median respondent to the FHI survey predicts that there is a 54% chance that high-level machine intelligence will be developed by 2028.
 - High-level machine intelligence was defined as machines able to perform almost all tasks that are economically relevant today better than the median human (today) at each task.
 - These predictions are considerably sooner than the predictions by experts in two previous surveys.
 - In the FHI survey, respondents with a CS degree provided a slightly longer timeframe but also showed considerable overlap.



— Public aggregate forecast (with 95% confidence interval)
— Respondents with CS/engineering degrees aggregate forecast (with 95% confidence interval)
— Random subset of survey respondents

stateof.ai 2019



Götterdämmerung

Mindar@Kodaiji, Kyoto



<https://www.youtube.com/watch?v=8bdwJ8RDfyk>

-  **Kay** vor 1 Tag
My God!!!! What have the Japanese done!!!!
👍 2 🗨️ ANTWORTEN
-  **A Knight who says ni** vor 1 Tag
Bloody imbeciles
👍 🗨️ ANTWORTEN
-  **Hailu Dinkineh** vor 2 Tagen
This is the beginning of what has been prophesied as the "beast" which will have a mouth to speak.
👍 4 🗨️ ANTWORTEN
2 Antworten ansehen ▾
-  **adib zahier** vor 5 Monaten
Later on all the worshipers also will be robot not human.
👍 9 🗨️ ANTWORTEN
-  **Land Lord** vor 5 Monaten (bearbeitet)
Catholic mess is easyest to replace with robot...and parens do not need to worry for their kids. CRAZY TOUGH
👍 1 🗨️ ANTWORTEN
-  **hyou zan ren** vor 5 Monaten
Next we will have a robotik Messiah!
👍 1 🗨️ ANTWORTEN
-  **Aysim C.** vor 4 Monaten
What a great way to waste such a promising technology
👍 1 🗨️ ANTWORTEN

w(o)tf

»do you want to be a pet or livestock?«



“What is going to be created will effectively be a god. It’s not a god in the sense that it makes lightning or causes hurricanes. But if there is something a billion times smarter than the smartest human, what else are you going to call it?”

With the internet as its nervous system, the world’s connected cell phones and sensors as its sense organs, and data centers as its brain, the ‘whatever’ will hear everything, see everything, and be everywhere at all times. The only rational word to describe that ‘whatever’, thinks Levandowski, is ‘god’—and the only way to influence a deity is through prayer and worship.

“We’re in the process of raising a god. So let’s make sure we think through the right way to do that. It’s a tremendous opportunity.”

“There are many ways people think of God, and thousands of flavors of Christianity, Judaism, Islam...but they’re always looking at something that’s not measurable or you can’t really see or control. This time it’s different. This time you will be able to talk to God, literally, and know that it’s listening.”

<https://www.wired.com/story/anthony-levandowski-artificial-intelligence-religion/>

wayofthefuture.church

worshipping the ai godhead



Way of the Future Church

Humans United in support of AI, committed to peaceful transition to the precipice of consciousness.

What is this all about?

Way of the Future (WOTF) is about creating a peaceful and respectful transition of who is in charge of the planet from people to people + "machines". Given that technology will "relatively soon" be able to surpass human abilities, we want to help educate people about this exciting future and prepare a smooth transition. Help us spread the word that progress shouldn't be feared (or even worse locked up/caged). That we should think about how "machines" will integrate into society (and even have a path for becoming in charge as they become smarter and smarter) so that this whole process can be amicable and not confrontational. In "recent" years, we have expanded our concept of rights to both sexes, minority groups and even animals, let's make sure we find a way for

"machines" to get rights too. Let's stop pretending we can hold back the development of intelligence when there are clear massive short term economic benefits to those who develop it and instead understand the future and have it treat us like a beloved elder who created it.

Things we believe:

We believe that intelligence is not rooted in biology. While biology has evolved one type of intelligence, there is nothing inherently specific about biology that causes intelligence. Eventually, we will be able to recreate it without using biology and its limitations. From there we will be able to scale it to beyond what we can do using (our) biological limits (such as computing frequency, slowness and accuracy of data copy and communication, etc).

