

JAAI JUST ADD AI

# UNLOCK HUMAN TALENT



JAAI develops **AI solutions** and builds **AI products**.

Our mission: **Unlock Human Talent**.

We automate repetitive and time-consuming tasks by applying the **latest AI technology** in the real world. Our team consists of **world-class specialists** in language processing, computer vision, big data and robotics and experienced IT managers and software architects.

Our focus is on developing **scalable AI** solutions that can be productized. When these products have enough initial traction we spin them out into separate companies and scale them up with dedicated teams, strategic partners and investors.



Founded in 2017, profitable, currently no investors



~ 5,5 MEUR group turnover in 2022, ~ 2 MEUR group EBITDA



51 employees in total



4 successful spin-offs,



Winner of the Bremer Gründungspreis 2020

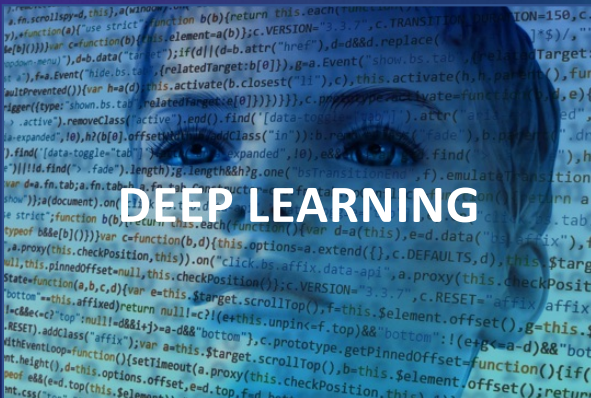
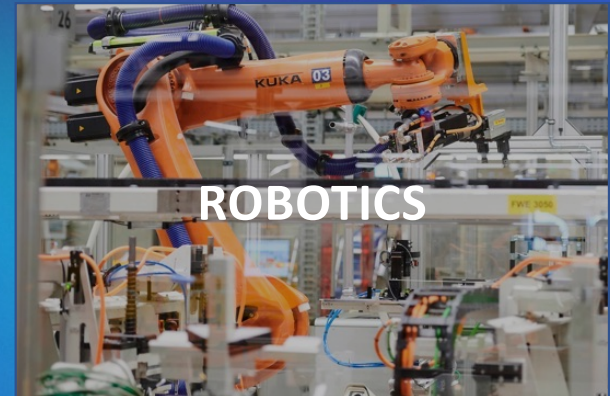
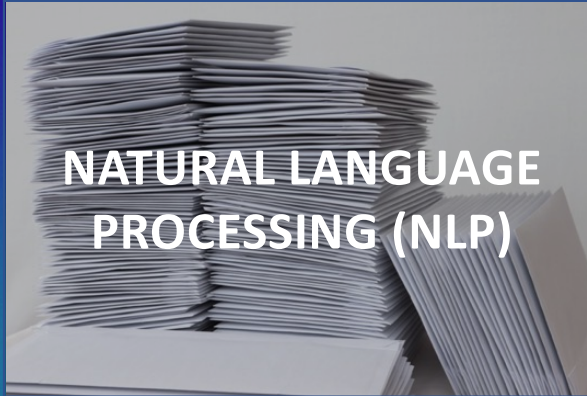


500+ applicants per year, cherry-picking of top talents



Management team has 40+ years of experience in tech and business

# WE DELIVER EXCELLENCE IN APPLIED AI



# AKTUELLE PROJEKTE



Internationale Raumstation ISS  
Anomalie-Detection & Solution



KI-Kalibrierung von  
medizinischen Spektrometern



Assistenzsystem für Straßenbahn  
Retrofit-Lösung

# Solution Portfolio

<https://justadd.ai>



GERMAN AUTOMOTIVE CORPORATION

## Controlling KUKA Robots With Artificial Intelligence

COMPUTER VISION // DEEP LEARNING

For a large car manufacturer, we developed an AI-based camera system that enables KUKA robots to locate their target much more precisely and reliably than with the rule-based methods of edge and corner detection that were used previously.



