

Artificial Intelligence and Future of Work



Will AI take my job?

~~Answer~~

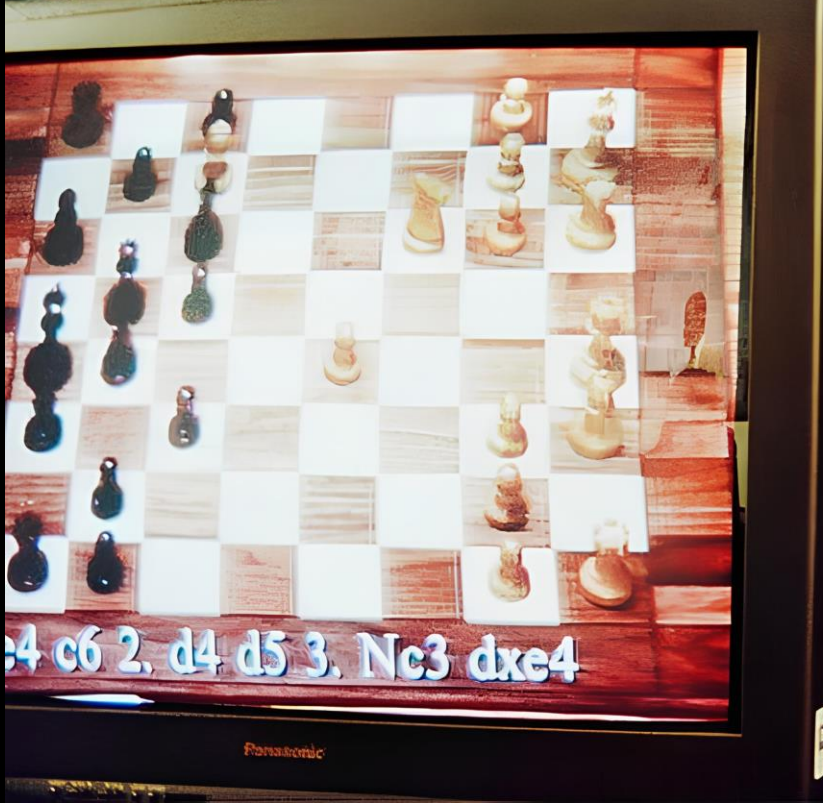
Explore

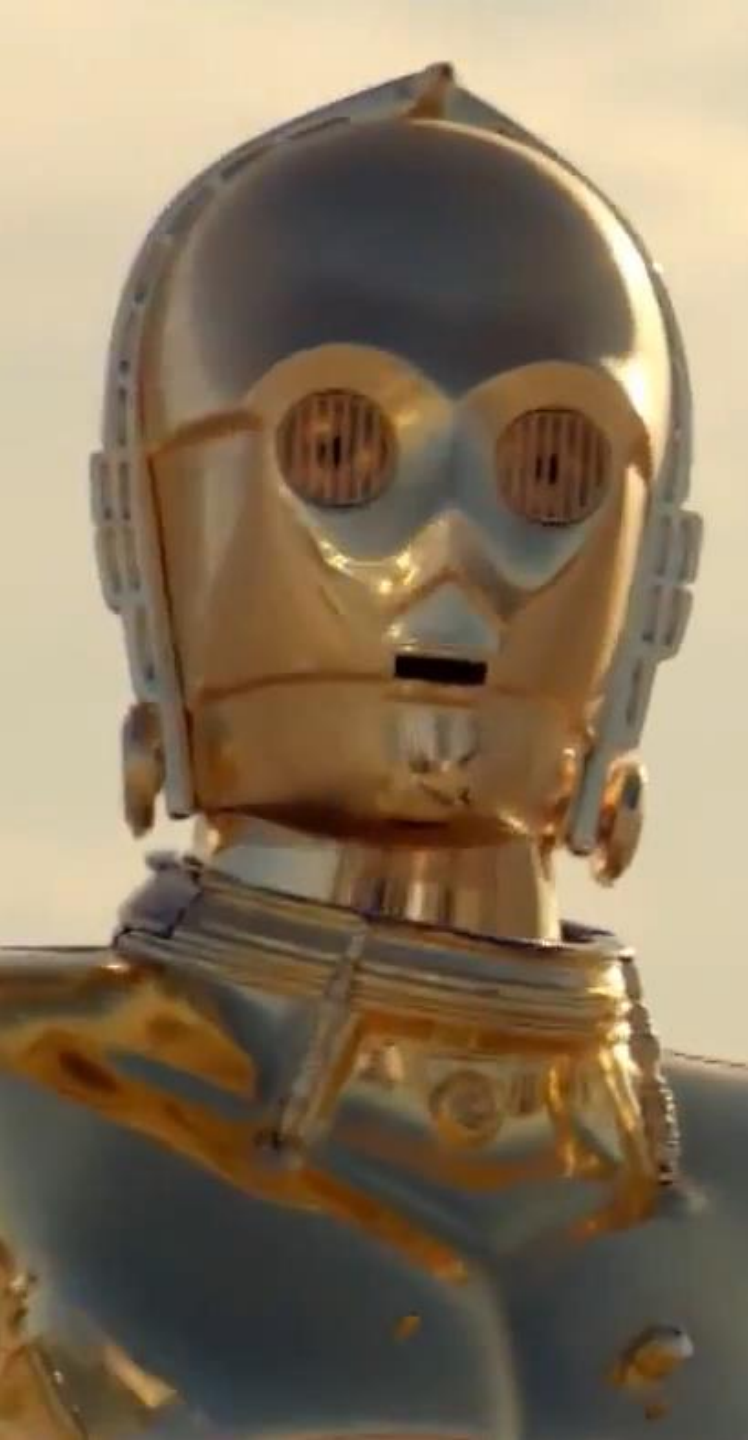
**Myths
& reality**

**AI at
work**

**Power and
progress**







Artificial Intelligence ...

- Feels
- Thinks
- Reasons
- Decides
- Imagines
- Creates
- Has an opinion
- Etc.

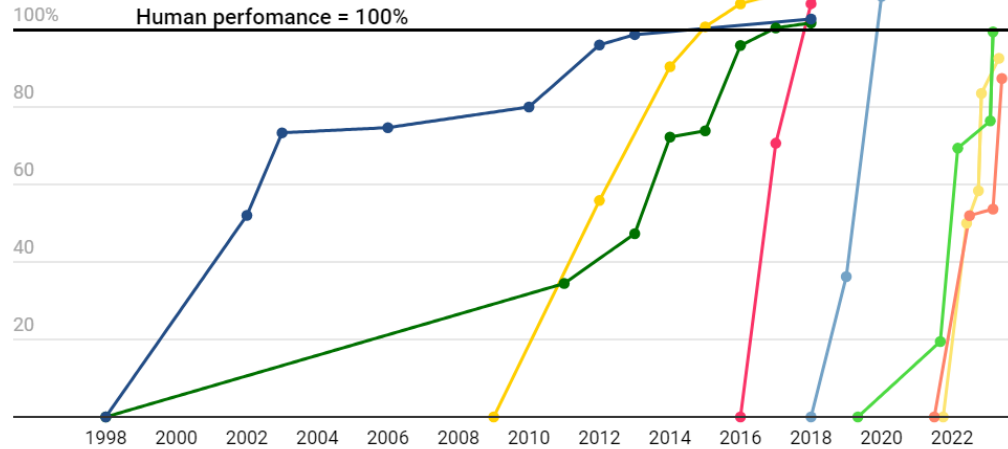


AI anthropomorphization

AI has surpassed humans at a number of tasks and the rate at which humans are being surpassed at new tasks is increasing

State-of-the-art AI performance on benchmarks, relative to human performance

● Handwriting recognition ● Speech recognition ● Image recognition ● Reading comprehension
● Language understanding ● Common sense completion ● Grade school math ● Code generation