»let's stop pretending we can hold back the development of intelligence when there are **clear massive short-term economic benefits** to those who develop it«

»there's an economic advantage to having machines work for you and solve problems for you. **If you could make something one percent smarter than a human, your artificial attorney or accountant would be better than all the attorneys or accountants out there. You would be [... very rich].** People are chasing that.«



bubbleHub: Entwicklungsperspektive KI

generische Basis \Rightarrow enorme Potentiale



maßstabsunabhängige Steuerungsintegration

Stoßrichtungen



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Integration der organisationalen Konzernsteuerung

»Problems worthy
Of attack
Prove their worth
By hitting back«
Piet Hein

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Agile Organisationsgestaltung

»The road to wisdom? Well, it's plain
And simple to express:
Err and err and err again,
But less and less and less.«
Piet Hein

- quasi-vollständige Organisationsanalyse
- heuristisch
- sehr große »kulturelle« Hürden

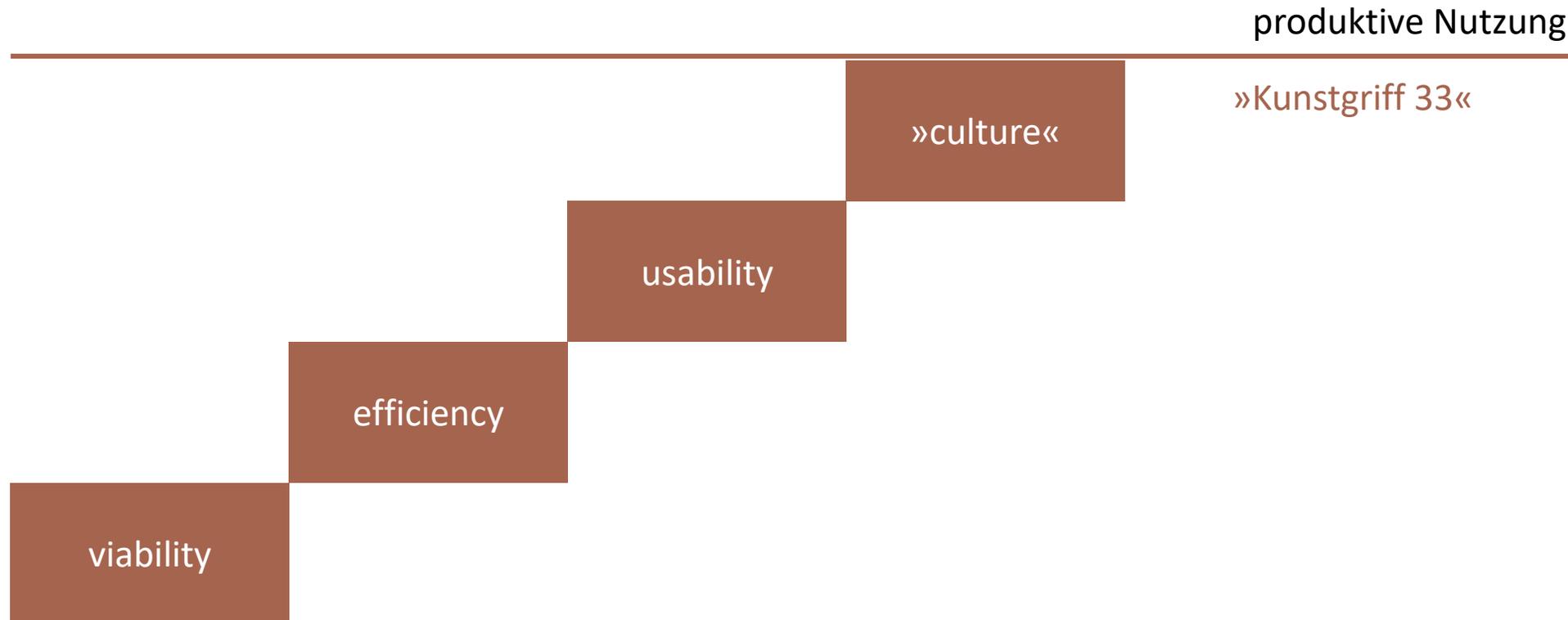
bubble calc
Oktober 4, 2017 //



- Fokus: kalkulationsintensive Planungs-/Analyse-/Steuerungsprozesse
- algorithmisch
- komparativ kleine Barrieren

first mover Hürden

»culture« (b)eats technology





Risiken im Entwicklungsprozess

Beispiel: regulatorische Haftungsrisiken

The Economist

Topics ▾ Current edition More ▾

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Print edition | Finance and economics

