Managerski kongres

28. in 29. september 2017

ZDRUŽENJE MANAGER

POVEZOVANJE VODI DLJE

# Technology, Humanity and the Future of Collaboration

techvshuman.com

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gerdcloud.com

futuristgerd.com

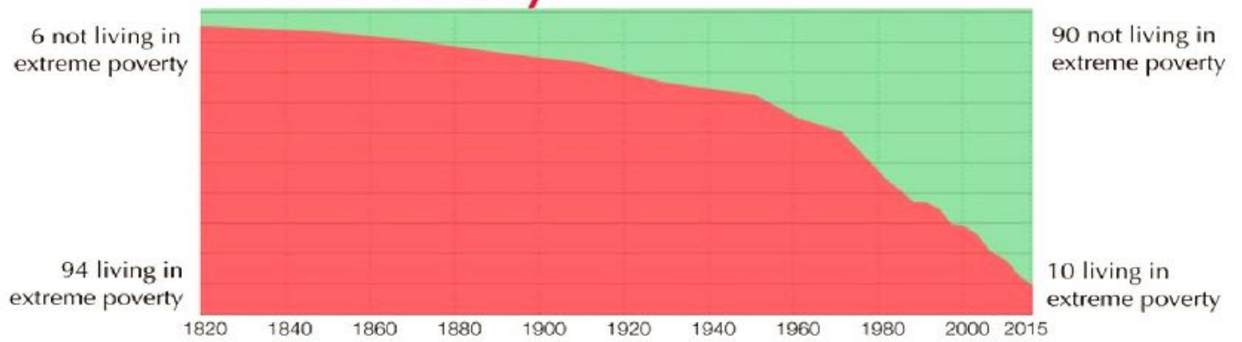
„IMAGINATION IS MORE IMPORTANT THAN KNOWLEDGE.“