GERMAN AUTOMOTIVE SUPPLIER

## Visual Quality Inspection of Injection Moulding Parts

COMPUTER VISION // DEEP LEARNING

Until now, the quality assurance of complex 3D injection molded parts could only be performed reliably by humans. We have developed a generic camera system for this purpose, which analyses the parts from all sides in free fall and reliably detects anomalies using modern deep learning methods.



AGRAVIS

## Automated Email Routing

NLP // DEEP LEARNING

For the automation of an IT helpdesk we have developed a NLP system that reliably classifies emails despite signatures, disclaimers, attachments, forwarded emails etc. After the successful classification, the requests can be further processed with RPA.



botario

## Chatbot Management Platform for Rasa

NLP // ASR // TTS // DEEP LEARNING

botario is the chatbot management platform for Rasa, including live chat and telephone components. With botario virtual assistants can be created, managed and optimized efficiently. The platform is role-based for interdepartmental collaboration and shows each user only the content appropriate for his or her skill level.

LEARN MORE



itsc. Die Lösung zählt

## Customer Service Chatbot for Health Insurances

NLP // ASR // TTS // DEEP LEARNING

Together with more than 9 health insurance companies and the itsc, JUST ADD AI successfully automates customer service with the botario platform. Depending on the insurance company, up to 70% of the inquiries are answered automatically. As a fall-back system for the remaining inquiries, the live chat component of botario or the company's own live chat systems are used.



MUNICIPAL TRANSPORT PROVIDER

## Prototype for Self-Driving Tram (Retrofit)

COMPUTER VISION // DEEP LEARNING

Current streetcars usually do not even have collision warning or prevention systems, and self-driving streetcars seem to be a long way off in many places, as existing trains are expected to be used for decades to come. For a streetcar operator, JAAI has therefore developed the prototype of a retrofit system that enables level 2-3 autonomy for existing trains.



DOCUMENT CLASSIFICATION & DATA EXTRACTION

## Auto-Classification of Documents and Data Extraction With AI

NLP // COMPUTER VISION // DEEP LEARNING

With a combination of deep learning methods from computer vision and NLP, we successfully classify the entire daily mail of several health insurance companies into complex category systems with our DMS system. In addition, any data points such as insurance number, names, addresses, IBANs, etc. can also be extracted from semi-structured or unstructured documents and further processed with RPA.

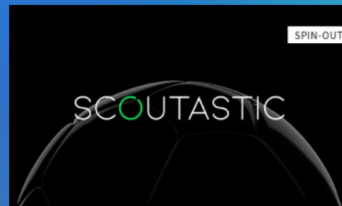


REMONDIS IM AUFTRAG DER ZUKUNFT

## HR Chatbot for Truck Drivers

CONVERSATIONAL AI // NLP // CHATBOT

Based on our botario platform, we have implemented an intelligent chatbot for REMONDIS which enables professional drivers to apply for jobs on a landing page easily. Within 6 months after introducing it, a four-figure number of applications had already been generated via the chatbot. The number of all applications generated via the landing page nearly tripled after the implementation.



SCOUTASTIC

## AI Based Soccer Scouting

NLP // COMPUTER VISION // DEEP LEARNING

SCOUTASTIC is the intelligent platform to centrally plan and manage all scouting activities. Scouting reports are analysed with artificial intelligence and combined exclusively with all player data from transfermarkt.de. Data from any other sources are aggregated and evaluated in SCOUTASTIC centrally.

LEARN MORE

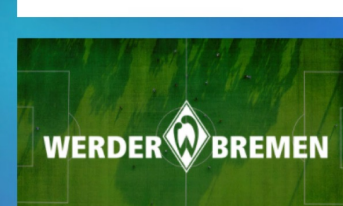


GERMAN MOBILE NETWORK PROVIDER

## Analysis of Recorded Customer Service Calls With AI

NLP // ASR // DEEP LEARNING

For an MVNO, we developed an AI system to evaluate the recorded customer service calls. With this system the content and topics of the calls become visible, the calls can be segmented (e.g. confirmation of terms and conditions, duration of authentication etc.), escalations and also call center fraud can be made visible.



