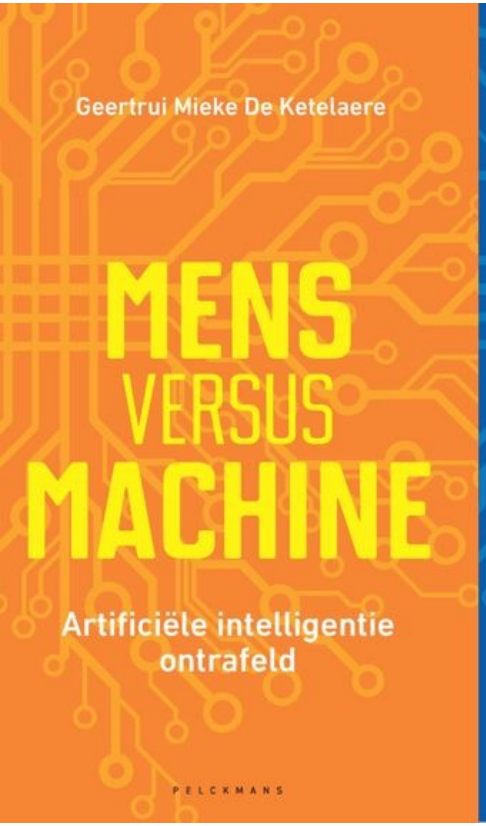
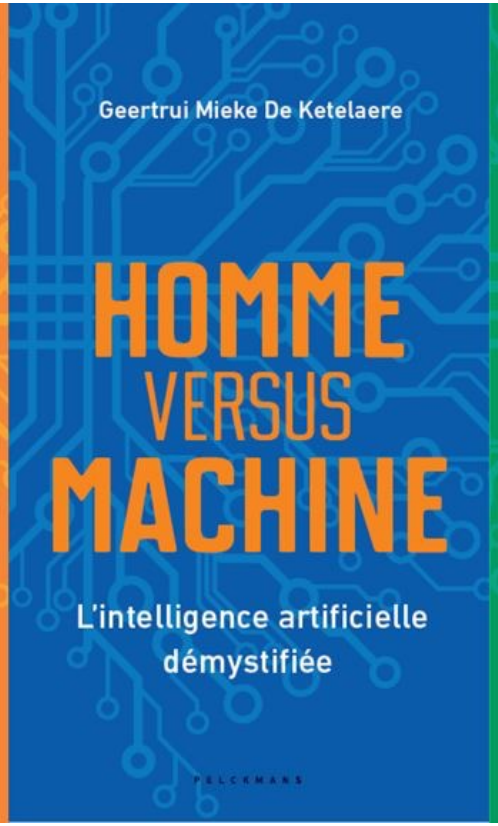
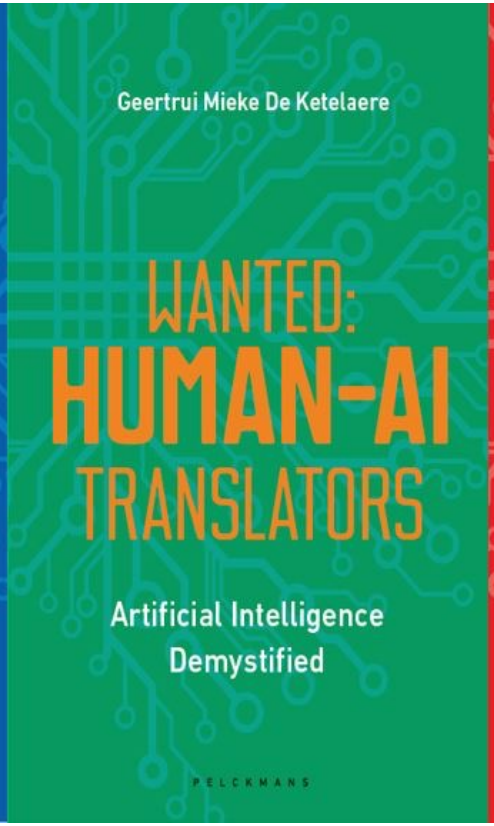
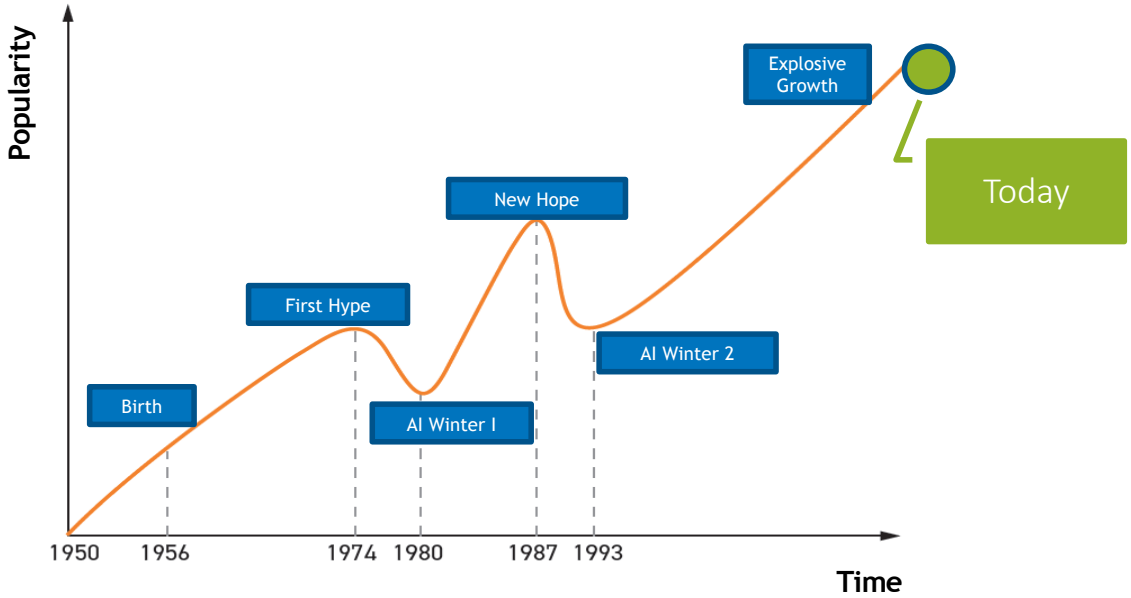

Geertrui Mieke De Ketelaere
MENS
VERSUS
MACHINE
Artificiële intelligentie
ontrafeld
PELCKMANS


Geertrui Mieke De Ketelaere
HOMME
VERSUS
MACHINE
L'intelligence artificielle
démystifiée
PELCKMANS


Geertrui Mieke De Ketelaere
WANTED:
HUMAN-AI
TRANSLATORS
Artificial Intelligence
Demystified
PELCKMANS