ALBERT EINSTEIN

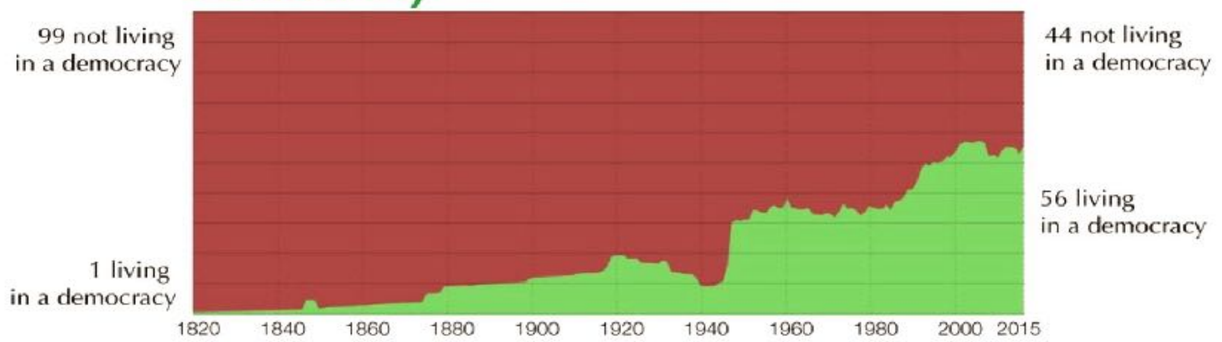
Gerd

# The future is better than we tend to think*

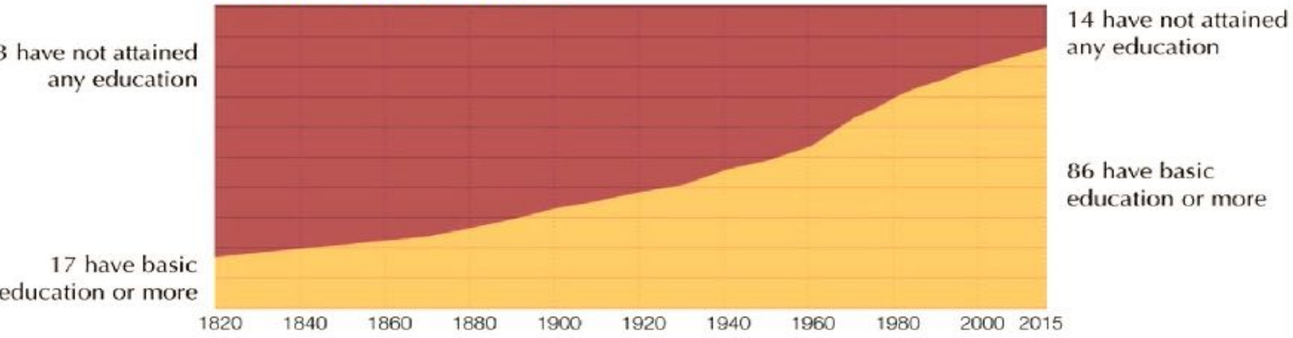
## Extreme Poverty




## Democracy

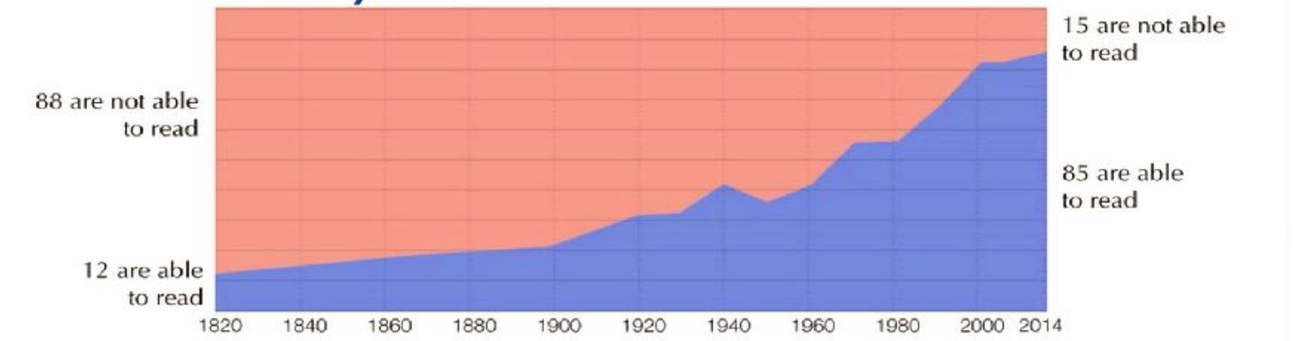



## Basic Education

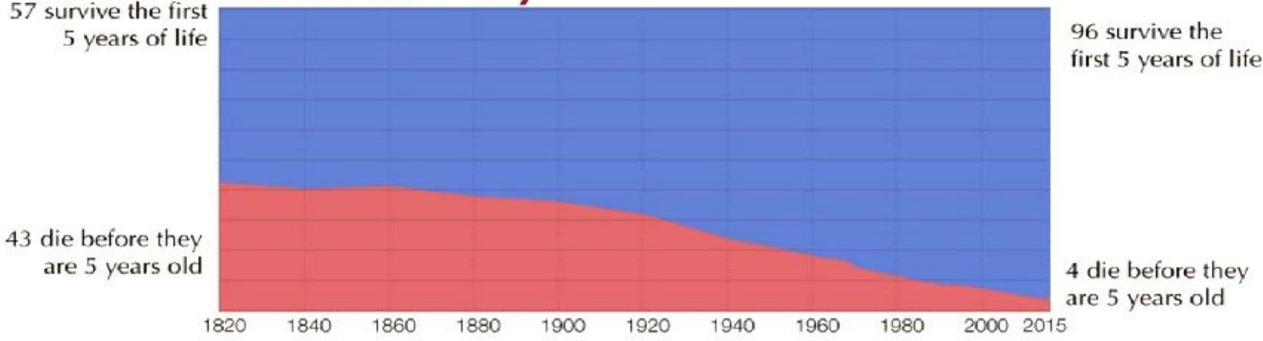



## Vaccination against diphtheria, pertussis (whooping cough), and tetanus

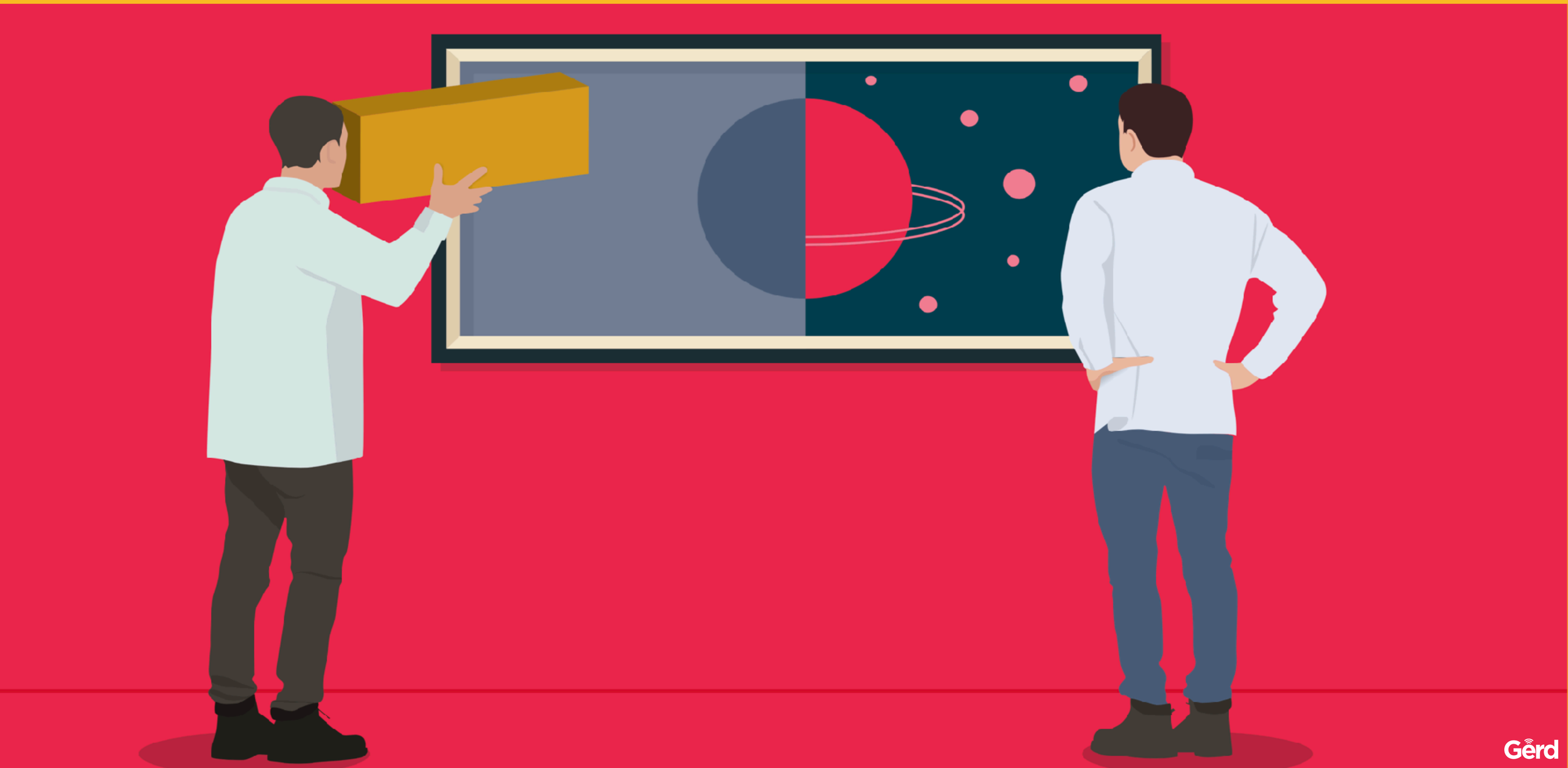
## Literacy




## Child Mortality



# Assume less – discover more!



# We're at the pivot point of exponential change

Sustainable capitalism

The end of oil (yes, really)