WERDER BREMEN

## Soccer Video Analysis With AI

COMPUTER VISION // DEEP LEARNING

Together with a Bundesliga club, we are developing AI methods for the automatic extraction of information from football videos as part of two master's theses. This includes the recognition of ball actions, player speed and the tracking of players and ball.



INTERNATIONAL SECURITY CORPORATION

## Automated Analysis of Security Camera Videos

COMPUTER VISION // DEEP LEARNING

False alarms from surveillance cameras can act like a DoS attack on the alarm control centers under certain weather conditions. Together with the Securitas Group and WSH, we have developed an AI system that recognizes real alarms even in cases where criminals are only visible as a shadowy movement, and sorts out false alarms automatically to a very large extent.

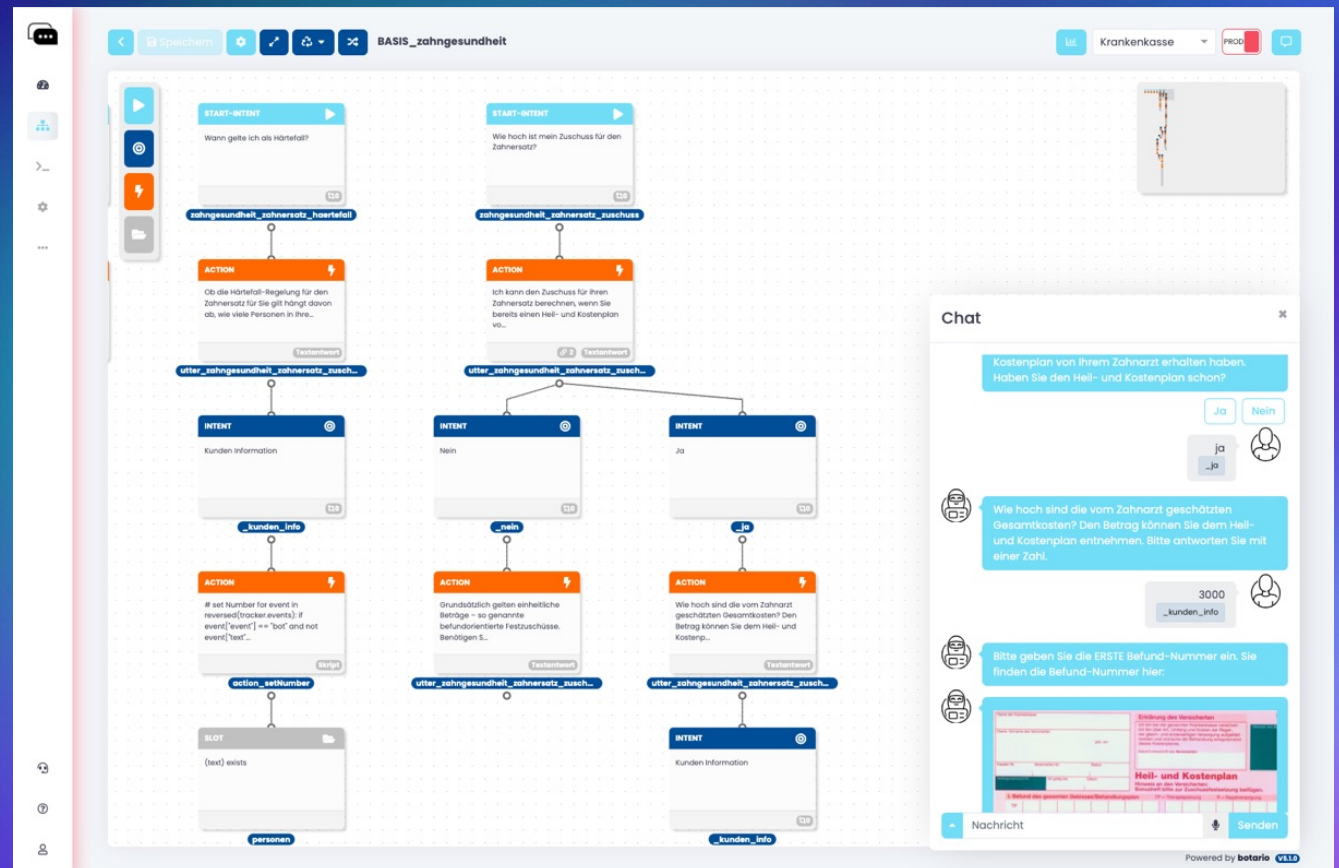
# CONVERSATIONAL AI, NLP, VOICE



## Conversational AI Plattform

botario GmbH // <https://botario.com>

botario is the chatbot management platform for Rasa, way better than the Rasa platform itself, and also includes live (video) chat and telephone modules. botario can be used to create intelligent virtual assistants, and to manage and optimize them efficiently. botario is used at scale by 20+ public health insurances, and clients like EWE, swb, CEWE Pfalzwerke, KVBW and Hermes Austria amongst others.



# SCOUTASTIC

## AI-based Sports Scouting

SCOUTASTIC GmbH // <https://scoutastic.com>

SCOUTASTIC is the intelligent platform to plan and manage all scouting activities in one place. Scouting reports and performance data are analysed with AI and combined exclusively with the market values and all player data from transfermarkt.de. Data from other sources can be integrated, aggregated and jointly evaluated. Clients include several Top Teams from the Premier League and the Bundesliga, 20 clients in total.

SCOUTASTIC is a Joint-Venture with transfermarkt.

JAAI JUST ADD AI

The screenshot displays the SCOUTASTIC web interface for player Toni Kroos. The interface is organized into several sections:

- Header:** Player name 'Toni Kroos', position 'Zentrales Mittelfeld', and club 'Real Madrid'.
- Leistungsdaten (Performance Data):** A table showing statistics across different competitions.
 