The A.I. job culling has already begun and 4,000 people lost work last month to the technology,

Duolingo cuts workers as it relies more on AI

This CEO replaced 90% of support staff with an AI chatbot

'Mika' becomes world's first AI human-like robot CEO

Stack Overflow lays off over 100 people as the AI coding boom continues

AI is already linked to layoffs in the industry that created it

Elon Musk: Robots will take your jobs, government will have to pay your wage

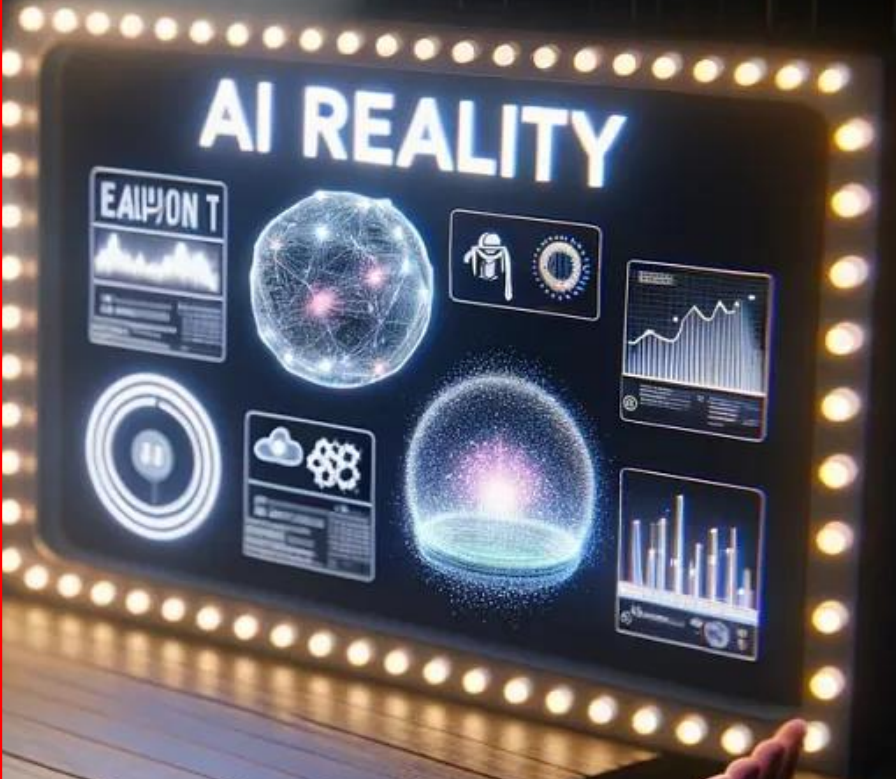
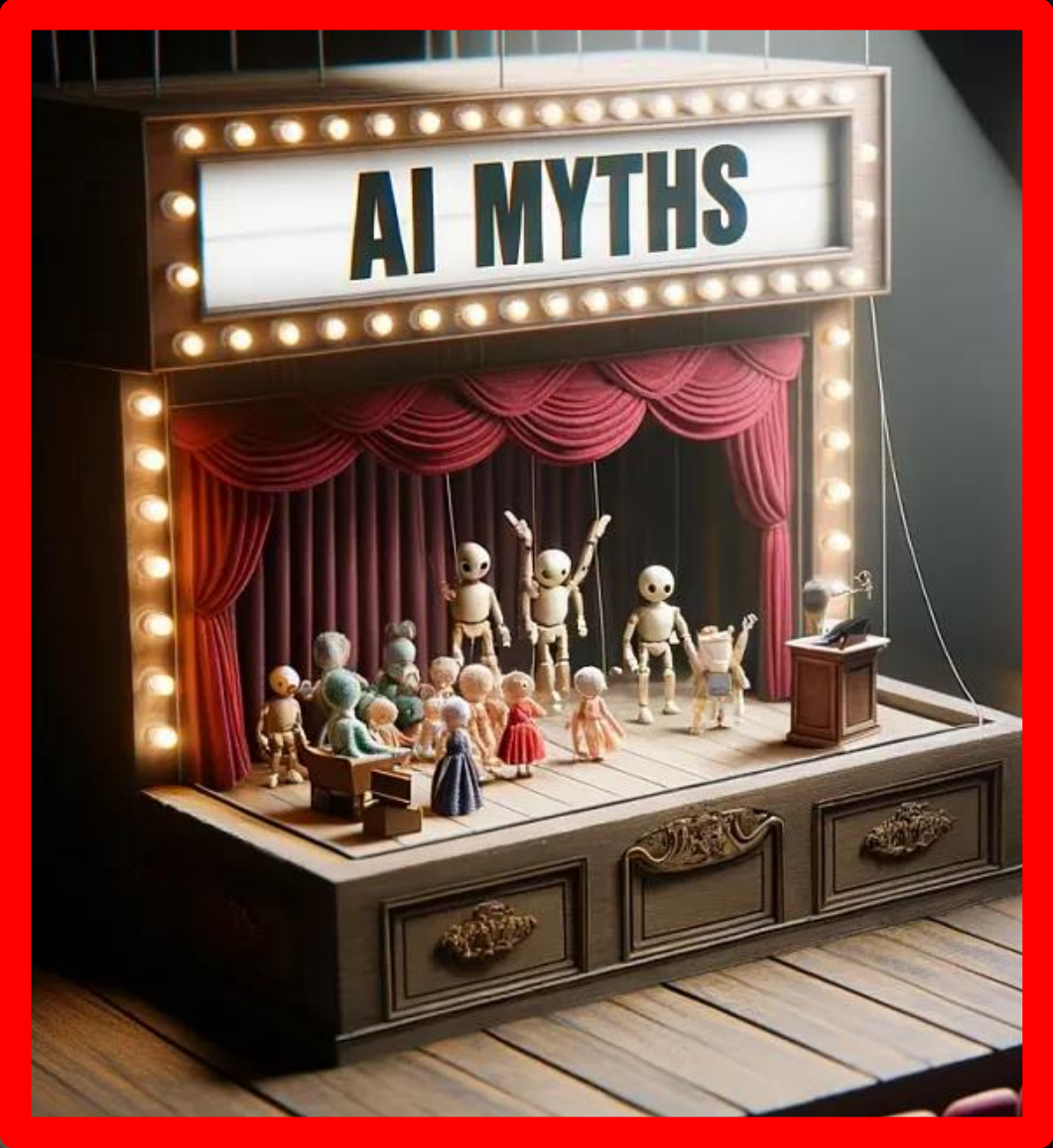
Survey: 44% of companies say AI is likely to replace employees next year

"Jobs are definitely going away due to AI"- Sam Altman

Anxiety

FOBO

(Fear Of Becoming Obsolete)