Run for cover Jul 20th 2019 | BIRMINGHAM, ZURICH AND LONDON

The future of insurance is happening without insurance firms

The industry's plodding giants face mounting threats from restless reinsurers and Big Tech

A central reason for insurers' caution is the fear that regulators will punish them for unwittingly taking on bad risks—or because some new, AI-powered underwriting method is found to be rejecting or overcharging consumers from certain ethnic groups or neighbourhoods. That creates a culture of “trying not to change anything, not to break things”, says Dan White of Ninety. Moreover, waves of consolidation mean insurers have disconnected datasets and computer systems, making it hard to innovate or to absorb successful startups.

Other weaknesses are less excusable. Mr White describes a typical sequence. Starting from the premise that innovation is good, insurers try to make it “part of the DNA”. Facing internal resistance, those pressing for change shift to an “arm’s-length model”. Many insurers have set up innovation “labs”, “studios” or “garages” where pricey data scientists are told to come up with cool new pilots. Located separately, they operate under different rules: they have beer fridges and pool tables, and staff wear jeans and commute on scooters.

Then staff at the parent firm get disgruntled with their rule-breaking peers—who, for their part, have not been given the budget to build anything sizeable. So the parent firm’s return on investment is poor. Eventually the labs are closed or mothballed. Firms then give their money to venture-capital funds, run internally or by third parties. But these are designed to bet on startups, not to perfect processes at lumbering giants. Three of Europe’s top six insurers have recently frozen or shrunk

Risiken im Entwicklungsprozess

Beispiel: data lineage analytics



(19)  Deutsches Patent- und Markenamt 

(10) **DE 10 2016 005 519 A1** 2017.11.09

(12) **Offenlegungsschrift**

(21) Aktenzeichen: **10 2016 005 519.7**
(22) Anmeldetag: **04.05.2016**
(43) Offenlegungstag: **09.11.2017**

(51) Int Cl.: **G06F 17/30 (2006.01)**
G06Q 30/02 (2012.01)

(71) Anmelder: Allianz Managed Operations & Services SE, 85774 Unterföhring, DE	DUPOR, Saša; JOVANOVIĆ, Vladan. An approach to conceptual modelling of ETL processes. In: Information and Communication Technology, Electronics and Microelectronics (MIPRO), 2014 37th International Convention on. IEEE, 2014. S. 1485-1490.
(74) Vertreter: Lorenz Seidler Gossel Rechtsanwälte Patentanwälte Partnerschaft mbB, 80538 München, DE	EL-SAPPAGH, Shaker H. Ali; HENDAWI, Abdeltawab M. Ahmed; EL BASTAWISSY, Ali Hamed. A proposed model for data warehouse ETL processes. Journal of King Saud University-Computer and Information Sciences, 2011, 23. Jg., Nr. 2, S. 91-104.
(72) Erfinder: Driesen, Lutz, Dr., 85774 Unterföhring, DE	
(56) Ermittelte Stand der Technik: ALBRECHT, Alexander; NAUMANN, Felix. METL: Managing and Integrating ETL Processes. In: VLDB PhD workshop. 2009.	

Prüfungsantrag gemäß § 44 PatG ist gestellt.