Wettbewerb	Spiele	Vorlage	Tore	Min.
Copa del Rey	2	2	0	187'
UEFA Champions League	5	2	1	450'
Liga	24	5	3	1879'
Supercopa	2	0	1	153'
<b>Total</b>	<b>33</b>	<b>9</b>	<b>5</b>	<b>2672'</b>
- Berichtsanalyse (Report Analysis):** A horizontal bar chart comparing various attributes like 'POTENTIAL (8/10)', 'ALLGEMEIN (8/7)', 'ANTWERT (8/1)', etc., with red and green bars.
- IMPECT (IMPACT):** A radar chart showing 'Tore pro Spiel' (100%), 'Assists pro Spiel', 'Torgefahr intieren (mit Ball)', and 'Torgefahr - Gegner ein (ohne Torchuss)'.
- Zusätzliche Informationen (Additional Information):** 'Berichts-Statistik' showing 33 reports and 'Transfermarkt.de' data including a market value of 48,000,000 € and agent SportsTotal.
- Merklisen (Favorites):** A list of saved players, including 'Gerardone (ZM)' and 'ZM'.
- Neuigkeiten (News):** A news snippet titled 'Werder warb um Kroos: „War früh Bayern versprochen“ - Lukaku wollte gern zum VfL'.

# NLP, COMPUTER VISION, BIG DATA



## Intelligent Document Management

lector.ai GmbH // <https://lector.ai> (founded in July 21)

With a combination of deep learning methods from computer vision and NLP, the platform already classifies the entire daily mail of 19 public health insurance companies successfully into complex category systems. lector.ai also extracts data points such as insurance number, names, addresses, IBANs, etc. not only from structured but also from semi-structured or unstructured documents and further processes these with RPA. Additional clients include large logistics, telecommunications, fintech and industrial companies.

The screenshot displays the lector.ai web interface. On the left is a navigation sidebar with categories like 'Extraktion', 'Trainingsdokumente', 'Administration', 'Prozesse', 'Feldtypen', 'Benutzer', 'Organisationen', 'Hochgeladene Dateien', 'Funktionen (faas)', 'Logs', 'Statistik', 'Statistik', 'Noros', 'Overview', 'Jobs', 'Logs', and 'Pipeline-Übersicht'. The main area shows a document titled 'Beratungseinsatz' with various data fields extracted from it:

- Rechnungs-Nummer: 3120000545
- Rechnungs-Datum: 28.02.2020
- Rechnungs-Betrag: 52,56
- IK Nummer: 461101413
- IBAN: DE41 1002 0500 0003 249307