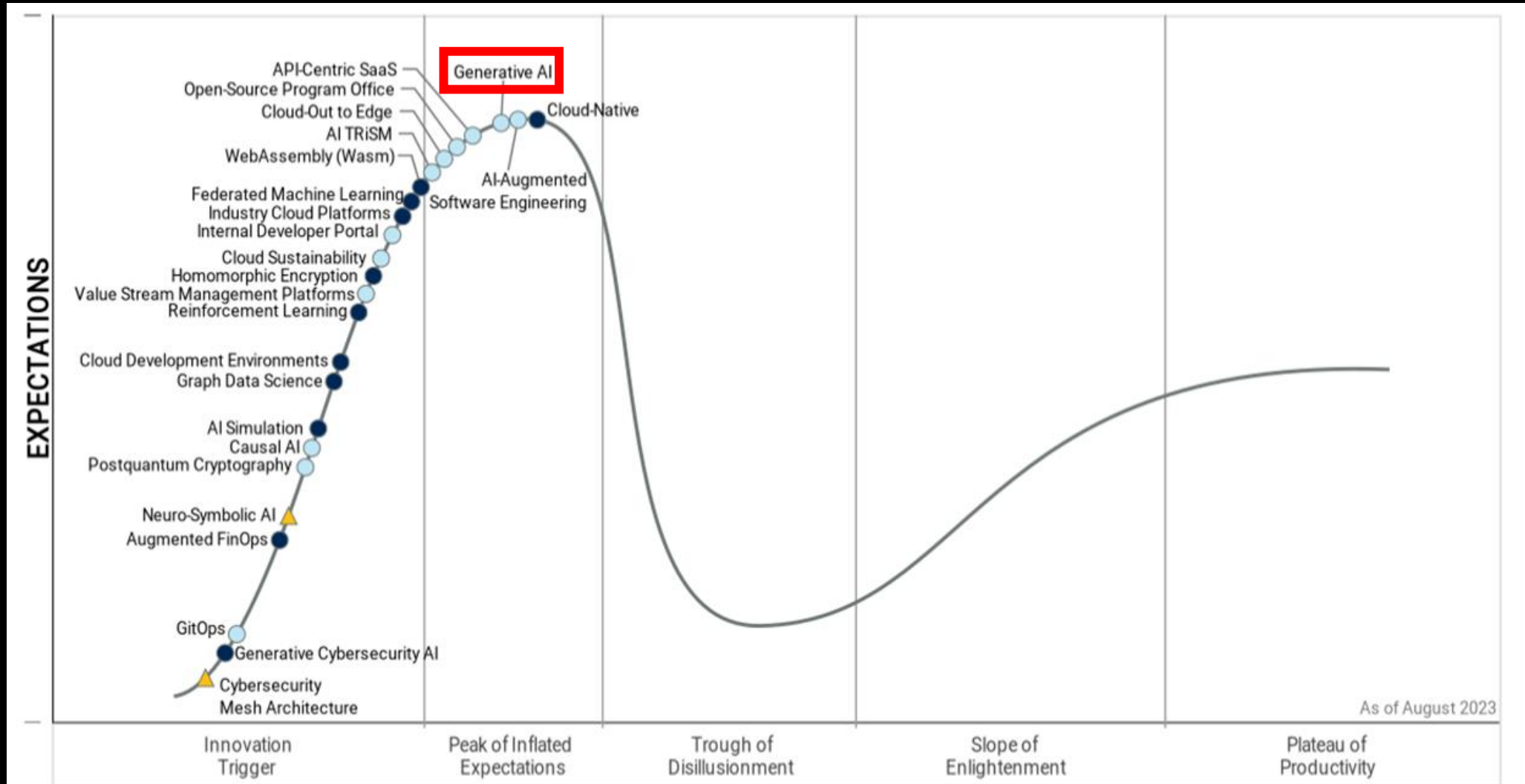
AI MYTHS



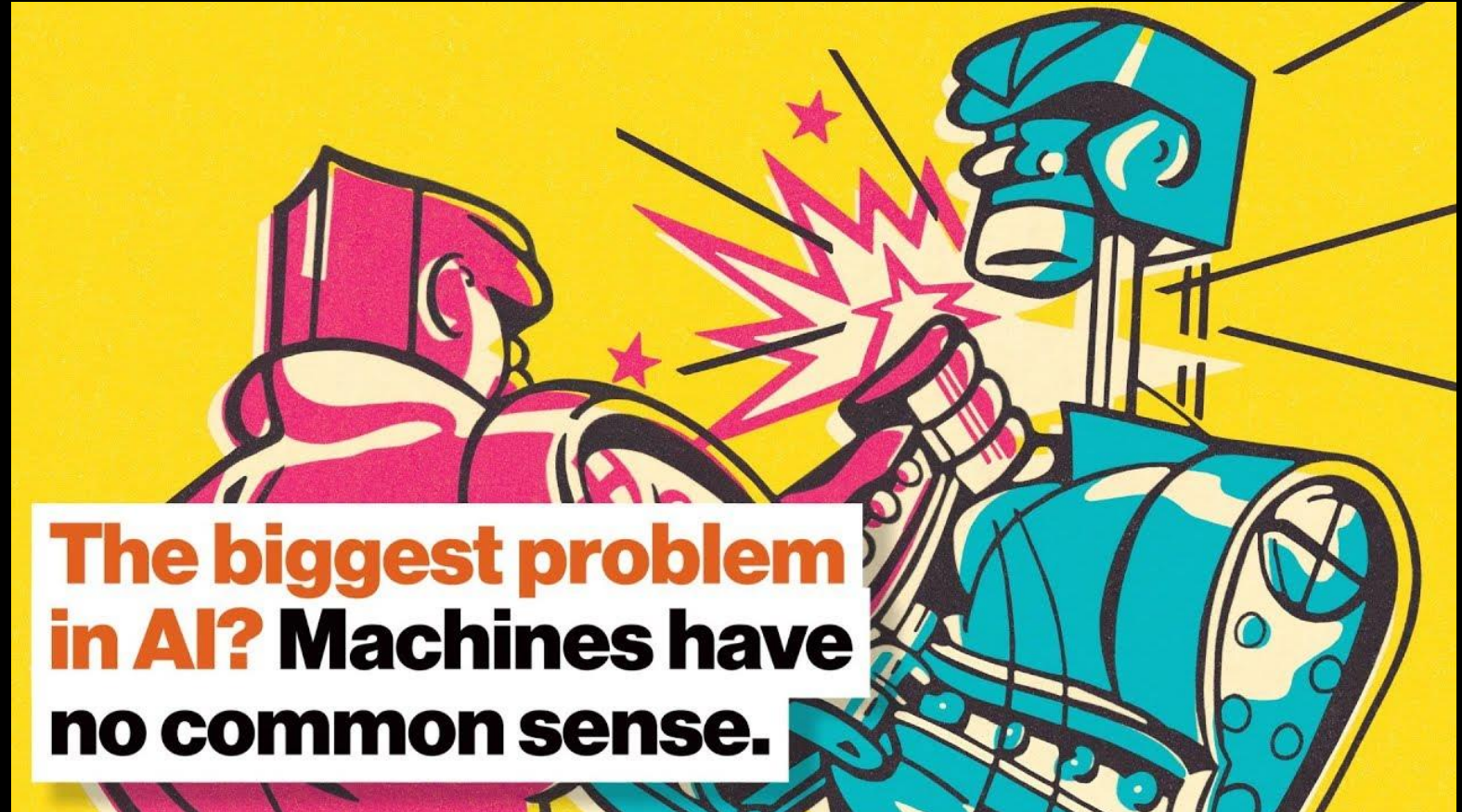
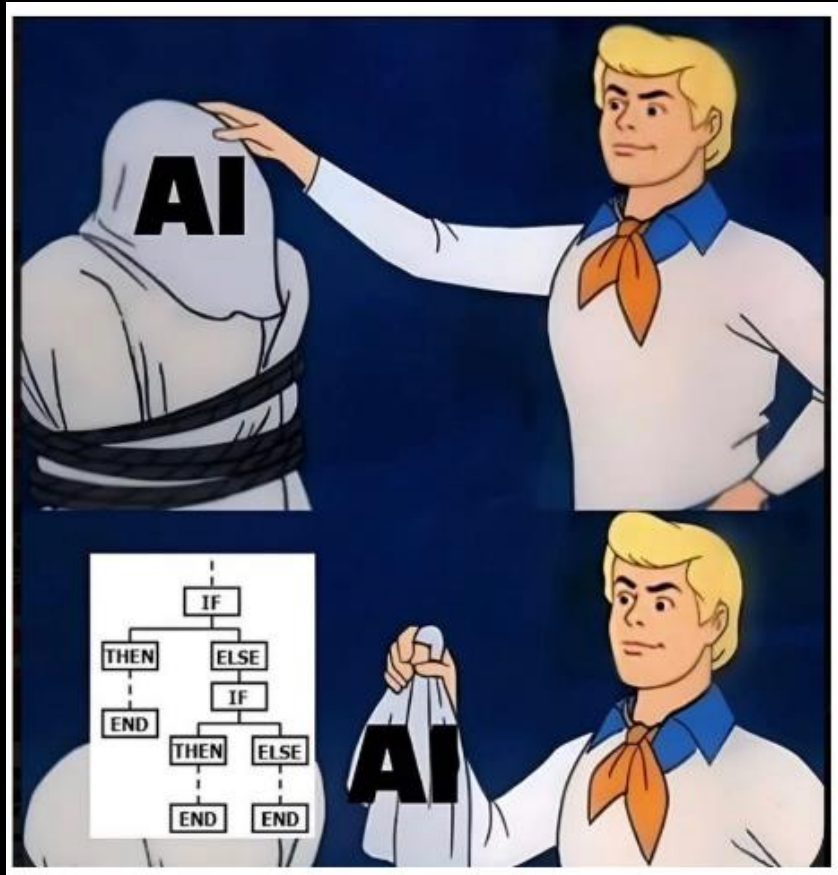
AI REALITY