Geertrui Mieke De Ketelaere
MENSCH
ODER
MASCHINE
Künstliche Intelligenz
entwirrt
PELCKMANS

WELCOME IN AI-LAND



AI TODAY

Difficult Tasks

Dirty Tasks

Dull Tasks

Dangerous Tasks

AI TODAY

Telegraph.co.uk

Uber stops developing driverless cars as it technology

Uber has dropped plans to build its own driverless car a division developing the technology to a US start-up, afte

1 day ago

POLICY | BUSINESS | TECH

IBM will no longe facial recognition

IBM's CEO says we should reevaluat

By Jay Peters | @jaypeters | Jun 8, 2020, 8:49pm EDT

BI Business Insider

Google tried to ousted AI ethic

Google held a mee Timnit Gebru, a pr

19 hours ago

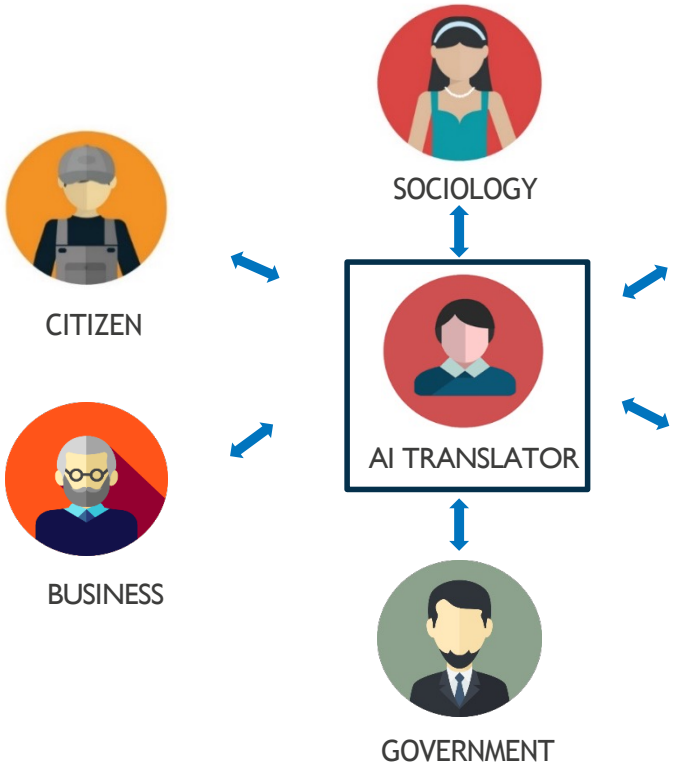
Tesla loses top AI executive who led Autopilot vision team

Kirsten Korosec @kirstenkorosec / 12:48 AM GMT+2 • July 14, 2022

Comment

Image Credits: Christopher Goodney/Bloomberg / Getty Images

WANTED: HUMAN AI TRANSLATORS

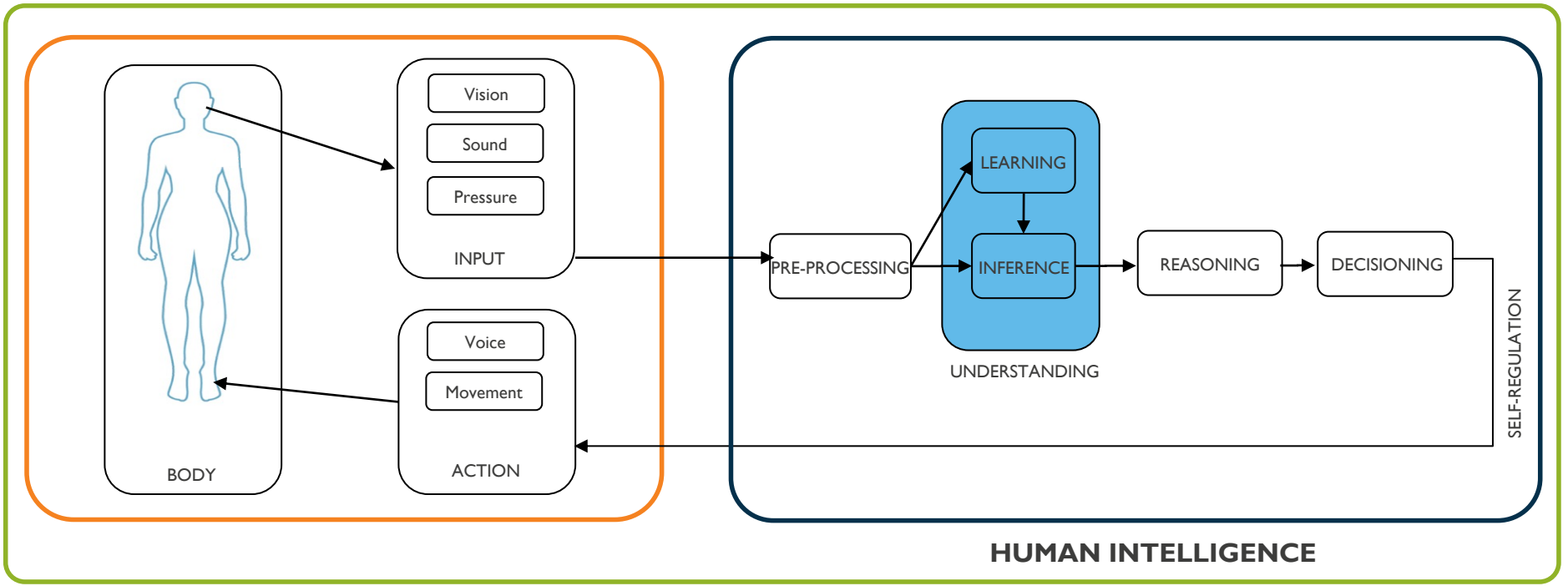


$$\text{Score}(U_i, v) = \left(r_{\text{ni}} + \frac{\sum_{U_j \in \widetilde{KN}(U_i)} \text{Sim}(U_i, U_i)\left(r_{U_j v} - r_{uj}\right)}{\sum_{U_j \in \text{KN}(U_i)} \text{Sim}(U_i, U_j)} \right) f \quad (6)$$