Intelligent machines: IA / AI

Smart-everything

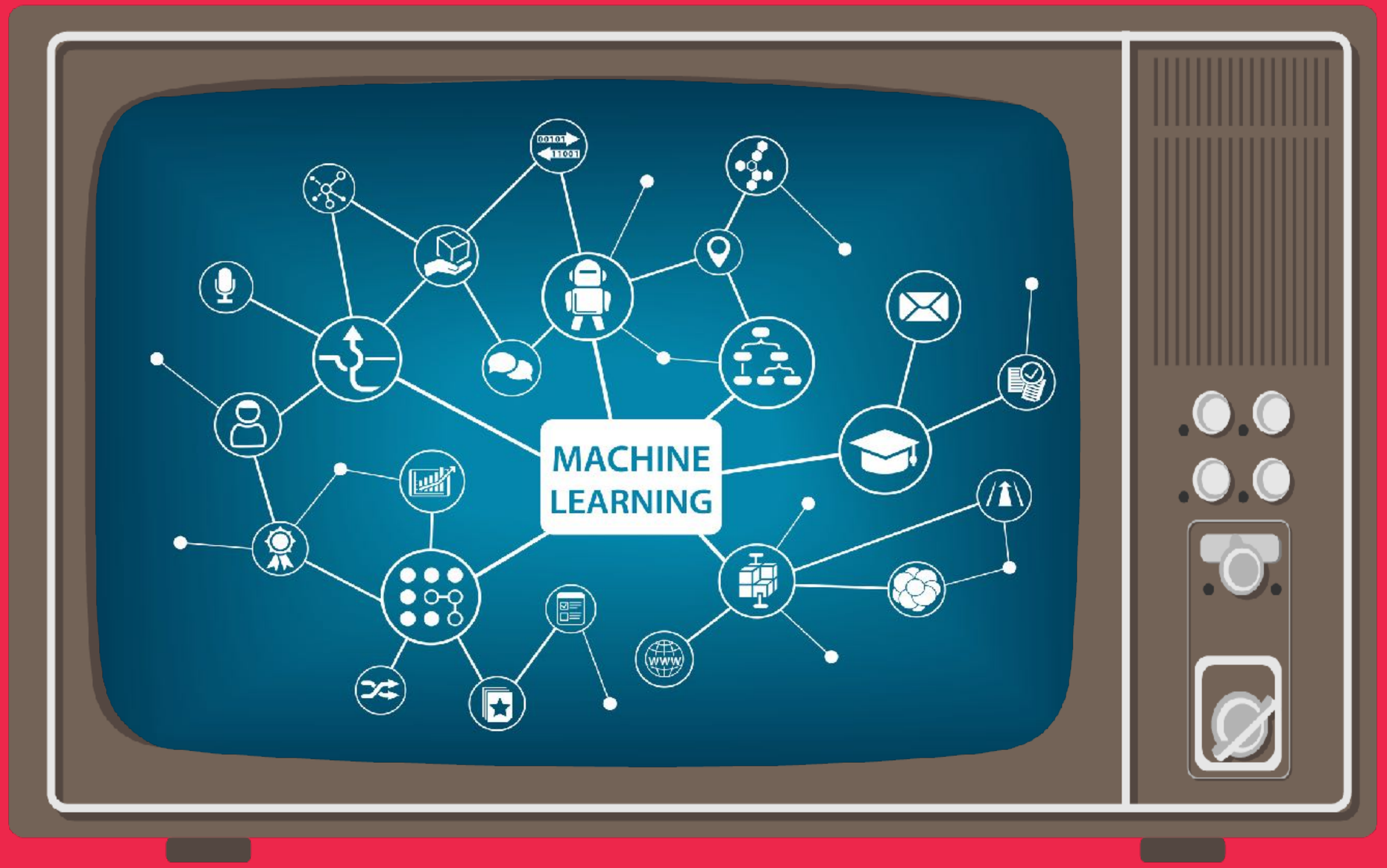
Data$^{X}$, The Internet of Things

Hyper-connectivity

1 2 **4** 8 16 32 64 128

# Game Changers

Gerd




# Game Changers

Gerd

# Game Changers

Gerd

# Game Changers

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# Exponential. Combinatorial. Interdependent.

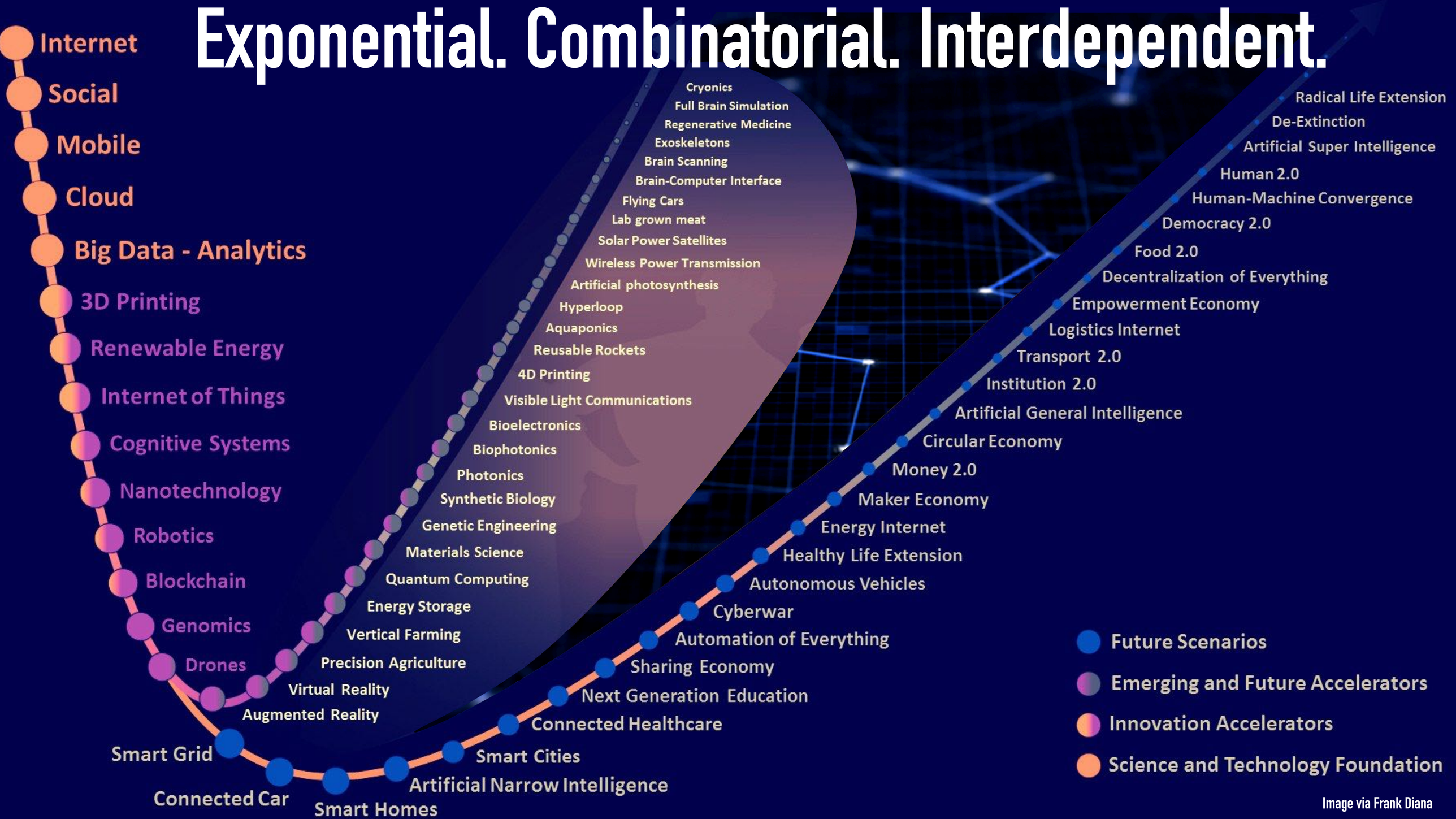


Image via Frank Diana

#hellven
H
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# Facebook's role in Trump's win is clear, no matter what Mark Zuckerberg says

Margaret Sullivan • Friday 8 September 2017 09:37 BST

The US president's campaign masterfully manipulated these messages. Truth was not a requirement.