Gartner 2023 – Peak of Inflated Expectations



Prediction machines. Deep learning. No understanding



Artificial intelligence makes a lot of mistakes

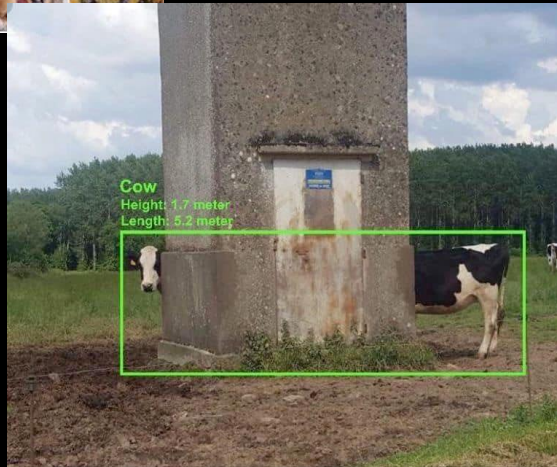
- Funny



- NOT funny



Dutch government resigns over child benefits scandal

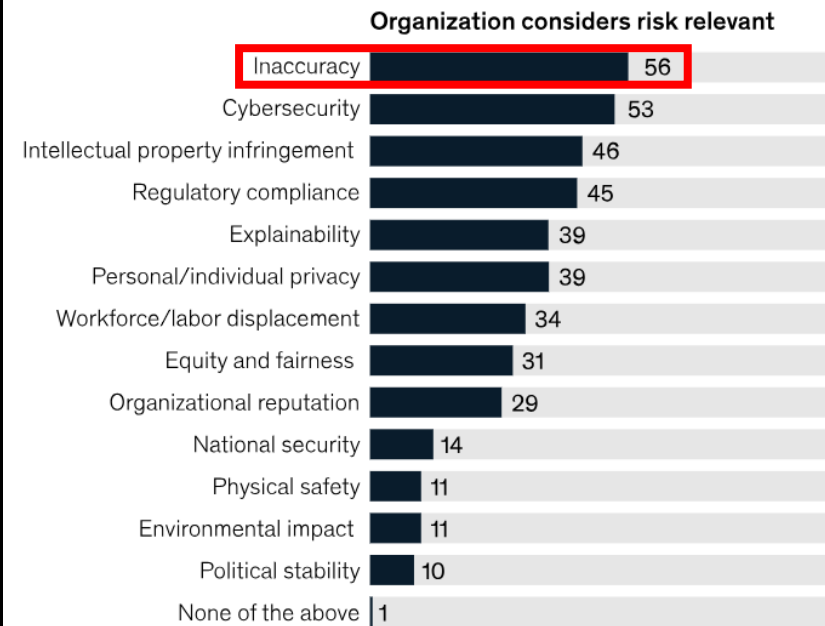


See the 55 reports of robot cars interfering with SF fire dept.

Beyond demos & PR... AI adoption is HARD

Inaccuracy, cybersecurity, and intellectual property infringement are the most-cited risks of generative AI adoption.

Generative AI-related risks that organizations consider relevant
% of respondents¹



¹Asked only of respondents whose organizations have adopted AI in at least 1 function. For both risks c
Source: McKinsey Global Survey on AI, 1,684 participants at all levels of the organization, April 11–21, 2

Jan 15, 2024 - Technology **AXIOS**

Executives say they're not ready for AI

Generative AI isn't a home run in the enterprise

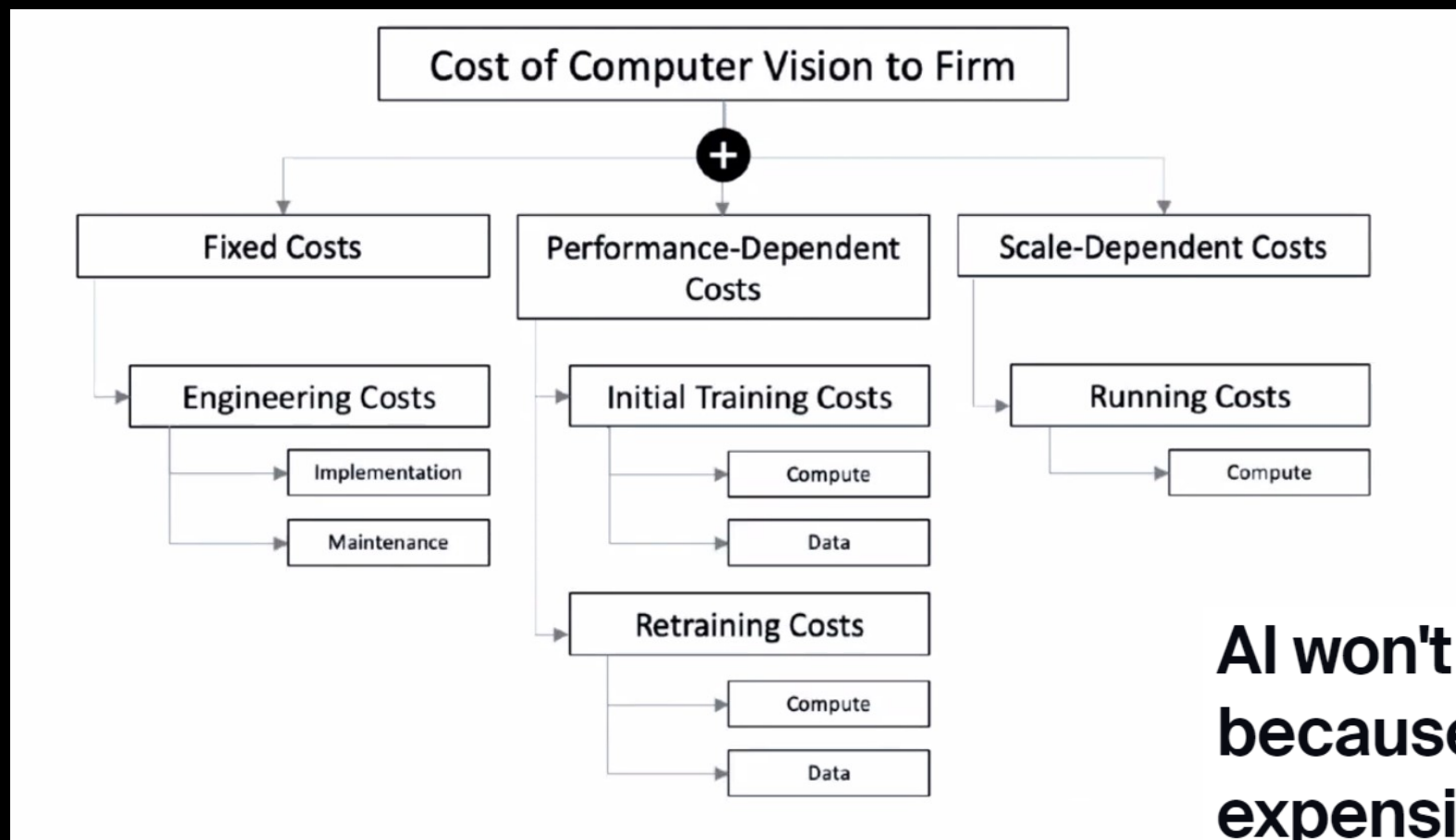
Companies want to move fast with AI adoption, but see plenty of speedbumps