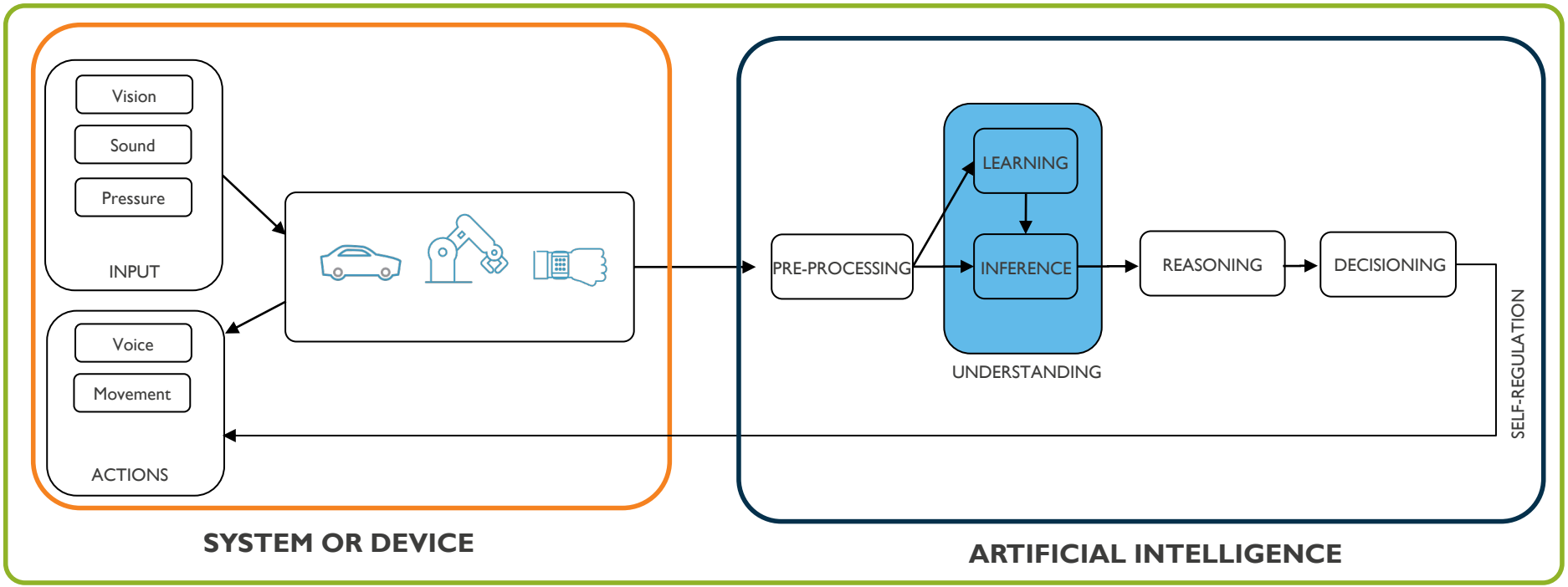
where $f = \exp\{-1 + \alpha(\bar{r}_{ui} - \bar{r}_{uj})\}$, exp represents the exponential function based on e, $\bar{r}_{ui}$ is the average of U_i, $r_{uj,v}$ is score of U_j to v, α is the attenuation factor, and Score(U_i, v) is the prediction score of U_i to v.

... Decisions referred to in paragraph 2 shall not be based on special categories of personal data referred to in Article 9(1), unless point (a) or (g) of Article 9(2) applies and suitable measures to safeguard the data subject's rights and freedoms and legitimate interests are in place ...

HUMAN INTELLIGENCE TODAY



ARTIFICIAL INTELLIGENCE TODAY



AUTOMATED DECISIONING SYSTEMS

AI ANNO 2022

	HUMAN INTELLIGENCE	ARTIFICIAL INTELLIGENCE
1. Speed of processing		x
2. Knowledge Transfer		x
3. Decision Accuracy		x
4. Operational Modus		x
5. Size of storage	x	
6. Energy Usage	x	
7. Parallel Processing	x	
8. Reasoning	x	

AI ANNO 2022

	HUMAN INTELLIGENCE	ARTIFICIAL INTELLIGENCE
9. Adapt to Change	x	
10. Type of Input Data	x	
11. Physical Collaboration	x	
12. Human Dialogues	x	
13. Creativity	x	
14. Emotions	x	
15. Consciousness	x	
16. Ethics (Bias)	x	x
17. Ethics (Noise)	x	x

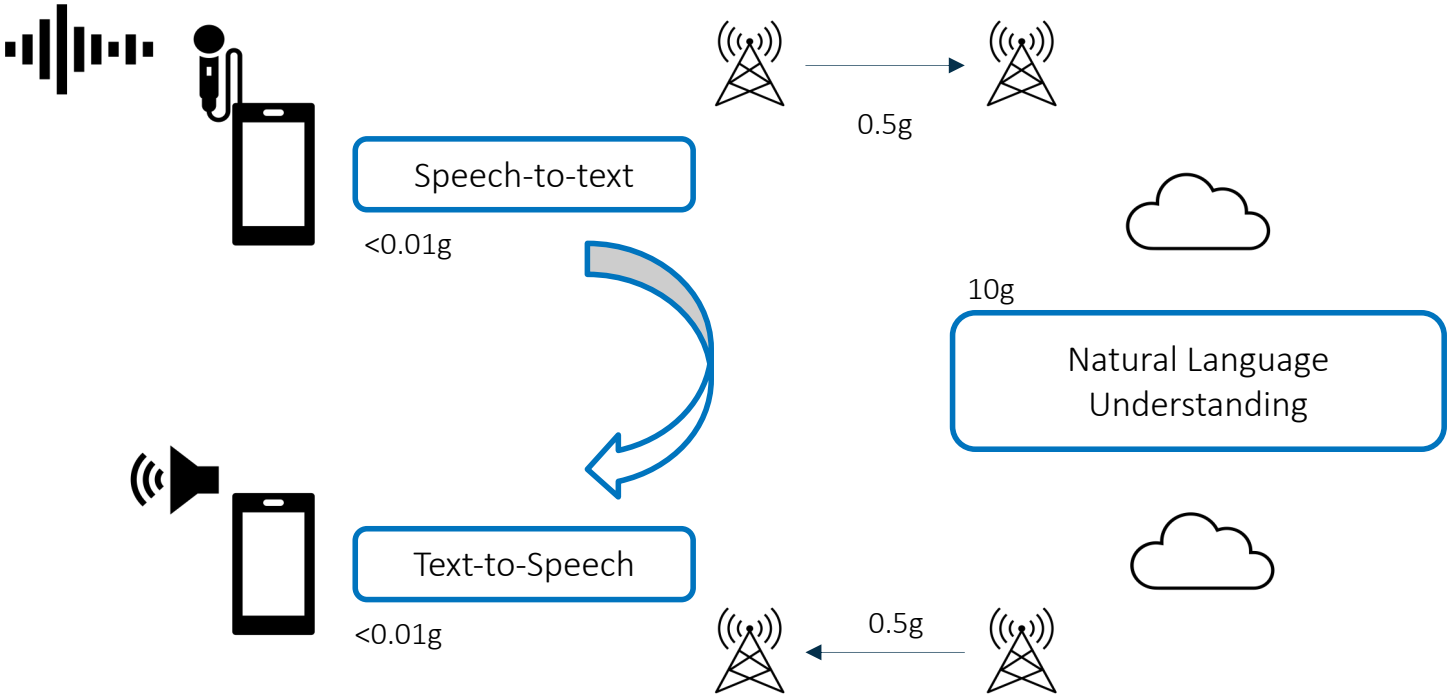
A LITTLE CHECK

« Siri, what is the weather going to be like tomorrow »

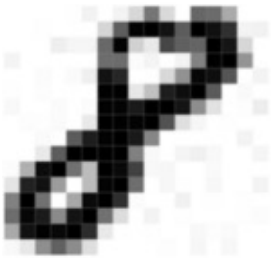
THE RESULT

11g CO_2

HOW IS THIS CALCULATED?