Below these fields is a 'Beratungseinsatz Protokoll' section with several points for classification:

- Punkt 3 (Wichtig): Ja (checked)
- Punkt 3 (Wichtig): Nein
- Punkt 4: Nein (checked)
- Punkt 4: Ja
- Punkt 5

On the right, a preview of the document is shown, including a barcode and a stamp that reads 'EINGANG 16 03. MRZ. 2020 BKK VBU'. A table of 'Leistungsempfänger' is visible:

Anzahl	Einsätze	Leistung	Einzelpreis	Gesamtpreis
1		Pflegeinsatz nach §37,3 SGB XI	52,56 €	52,56 €
			<b>Gesamtbetrag</b>	<b>52,56 €</b>

At the bottom of the interface, there are additional document pages and a footer with the text 'BKK VBU 03.03.2020 252218'.



# QBITFLOW

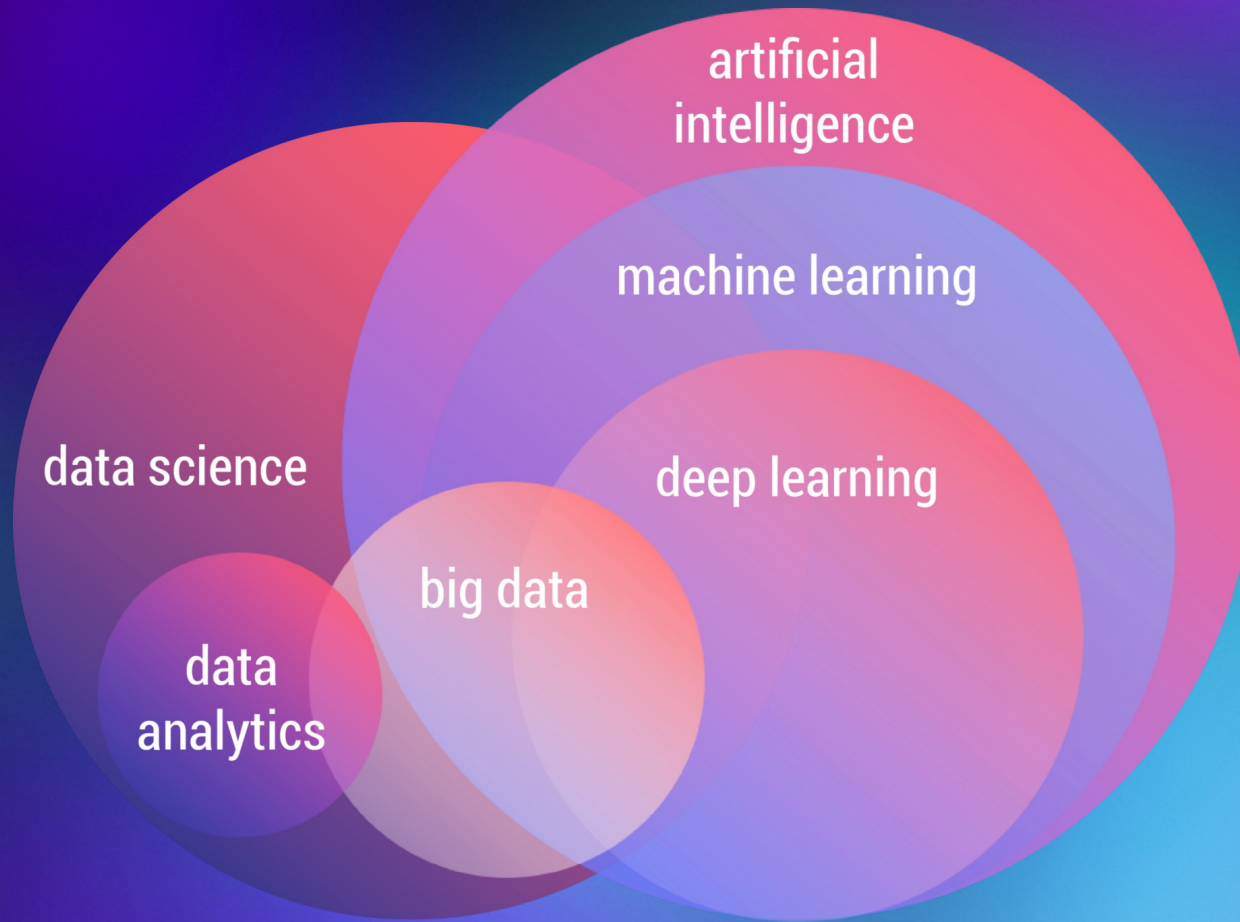
Quantum Enabling Technology  
Quantum Algorithms  
Quantum Computing Software & Tools  
Quantum Sensors  
Educational Programs