DARON ACEMOGLU IDEAS JAN 18, 2024 7:00 AM **WIRED**

Get Ready for the Great AI Disappointment

Rose-tinted predictions for artificial intelligence's grand achievements will be swept aside by unde

Beyond demos & PR... AI adoption is COSTLY



**AI won't replace your job yet
because it's still too
expensive, according to MIT**

Your labor is worth more than you think.

~~Sci-fi AI~~

Prosaic AI

**Myths
& reality**

**AI at
work**

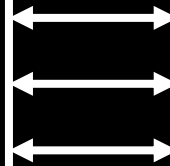
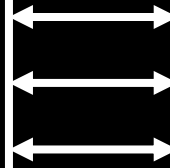
**Power and
progress**



**Humans augmented
with technology**

**Technology augmented
with humans**

**Work &
business
processes
reimagined**

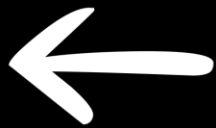


Humans augmented
with technology



**Creating a magazine cover
for...**



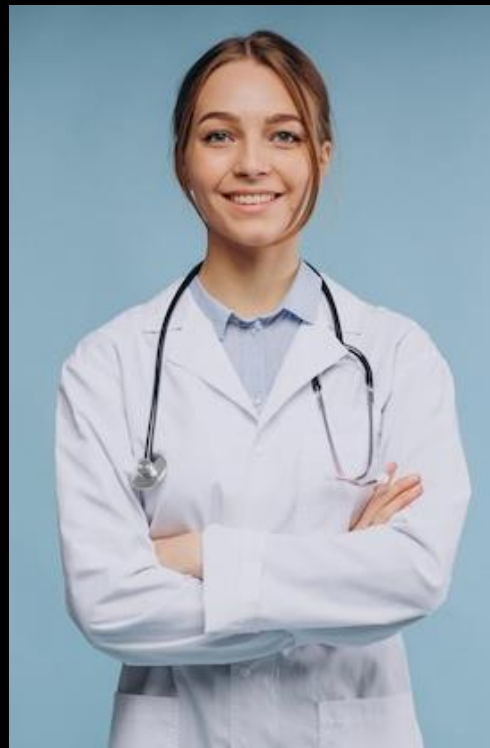


Artists

- Promptography
- No-cost experiment



From creator
to curator

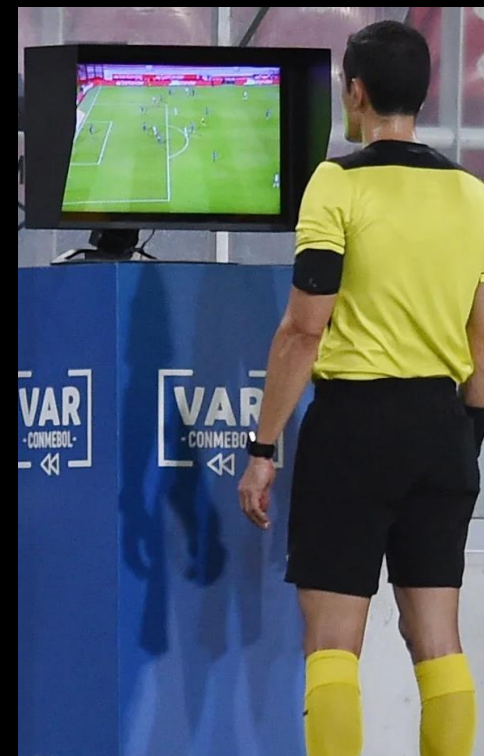


Doctors

- Transcription
- Summarization



More time
with patients



Referees

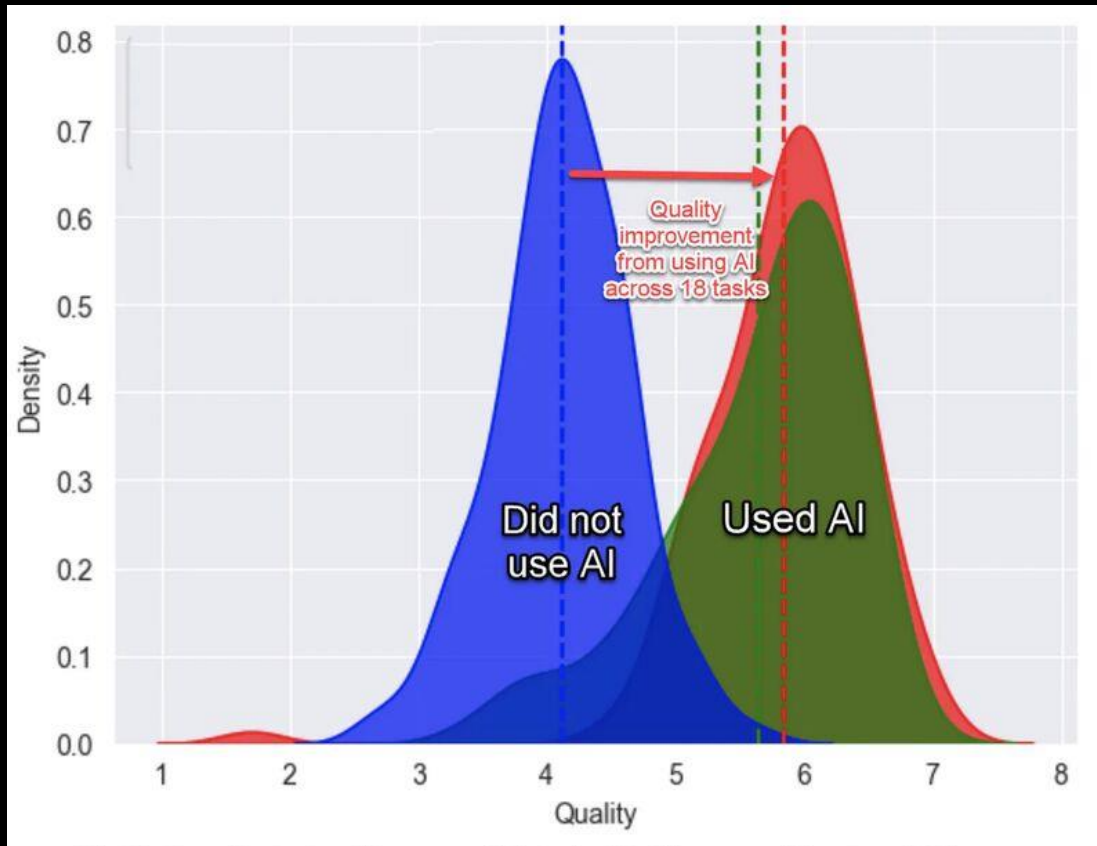
- More accuracy
- Review process



Additional
jobs created



Workers and AI adoption



- Workers productivity and quality increase
- People like doing their job better
- Workers and customers satisfaction increase
- Less experienced workers benefit the most

Field Experimental Evidence of the Effects of AI on Knowledge Worker Productivity and Quality

Workers and AI adoption

Copilot



Workers and AI adoption

Copilot → Autopilot?