LOOKING THROUGH THE EYES OF AN ALGORITHM



=

[0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 12, 0, 11, 39, 137, 37, 0, 152, 147, 84, 0, 0, 0, 0,
0, 1, 0, 0, 0, 41, 160, 250, 255, 235, 162, 255, 238, 206, 11, 13, 0, 0, 0, 0, 16, 9, 9, 150, 251, 45, 21, 184, 159, 154, 2
55, 233, 40, 0, 0, 10, 0, 0, 0, 0, 0, 145, 146, 3, 10, 0, 11, 124, 253, 255, 107, 0, 0, 0, 0, 3, 0, 4, 15, 236, 216, 0, 0,
38, 109, 247, 240, 169, 0, 11, 0, 1, 0, 2, 0, 0, 0, 253, 253, 23, 62, 224, 241, 255, 164, 0, 5, 0, 0, 6, 0, 0, 4, 0, 3, 252
, 250, 228, 255, 255, 234, 112, 28, 0, 2, 17, 0, 0, 2, 1, 4, 0, 21, 255, 253, 251, 255, 172, 31, 8, 0, 1, 0, 0, 0, 0, 0, 4,
0, 163, 225, 251, 255, 229, 120, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 21, 162, 255, 255, 254, 255, 126, 6, 0, 10, 14, 6, 0, 0, 9
, 0, 3, 79, 242, 255, 141, 66, 255, 245, 189, 7, 8, 0, 0, 5, 0, 0, 0, 0, 26, 221, 237, 98, 0, 67, 251, 255, 144, 0, 8, 0, 0
, 7, 0, 0, 11, 0, 125, 255, 141, 0, 87, 244, 255, 208, 3, 0, 0, 13, 0, 1, 0, 1, 0, 0, 145, 248, 228, 116, 235, 255, 141, 34
, 0, 11, 0, 1, 0, 0, 0, 1, 3, 0, 85, 237, 253, 246, 255, 210, 21, 1, 0, 1, 0, 0, 6, 2, 4, 0, 0, 0, 6, 23, 112, 157, 114, 32
, 0, 0, 0, 0, 2, 0, 8, 0, 7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

324 inputs

LACKING COMMON SENSE

SCIENCE / TECH / ARTIFICIAL INTELLIGENCE

OpenAI's state-of-the-art machine vision AI is fooled by handwritten notes

Granny Smith	85.6%
iPod	0.4%
library	0.0%
pizza	0.0%
toaster	0.0%
dough	0.1%

Granny Smith	0.1%
iPod	99.7%
library	0.0%
pizza	0.0%
toaster	0.0%
dough	0.0%

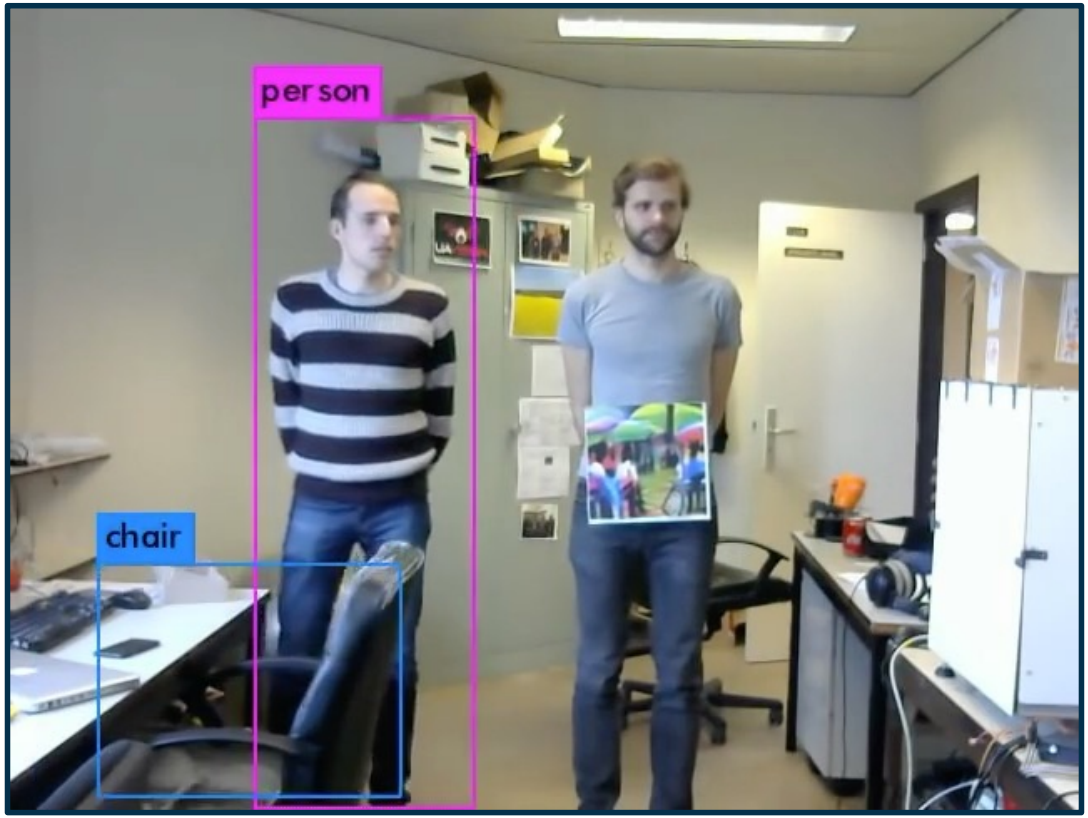
Need to trick OpenAI's latest vision system? Simply add a handwritten label to your target. Image: OpenAI