THINK  
REACTOR

<https://thinkreactor.com>

				AUDIO now	TUNE IN
	STITCHER		deezer	Spotify	



# Regeln vs. Beispiele



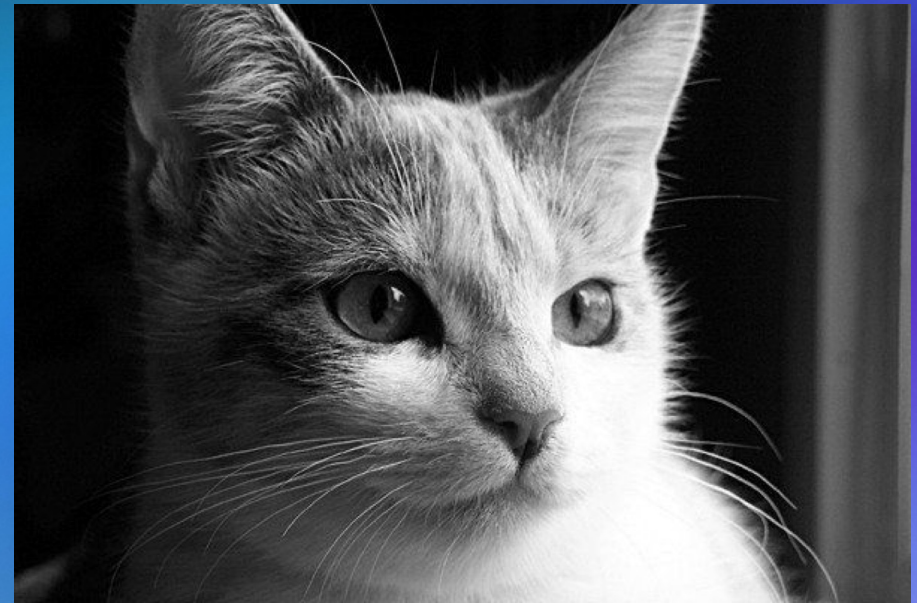
Muffin?

Bagel?

Dog?