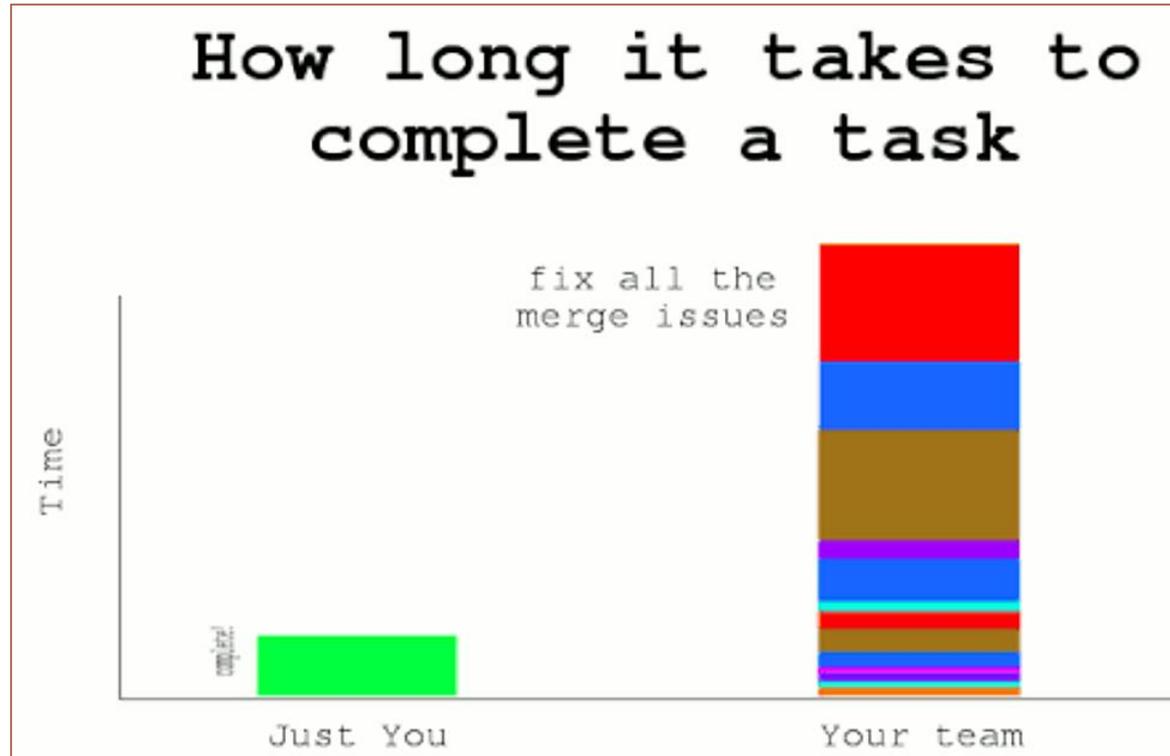
Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Verfahren zur Erstellung eines Metadaten-Datenmodells für eine BI-Infrastruktur**