Click to follow
Independent Voices

Mark Zuckerberg called suggestions that Facebook influenced the US presidential election, 'a pretty crazy idea' *Mark Zuckerberg/Facebook*

What a ridiculous notion, Mark Zuckerberg scoffed shortly after the election, that his social-media company - innocent, well-intentioned Facebook - could have helped Donald Trump's win.

# TECHNOLOGY HAS NO ETHICS

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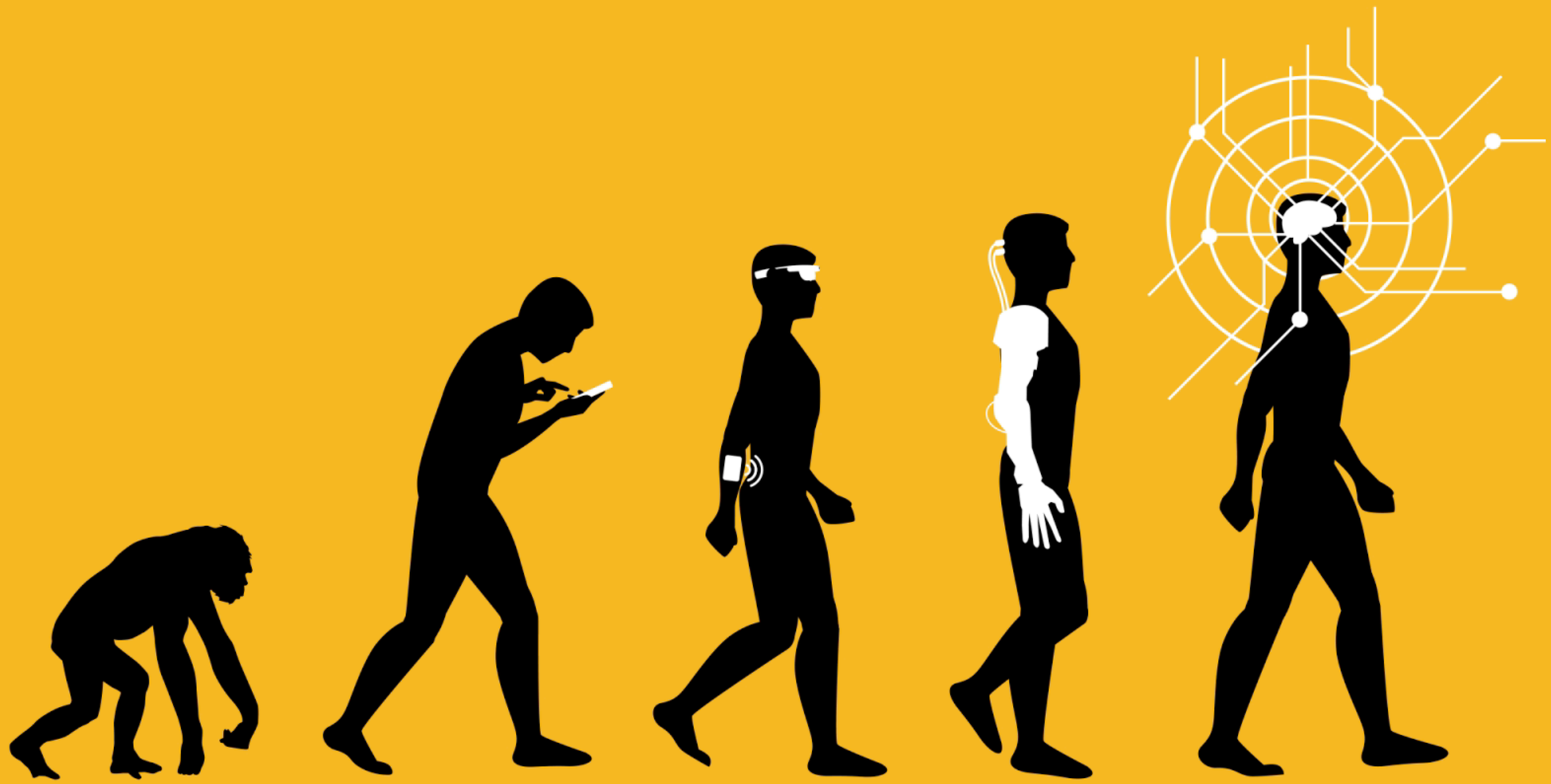
# Humanity will change more in the next 20 years than the previous 300 years