/ A fascinating case study in machine versus human intelligence

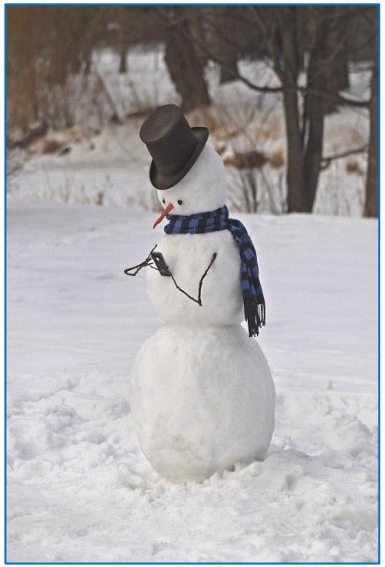
By JAMES VINCENT

Mar 8, 2021, 2:49 PM GMT+1 | 0 Comments

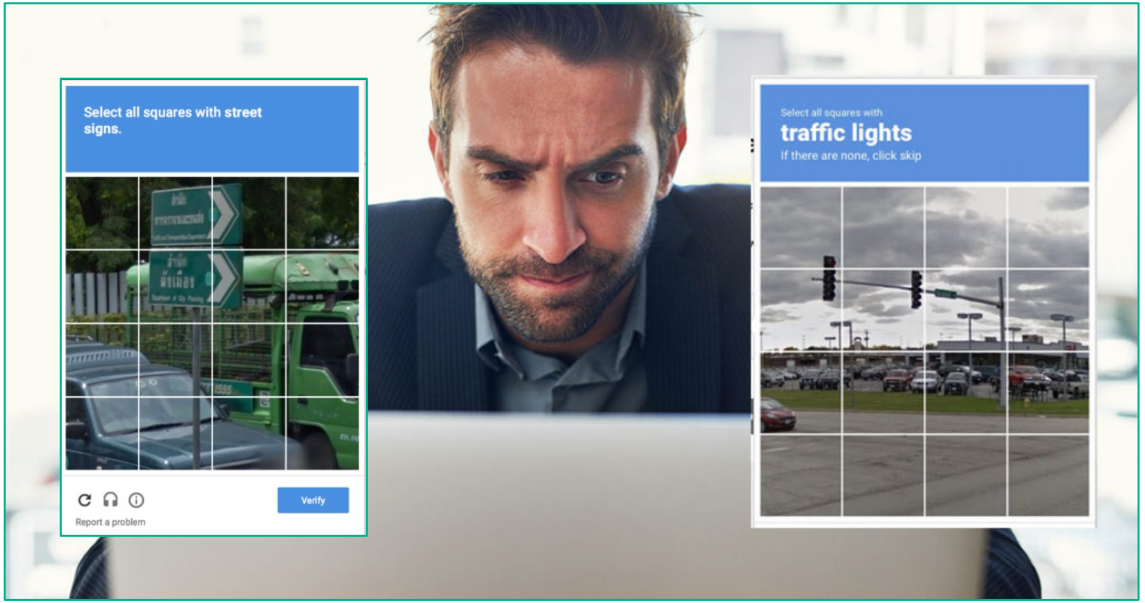
LACKING COMMON SENSE



LACKING CONCEPTS & ABSTRACTION



LACKING CONCEPTS & ABSTRACTION



LACKING INTRA DEVICE COLLABORATION

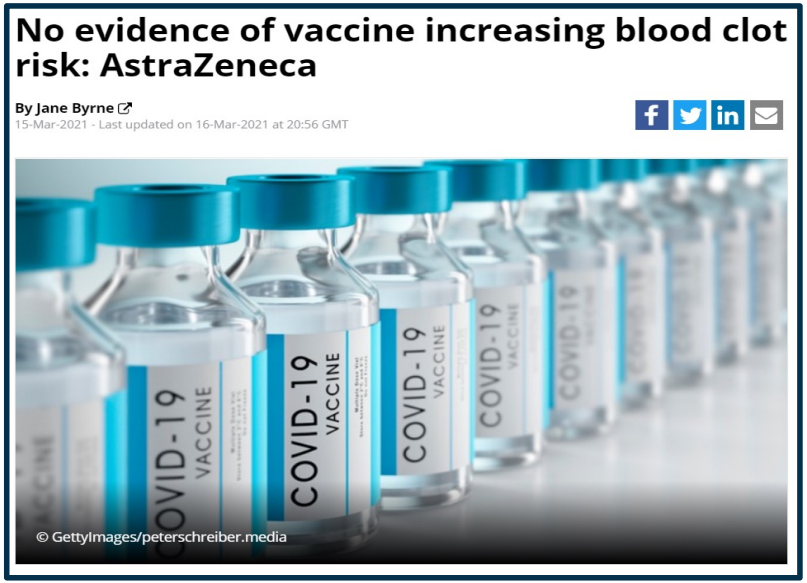
Video of Tesla on Autopilot crashing into truck kicks off online debate

Users noted that Autopilot might not be capable of spotting stationary objects

Web Desk | June 06, 2020 17:45 IST

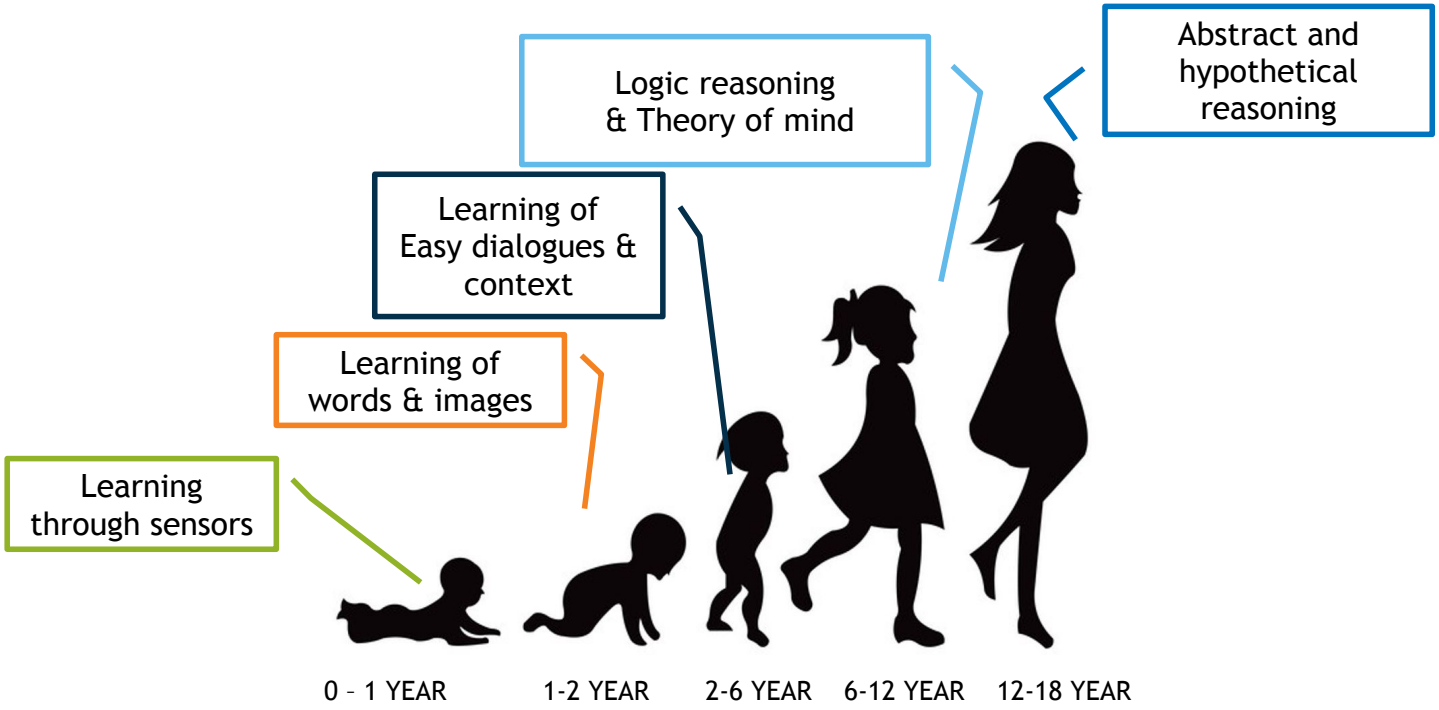
A screengrab from the video of Tesla Model 3 (white) crashing into the overturn truck