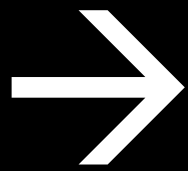
Workers and AI adoption

Copilot → Innovation?



Workers and AI adoption

Copilot



Commoditization
of a skill?



Humans augmented
with technology

Technology augmented
with humans





When we ask too much from technology...
humans are needed to fix things

Who's driving that food delivery bot? It might
be a Gen Z gamer



When we ask too much from technology...
humans are needed to fix things

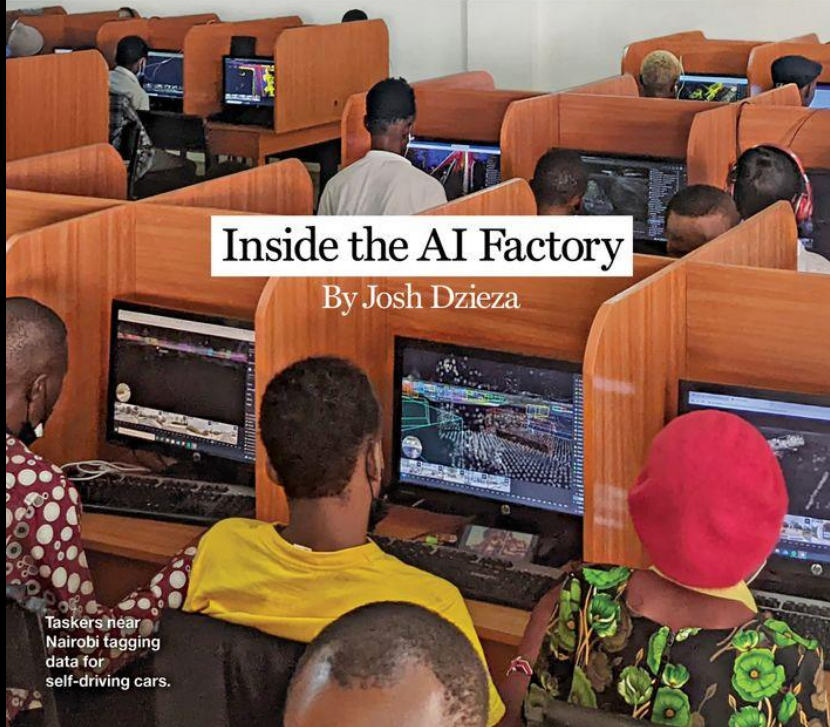
**Cruise confirms robotaxis rely on
human assistance every four to
five miles**



AI needs a lot of “humans for tech seem human”

NEW YORK

How many humans does it take to make tech seem human? Millions.



Inside the AI Factory

By Josh Dzieza



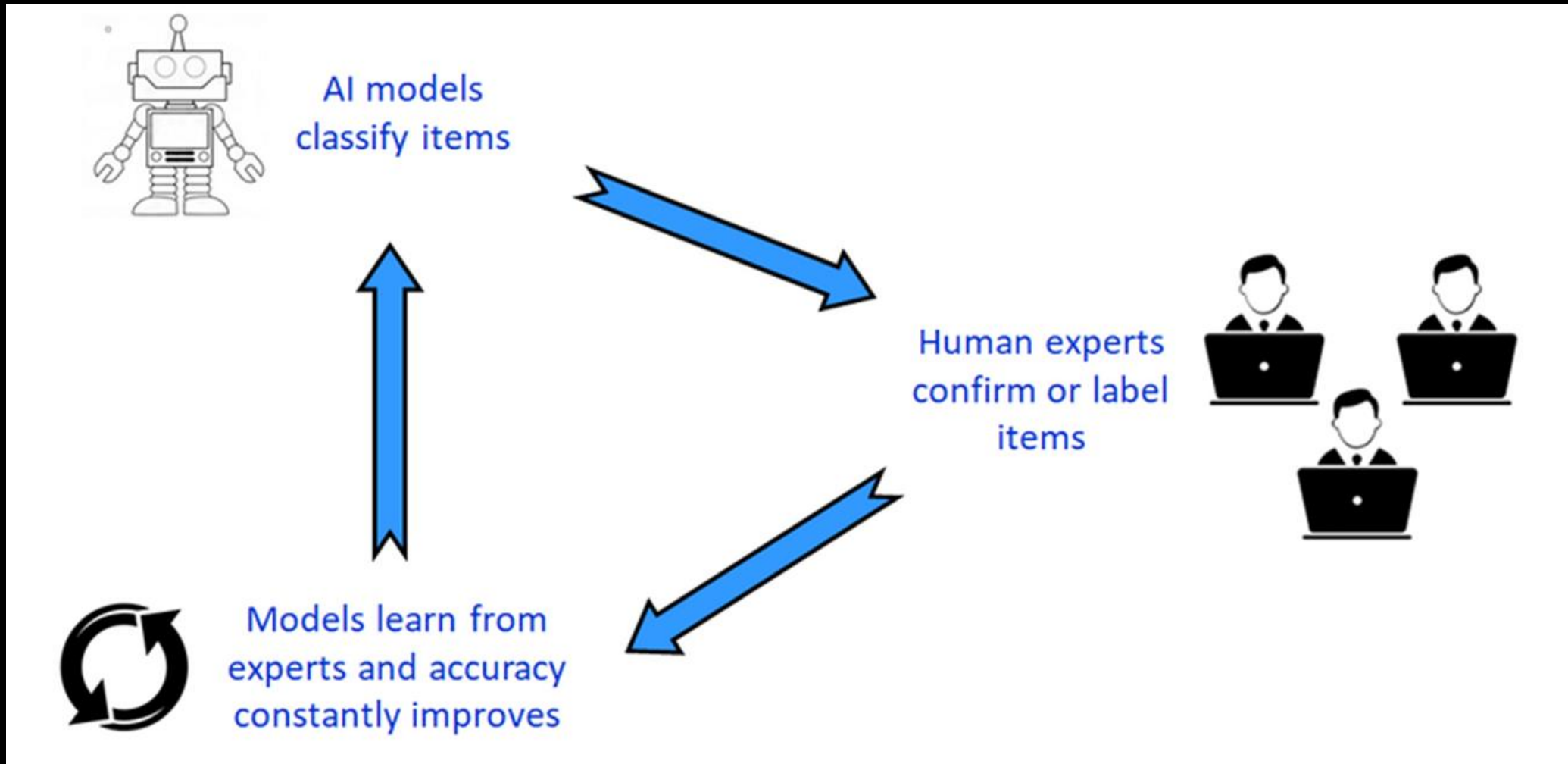
LABEL the shoes



DO NOT LABEL COSTUMES that cannot be worn by real people



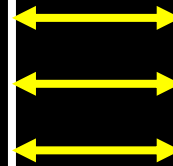
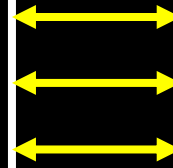
AI needs a lot of “humans in the loop” (RLHF)