## How far is too far? What would you be willing to do to become ‘super-human’ ?



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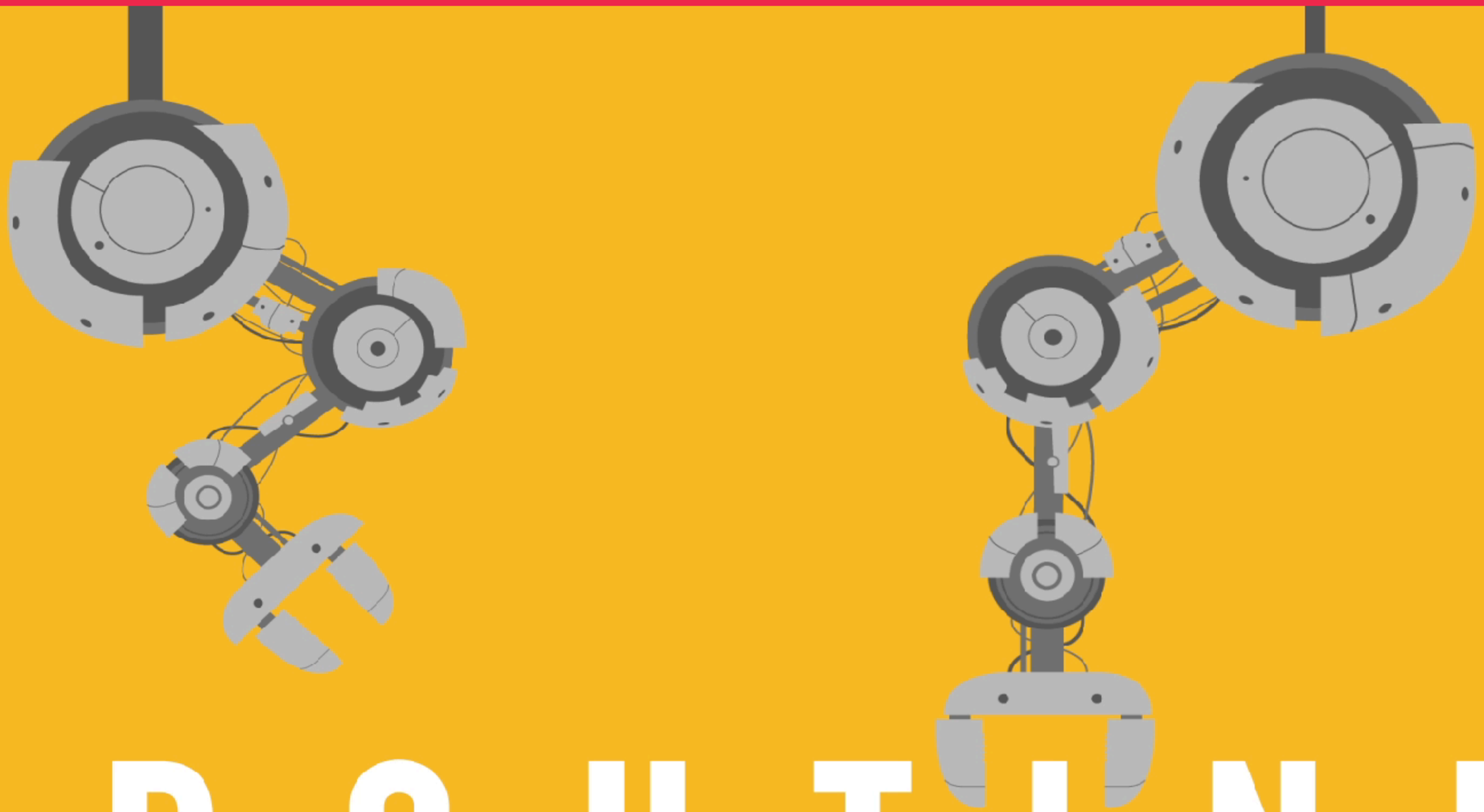
# Are you ready?

# Speaking to machines 'like speaking to a friend'

“By 2021 a disruptive tidal wave will begin. Solutions powered by AI/cognitive technology will displace jobs, with the biggest impact felt in transportation, logistics, customer service and consumer services,” Forrester’ Report 2017



# ROUTINE

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# “If you can describe your job it will be automated”

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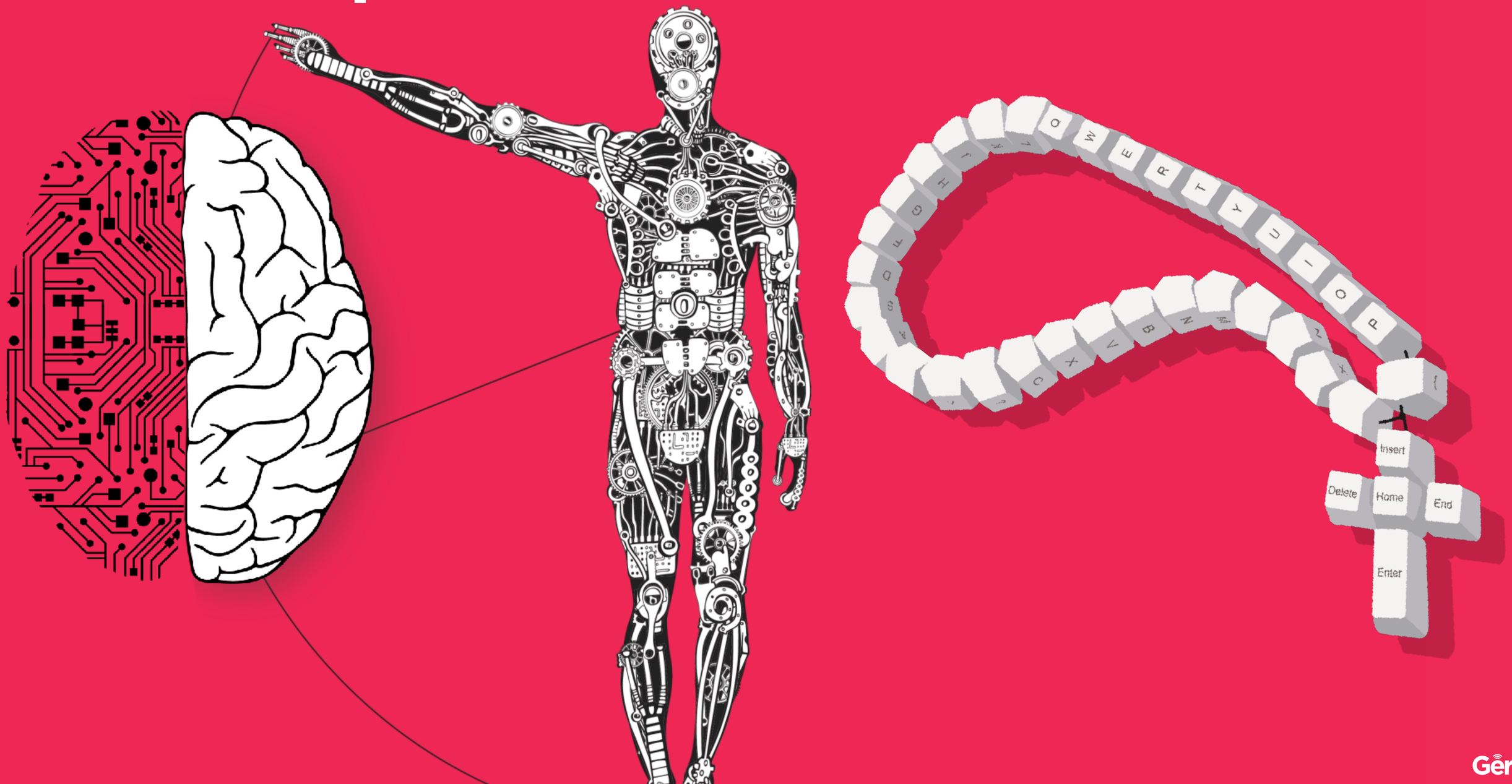
# How ‘computable’ are we (and our lives)?