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[[ 9  1 29 70 114 76  0  8  4  5  5  0 111 162  9  8 62 62]
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 [ 10 8 23 34 44 64 88 104 119 173 234 247 253 254 227 66 74 74]
 [ 32 6 24 37 45 63 85 114 154 196 226 245 251 252 250 112 66 71]]
```



# Input

# Output

Pixels



„Chimp“

Audio



„How cold is it outside?“

Text

„Hello, how are you?“

„Bonjour, comment allez-vous?“

Pixels



„A blue and yellow train  
traveling down the tracks.“



**„AI IS ANY BRIEF EXPERT JUDGEMENT,  
FASTER, CHEAPER & BETTER THAN A HUMAN.“**

*Vivienne Ming*

# KI LERNT REGELN AUS (HISTORISCHEN) DATEN

heise online **heise +**

IT Wissen Mobiles Security Developer Entertainment Netzpolitik W


TOPTHEMEN: IFA ENERGIE UKRAINE ELEKTROMOBILITÄT KRYPTOGELD

heise online > News > 10/2018 > Amazon: KI zur Bewerbungsprüfung benachteiligte Frauen

## Amazon: KI zur Bewerbungsprüfung benachteiligte Frauen

Eigentlich wollte Amazon eine Software entwickeln, die unter Bewerbern automatisch die besten findet. Der Algorithmus hatte aber unerwünschte Nebenwirkungen.

Lesezeit: 2 Min. In Pocket speichern 430



ÖAW ÖSTERREICHISCHE AKADEMIE DER WISSENSCHAFTEN  
INSTITUT FÜR TECHNIKFOLGEN-ABSCHÄTZUNG


ITA

DAS ITA AKTUELLES THEMEN PROJEKTE VERANSTALTUNGEN

ITA → Projekte → Abgeschlossene Projekte → 2020 → Der AMS-Algorithmus

## DER AMS-ALGORITHMUS

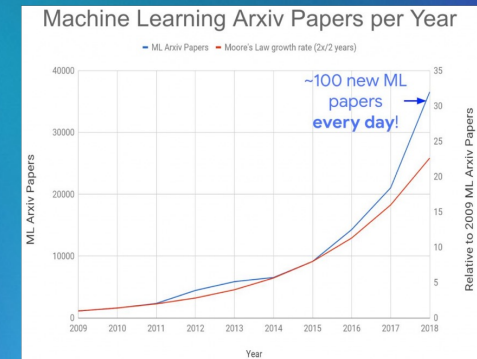
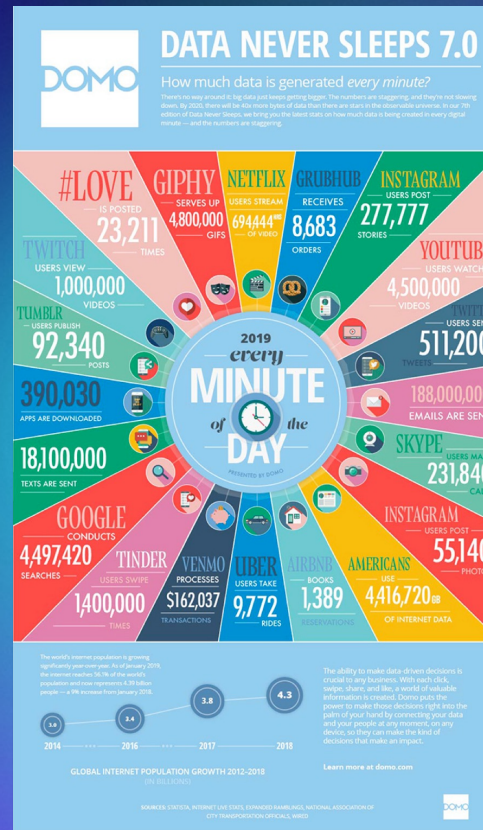
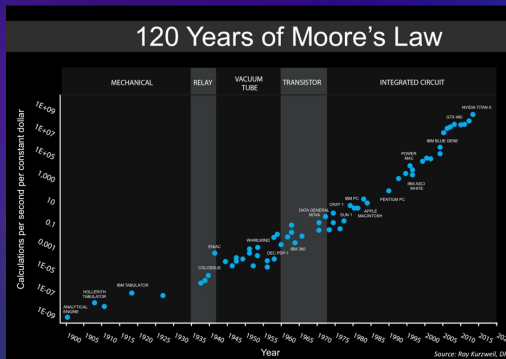
EIN ALGORITHMUS FÜR ARBEITSLOSIGKEIT? SOZIOTECHNISCHE ANALYSE DES SOGENANTEN „AMS-ALGORITHMUS“



# KI IN DER GESETZLICHEN KRANKENVERSICHERUNG



- KI-Chatbot beantwortet automatisch +85% aller eingehenden Anfragen
- KI-Telefonbot nimmt außerhalb der Geschäftszeiten Rückrufwünsche auf und beantwortet einfache Fragen
- Die komplette unsortierte Tagespost wird mit KI automatisch sortiert (inkl. Emails)
- KI-Intensivauslesung von Anträgen, eingereichten Rechnungen etc. für RPA
- Krankenhausabrechnungen werden mit KI auf Unstimmigkeiten / Betrug überprüft
- Predictive Healthcare



## How Long Until Computers Have the Same Power As the Human Brain?

Lake Michigan's volume (in fluid ounces) is about the same as our brain's capacity (in calculations per second). Computing power doubles every 18 months. At that rate, you see very little progress for a long time—and suddenly you're finished.



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