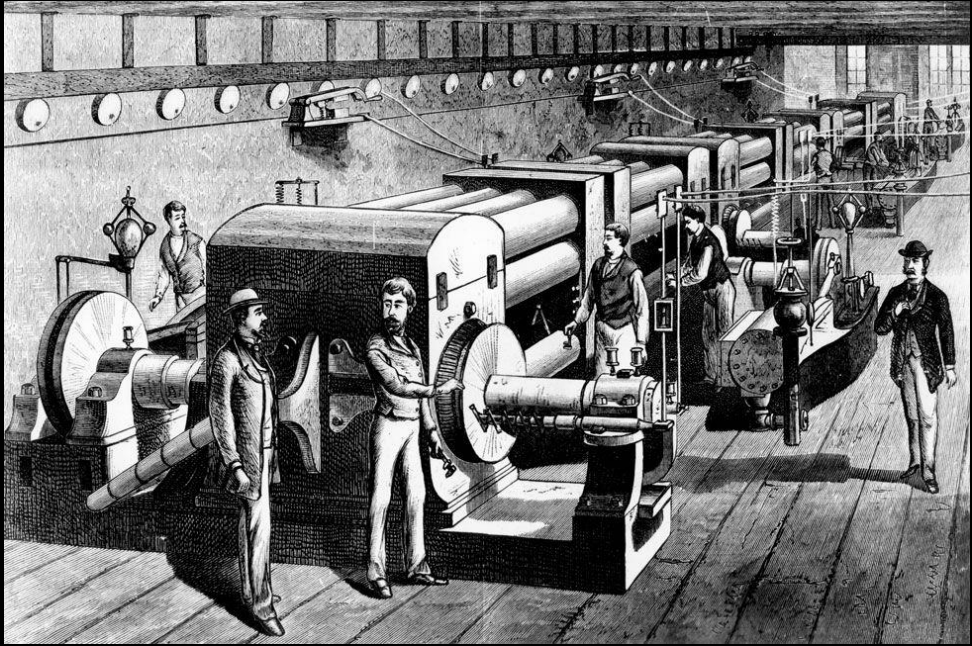


Humans augmented
with technology

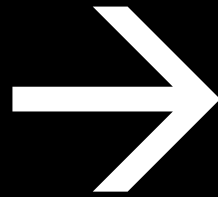
Technology augmented
with humans

Work &
business
processes
reimagined





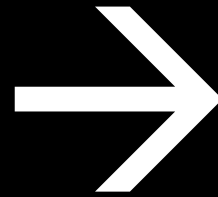
Steam
(single source)



Electricity
(distributed)

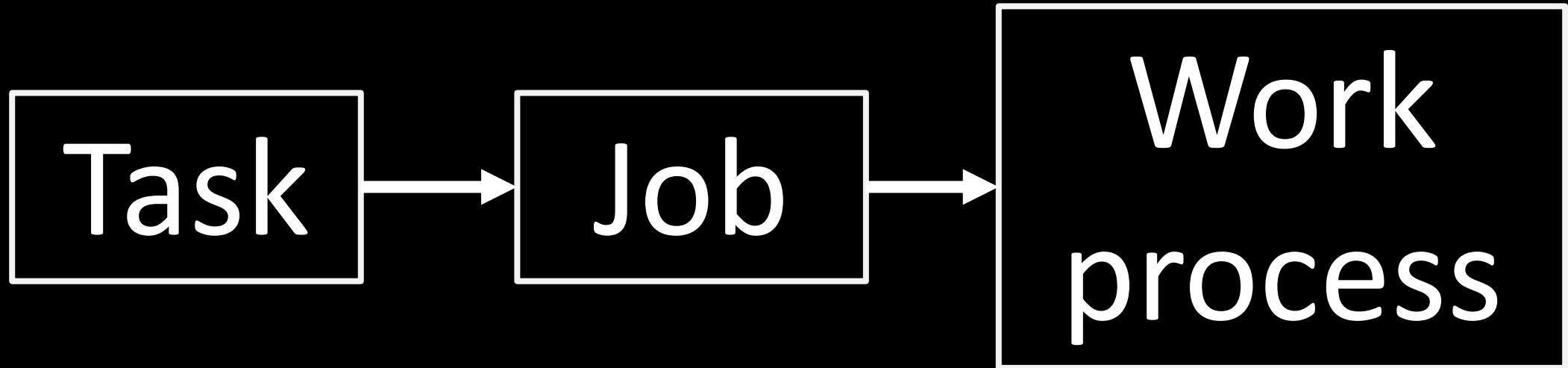


Warehouse
(people move around)

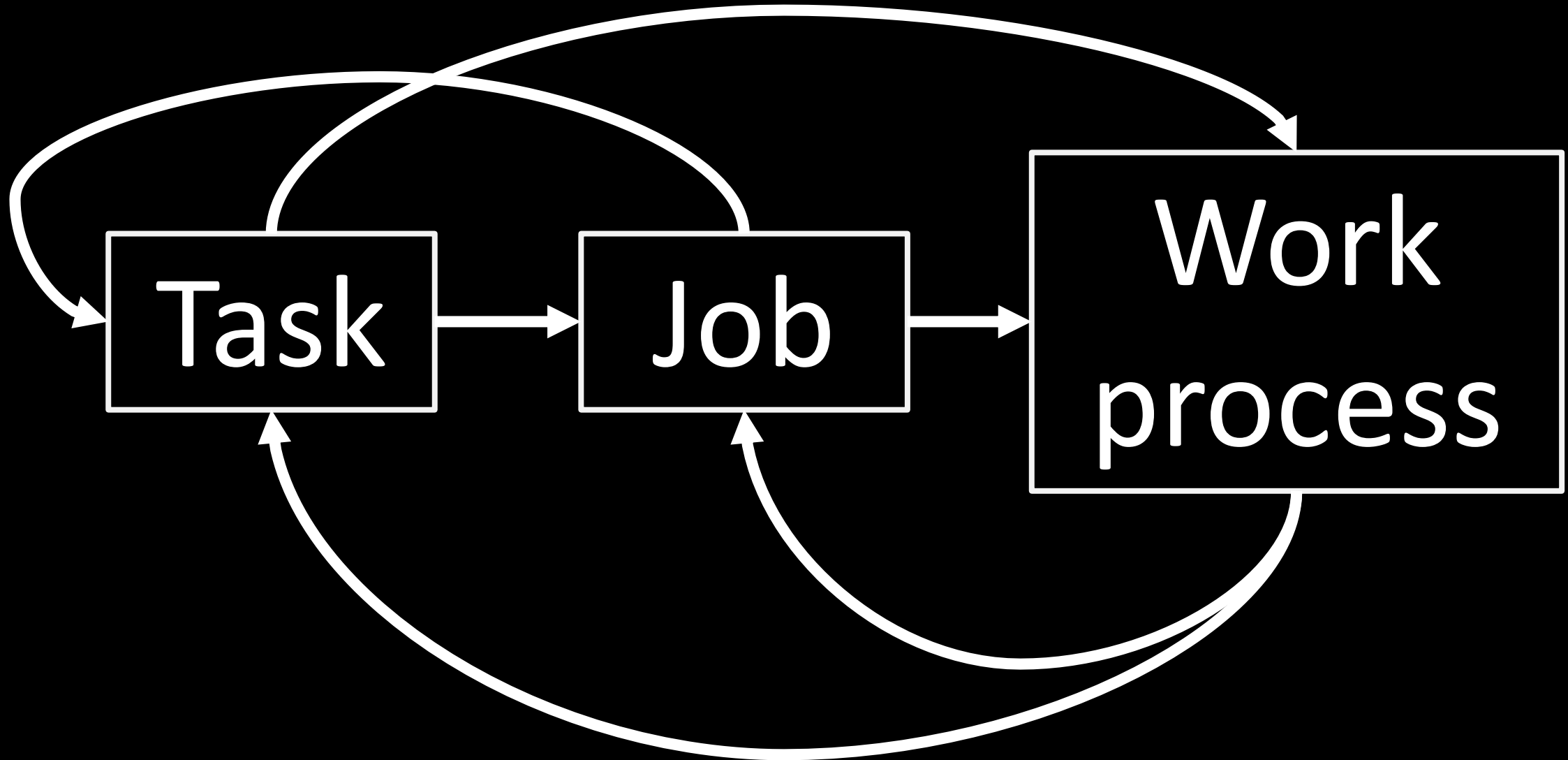


AI warehouse
(products move around)