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# Trust isn't digital, happiness is not a program, relationships are not 'code'

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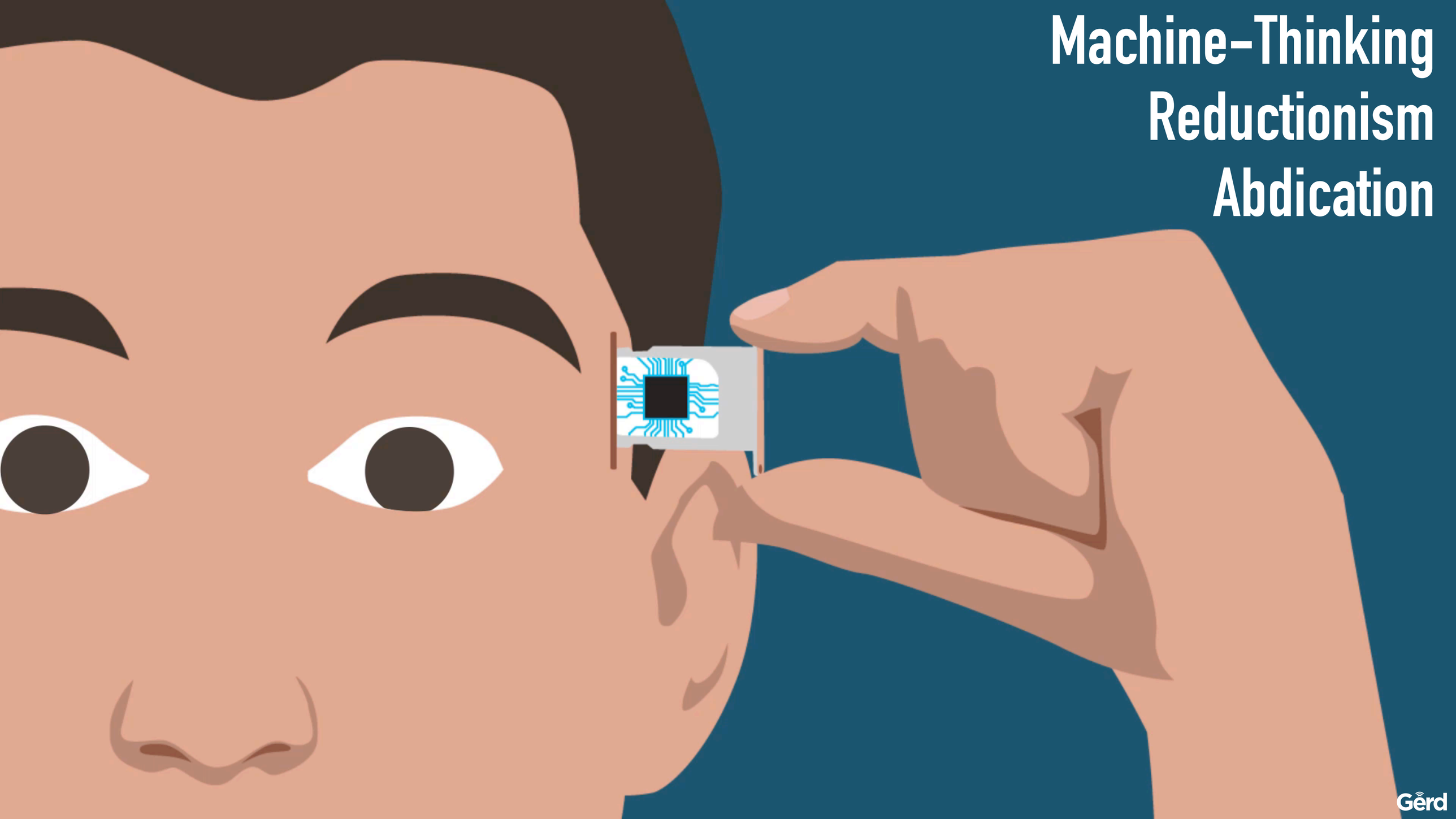
Machine-Thinking
Reductionism
Abdication
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# Connectivity is the new religion