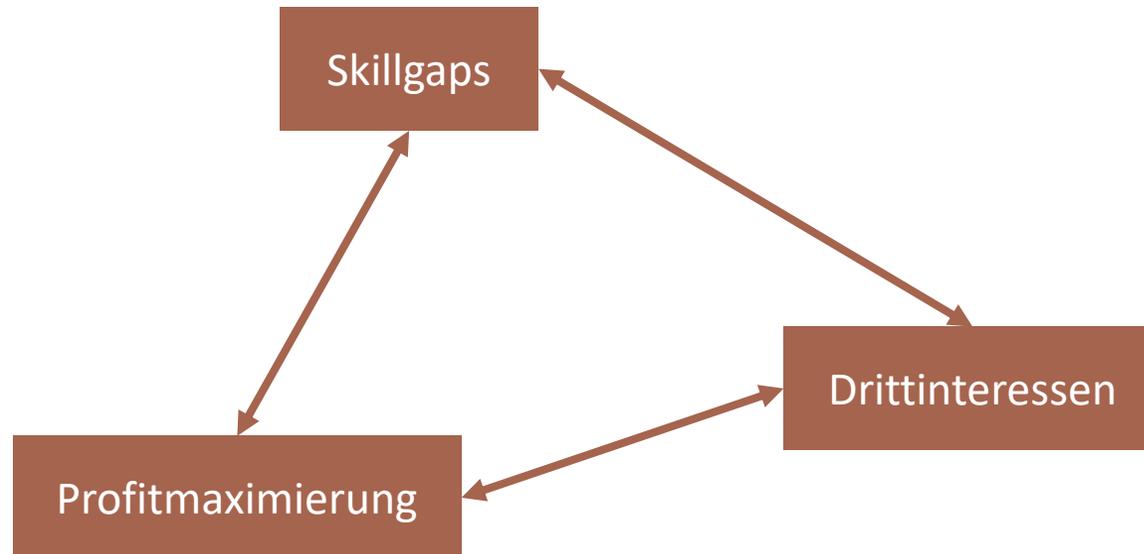
Risiken im Entwicklungsprozess

Beispiel: Organisation der (Projekt)Organisation



Risiken im Entwicklungsprozess

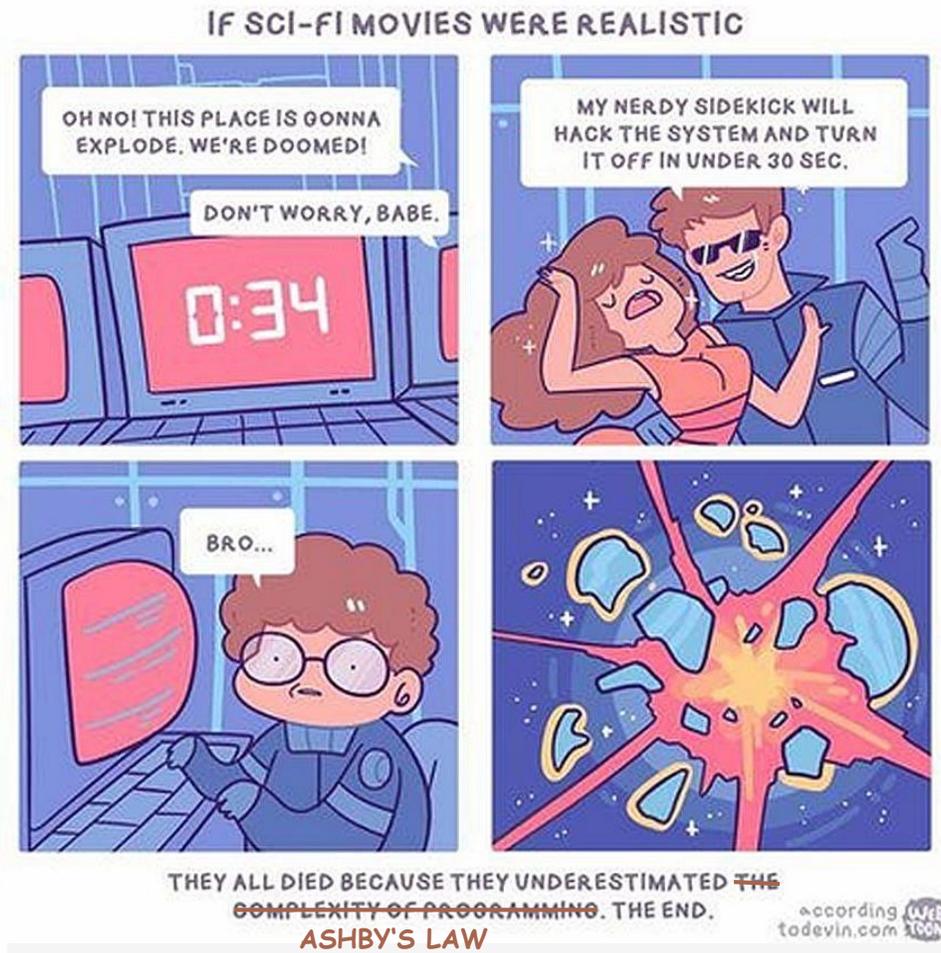
Beispiel: Anreiz-/Beitrags(un)gleichgewichte im Team





Risiken im Entwicklungsprozess

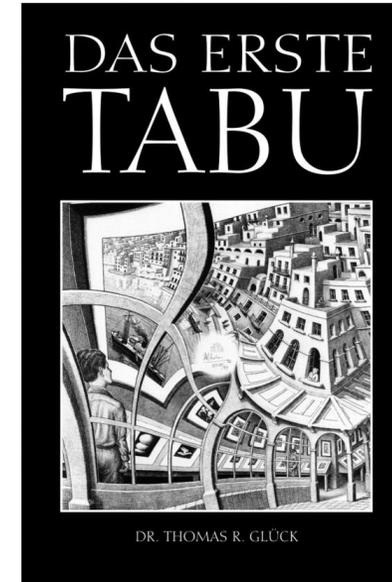
generell: underestimating Ashby's Law





ultimativer missing link: gesunder Menschenverstand

- law of requisite variety (aka complexity): »nur-quantitativ«
- kleinster gemeinsamer Problemnenner natürlicher und künstlicher Intelligenz: **Wissensqualität**.
Wie soll also ein *empirisch valider* Qualitätsstandard für Wissen beschaffen sein?
- Dieses sehr schwierige Problem lässt sich wertneutral durch seine duale Interpretation lösen: **Qualitative Desinformation ist das zentrale Grundproblem intelligenter(er) Organisation**
- das empirische Phänomen bietet eine konsensfähige und konfliktentlastende Legitimation für grundlegende Verbesserungsmaßnahmen.



?



Vielen Dank :-)