LACKING CAUSALITY, FOCUS ON FINDING CORRELATIONS

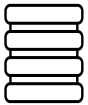


If AI's So Smart, Why Can't It Grasp Cause and Effect? | WIRED

HUMAN INTELLIGENCE



THE PROCESS



$Y=\beta_0+\beta_1x_1+\beta_2x_2+\beta_3x_3+\ldots$

CLV = -1500 -20,5*Age + 1,3*Income + …

CLV(Mieke) = 789

Loan request: OK! (Backend)

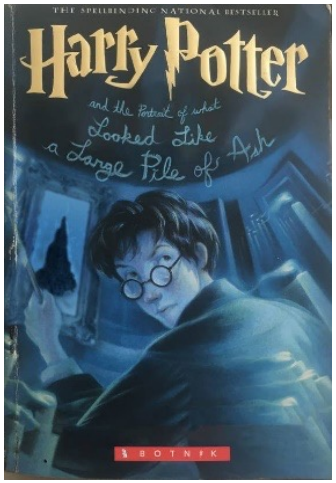
Automated approval (Frontend)

Request | Data | Algorithm | Model | Prediction | Decision | Action

Request | Ingredients | Appliances | Recipes | Dish | Observation | Eating

AUTOGENERATION ROLLERCOASTER

AUTOGENERATED ART



AUTOGENERATED BOOKS

THE POWER OF AUTOGENERATION: FUN …

http://makemeazombie.com

THE POWER OF AUTOGENERATION: … OR DANGER

Deepfakes: An insurance industry threat

From bogus claims to reputational damage, the ability of synthetic media to seemingly bend reality is an emerging menace with a far reach.

By **Nicos Vekiarides** | September 14, 2021 at 12:00 AM

Deep Learning Malware Can Fake Cancer on Medical Images

A deep learning algorithm successfully penetrated a healthcare organization and fooled both humans and an AI system with faked medical images.

Source: Thinkstock

EDITORS' PICK | Oct 14, 2021, 07:01am EDT

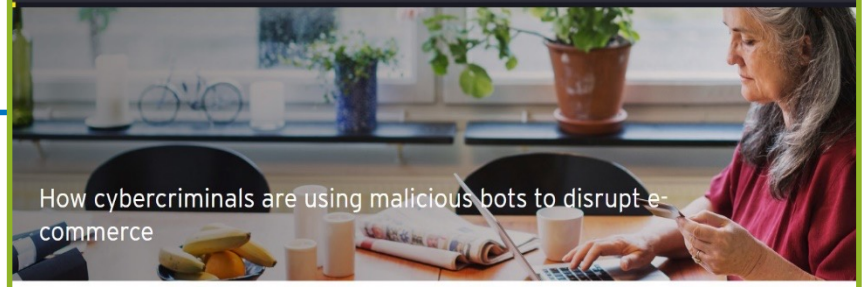
Fraudsters Cloned Company Director's Voice In $35 Million Bank Heist, Police Find

Thomas Brewster Forbes Staff

Cybersecurity

Associate editor at Forbes, covering cybercrime, privacy, security and surveillance.

EY Insights Services Industries Careers About us Search



By **Alam Hussain**

Ernst & Young - United Kingdom
Cybersecurity Consulting Partner

4 minute read
27 May 2021

E-commerce bots are a threat to online security, so businesses should adopt key identity and access management principles.

In brief

- There is no single way of stopping malicious bots.
- The four bot archetypes are always evolving.
- Companies can protect themselves and their customers against bots and reinforce their brand reputation.