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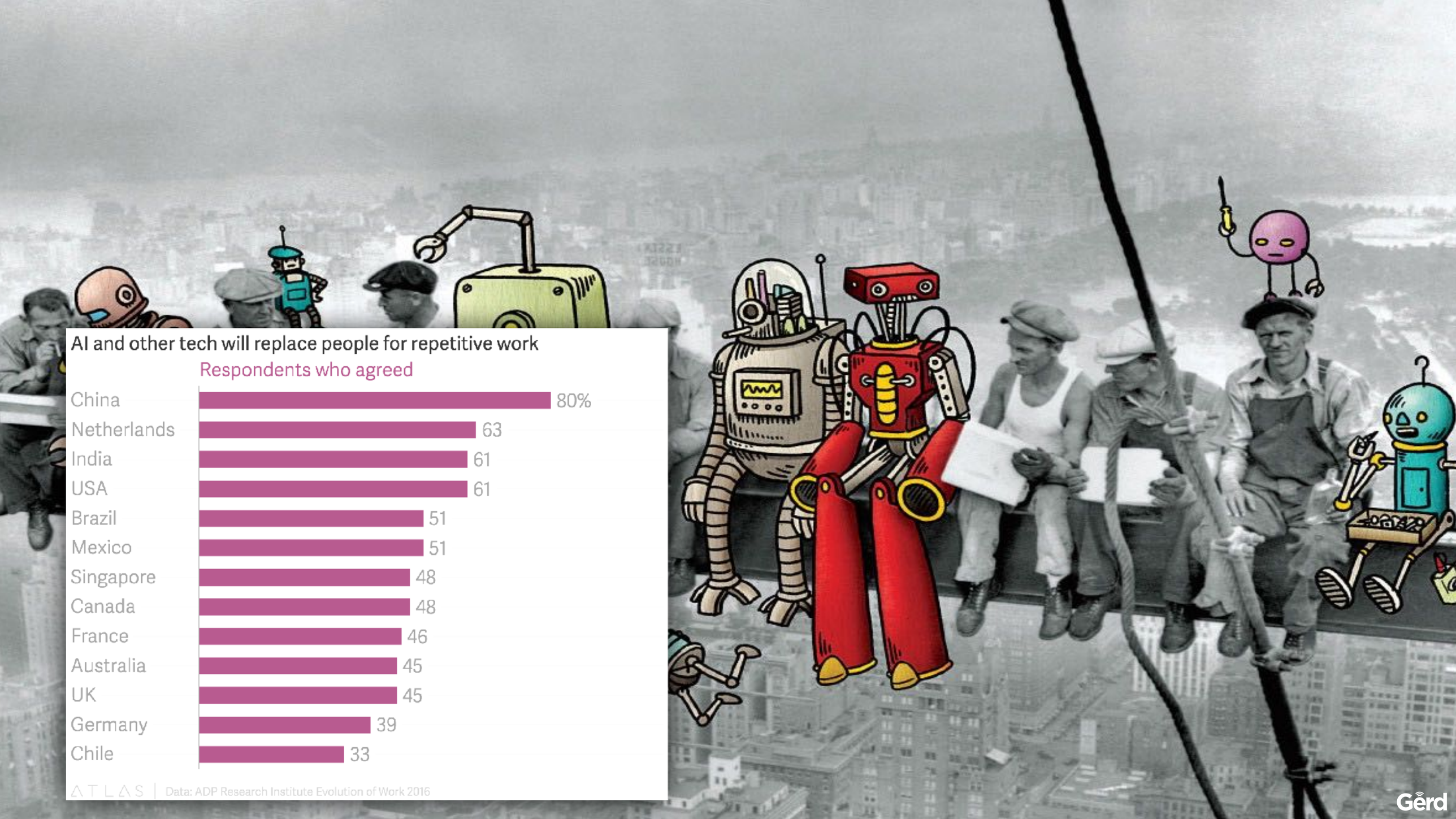
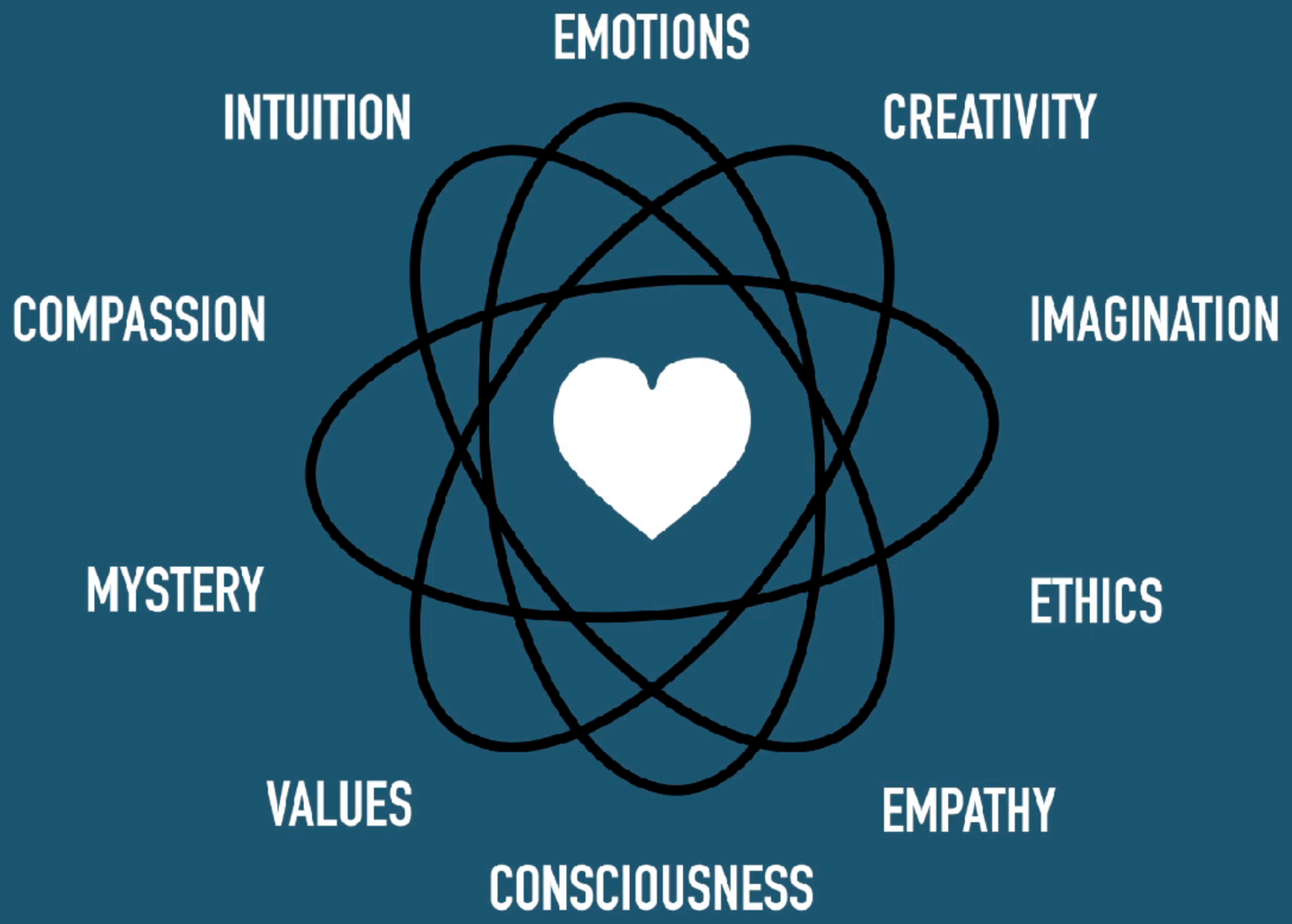

AI and other tech will replace people for repetitive work
Respondents who agreed
China 80%
Netherlands 63
India 61
USA 61
Brazil 51
Mexico 51
Singapore 48
Canada 48
France 46
Australia 45
UK 45
Germany 39
Chile 33
ATLAS | Data: ADP Research Institute Evolution of Work 2016

# Anything that can be digitized or automated, will be. . .

# Anything that cannot be digitized or automated will become much more valuable

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In a
world of total
connectivity and
intelligent machines,
human-to-human
interaction is more
valuable than ever
before