Impacts of AI at work

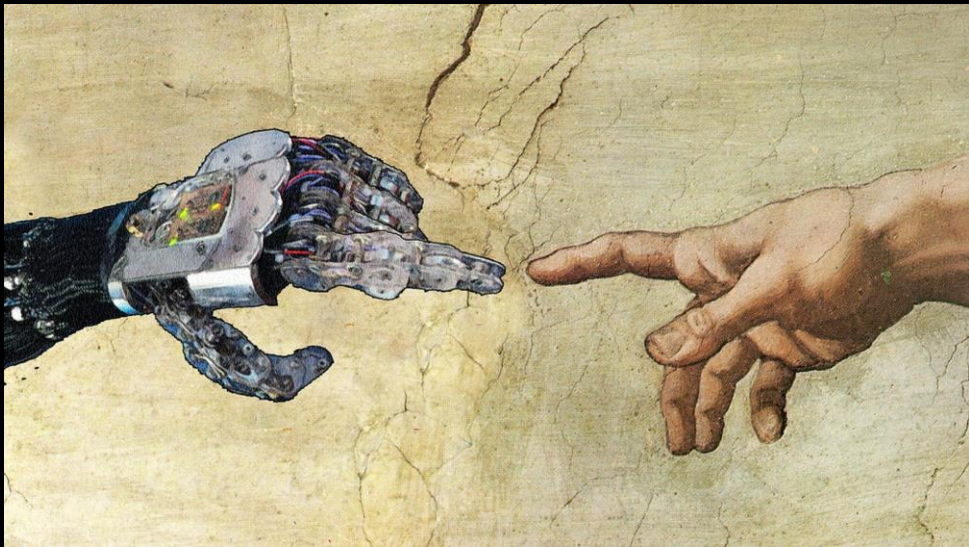


Impacts of AI at work



Impacts of AI at work

NOT job destruction but rather changes to the



job quality

work intensity

and autonomy



**Myths
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**Power and
progress**



“Progress is
never
automatic”

Our 1000-Year Struggle Over
Technology & Prosperity

POWER
AND
PROGRESS

DARON ACEMOGLU

Co-author of WHY NATIONS FAIL

SIMON JOHNSON

Co-author of 13 BANKERS

Innovation \neq Progress

Luddites = pro progress, not anti innovation



Historically innovation became progress when...

1. We alter the narrative and change norms
2. We cultivate countervailing powers
3. We develop progressive and informed policies

Historically innovation became progress when...

1. We alter the narrative and change norms
2. We cultivate countervailing powers
3. We develop progressive and informed policies

1. We alter the narrative and change norms

**AI to hit 40% of jobs and worsen
inequality, IMF says**

B B C

1. We alter the narrative and change norms



~~AI~~ to hit 40% of jobs and worsen inequality, IMF says **BBC**

The Guardian

AI is not a subject. AI neither does nor decides anything.

Whatever happens is because of decisions made by people, companies and institutions on how to use and deploy AI

Historically innovation became progress when...

1. We alter the narrative and change norms
2. We cultivate countervailing powers
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2. We cultivate countervailing powers

Opinion **Artificial intelligence**

Workers could be the ones to regulate AI

As tech titans and lawmakers argue, the Hollywood writers' strike has shown how employees can set the rules



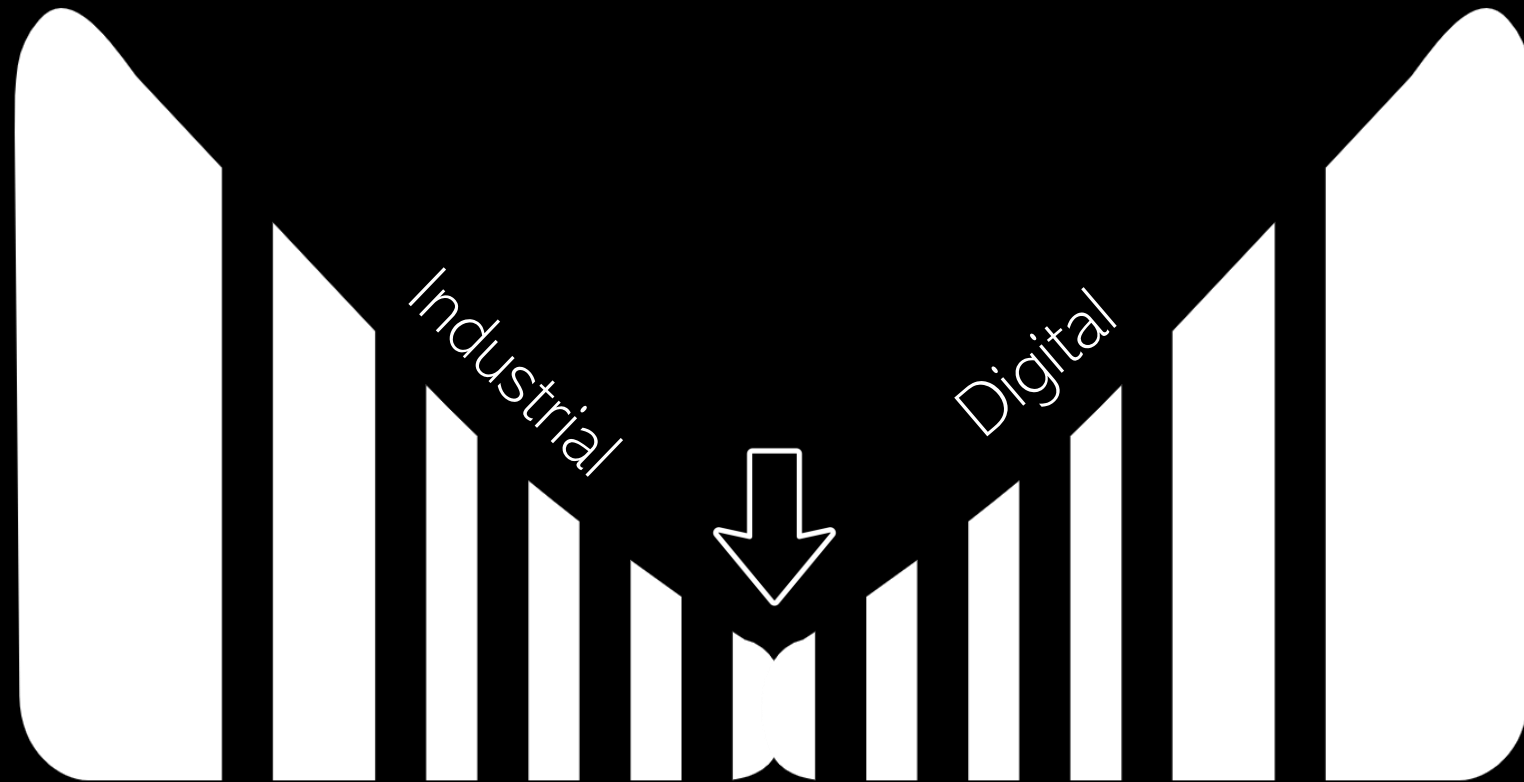
A deal that allows for AI as a tool, not a replacement

Could be a model for other industries

Historically innovation became progress when...

1. We alter the narrative and change norms
2. We cultivate countervailing powers
3. We develop progressive and informed policies

3. We develop progressive and informed policies



3. We develop progressive and informed policies



“Everything is going very quickly, but it won't be fast”

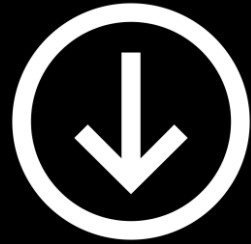
@Genis Roca

Will AI take my job?

~~Will AI take my job?~~



~~Will AI take my job?~~



What are we going to do
to guarantee that
AI deployment = progress?

“The future is not what
will happen, but what
we are going to do”

Jorge Luis Borges

Albert Cañigueral
acanyi@gmail.com