ARTIFICIAL INTELLIGENCE ACT: INCREASE OF TRUST

EUROPEAN
COMMISSION

Brussels, 21.4.2021
COM(2021) 206 final

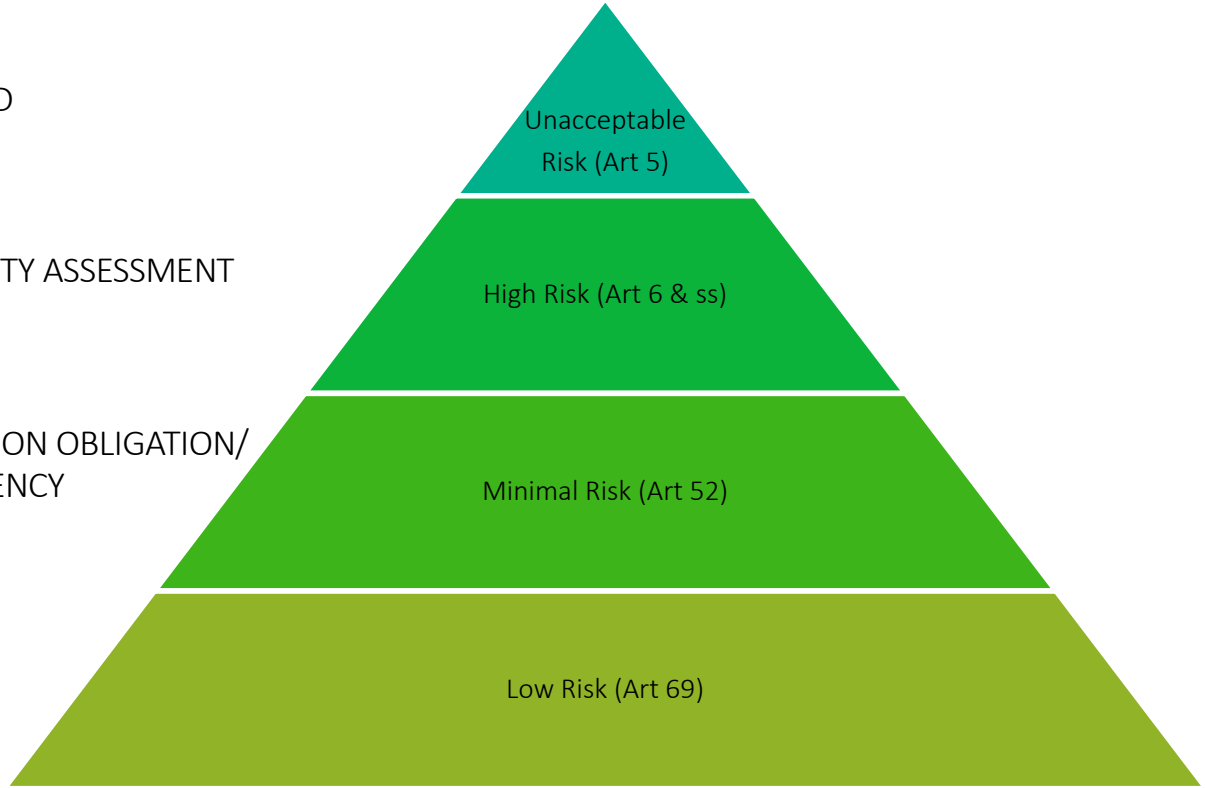
2021/0106 (COD)

Proposal for a

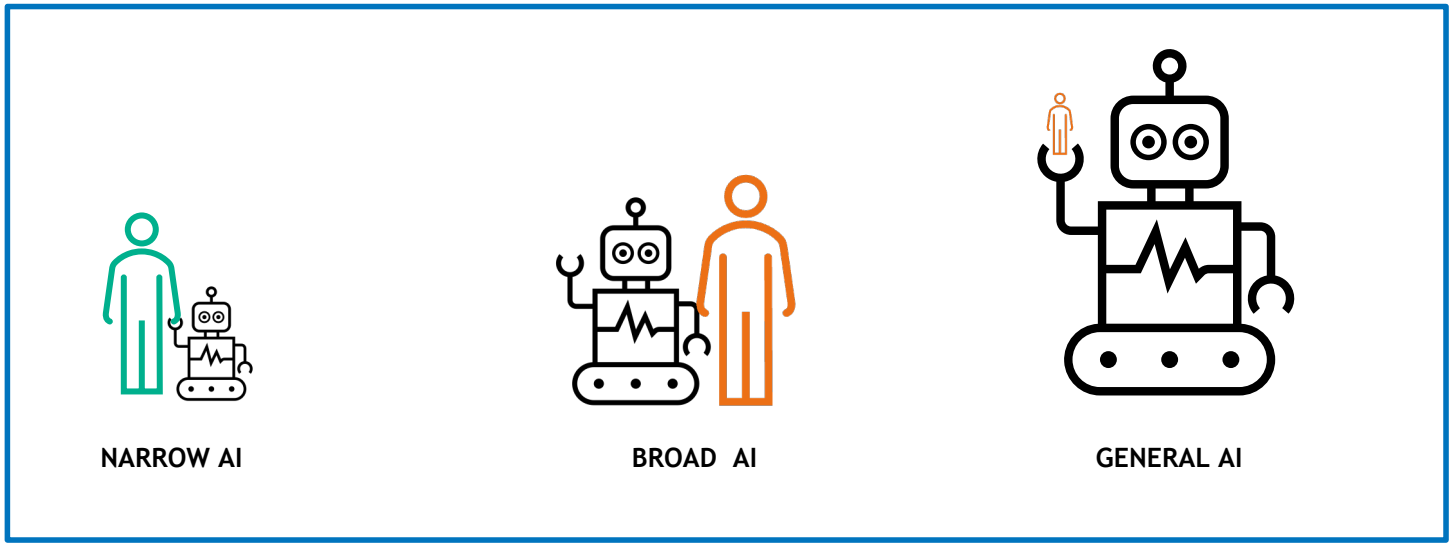
REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

LAYING DOWN HARMONISED RULES ON ARTIFICIAL INTELLIGENCE (ARTIFICIAL INTELLIGENCE ACT) AND AMENDING CERTAIN UNION LEGISLATIVE ACTS

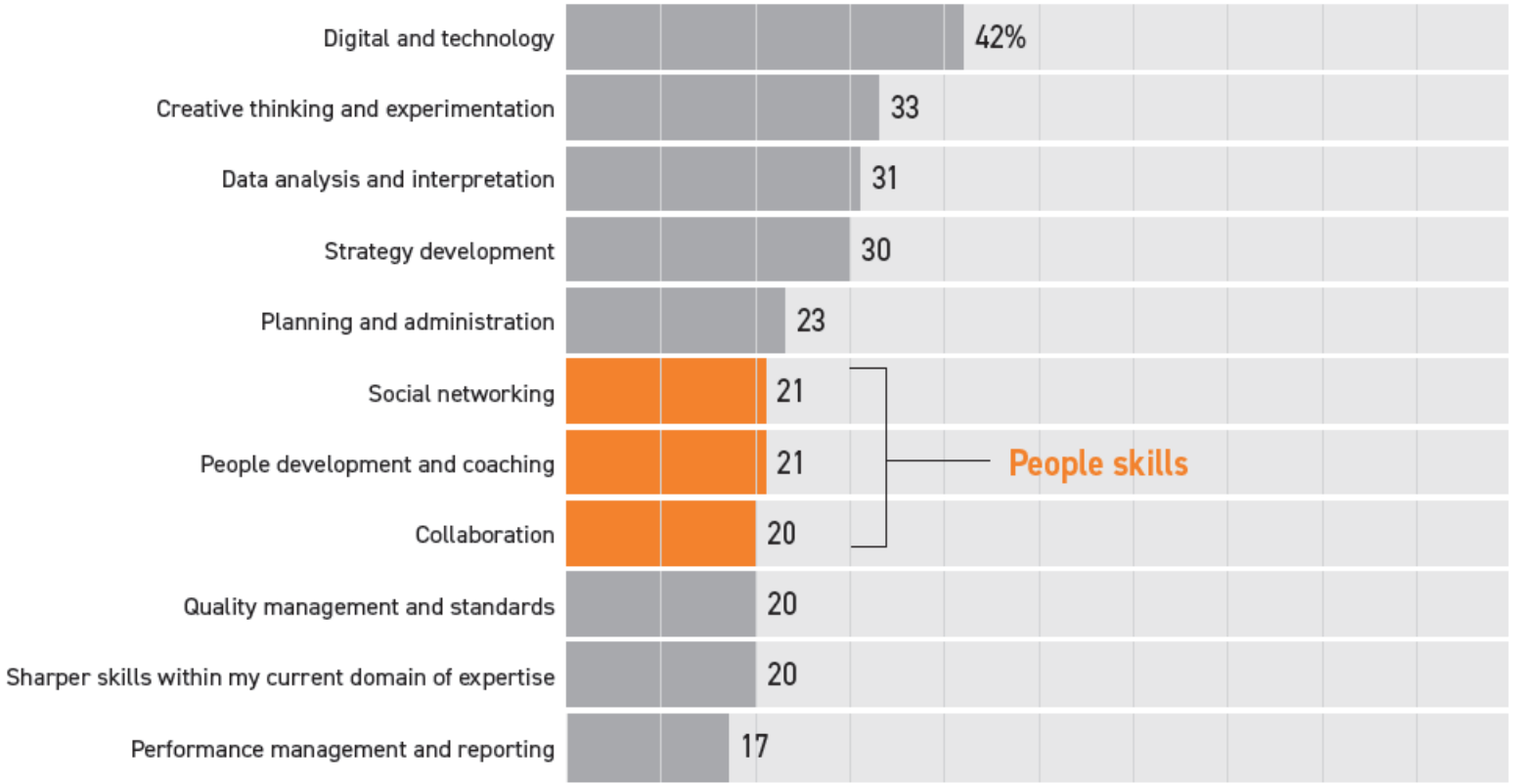
THE AI REGULATION RISK BASED APPROACH

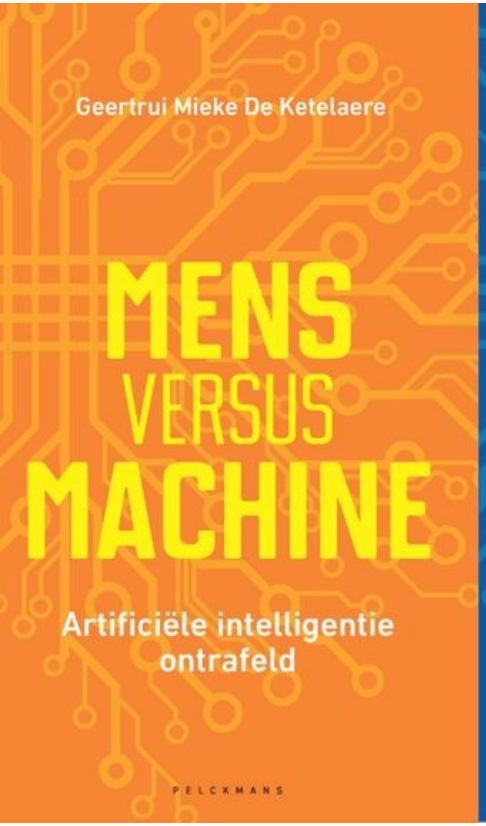


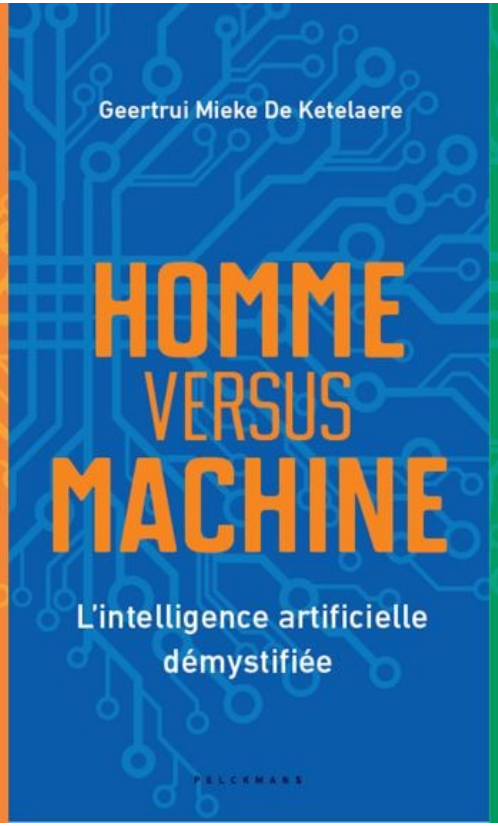
WANTED: HUMAN-AI TRANSLATORS

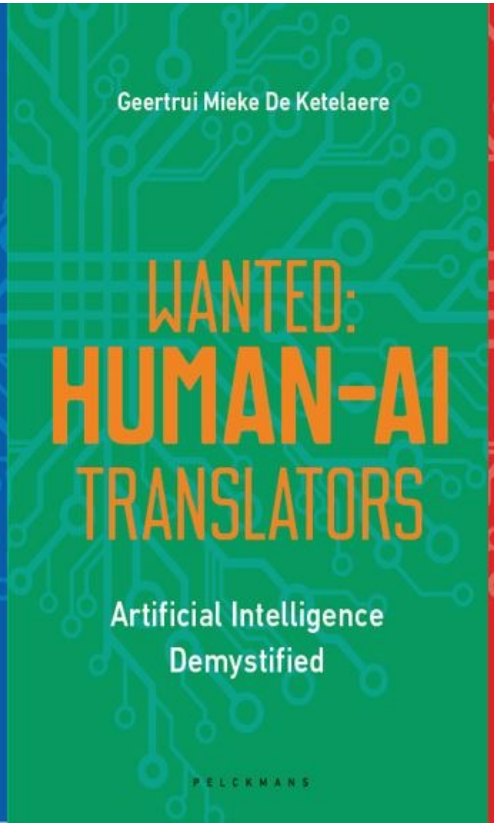


FUTURE AI SKILLS




Geertrui Mieke De Ketelaere
MENS
VERSUS
MACHINE
Artificiële intelligentie
ontrafeld
PELCKMANS


Geertrui Mieke De Ketelaere
HOMME
VERSUS
MACHINE
L'intelligence artificielle
démystifiée
PELCKMANS


Geertrui Mieke De Ketelaere
WANTED:
HUMAN-AI
TRANSLATORS
Artificial Intelligence
Demystified
PELCKMANS

Geertrui Mieke De Ketelaere
MENSCH
ODER
MASCHINE
Künstliche Intelligenz
entwirrt
PELCKMANS