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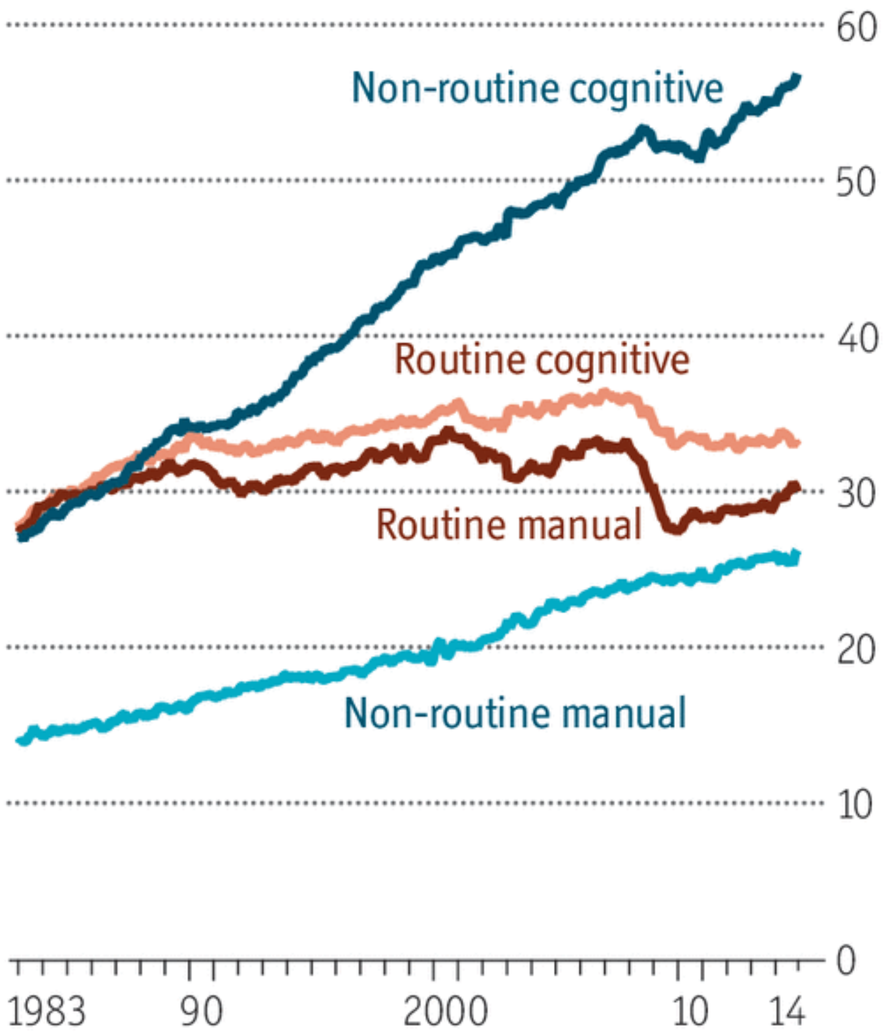
## Think

United States employment, by type of work, m




Sources: US Population Survey; Federal Reserve Bank of St. Louis

Economist.com

# 2020

1 Complex Problem Solving
2 Critical Thinking
3 Creativity
4 People Management
5 Coordinating with Others
6 Emotional Intelligence
7 Judgement and Decision Making
8 Service Orientation
9 Negotiation
10 Cognitive Flexibility

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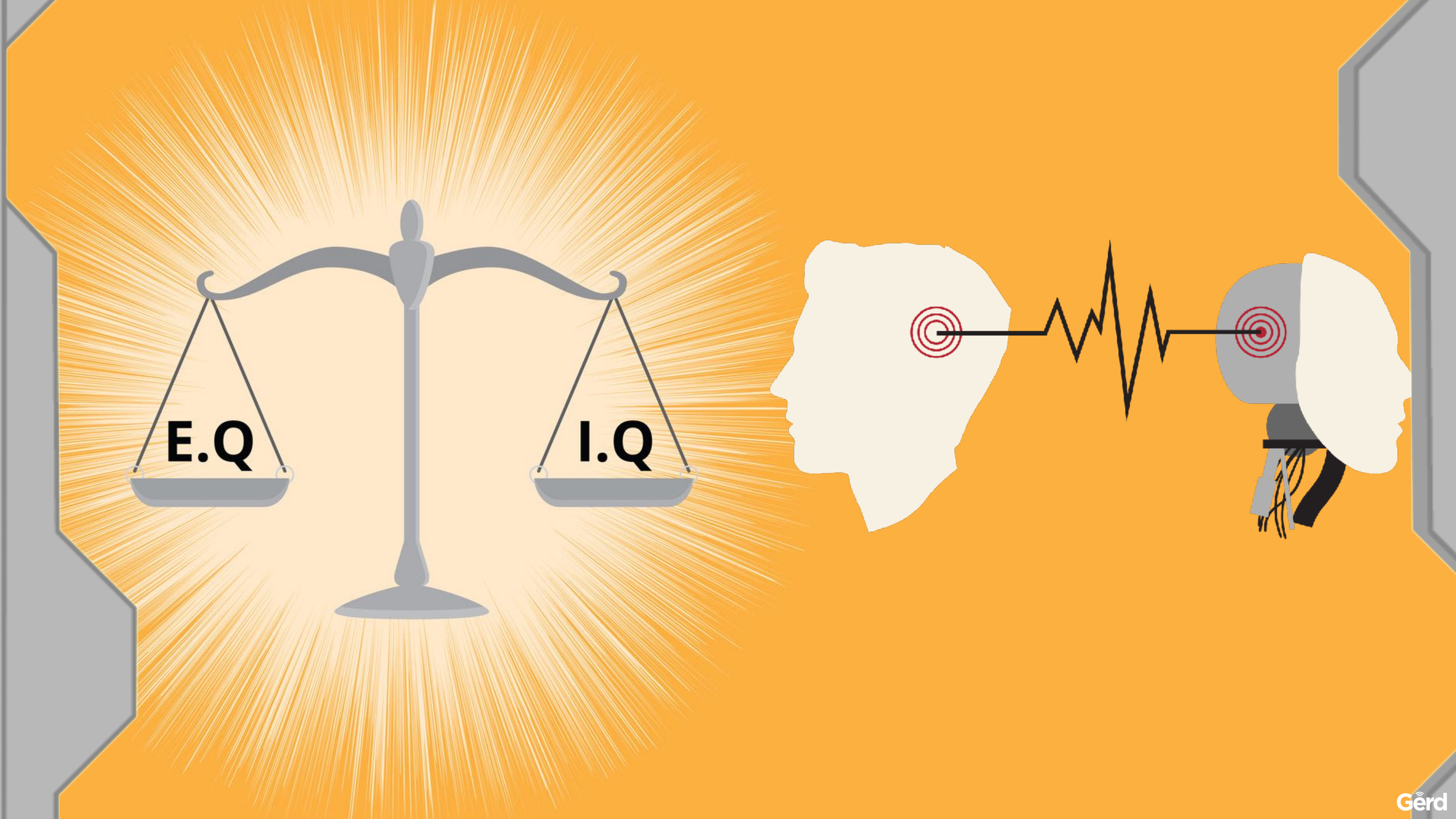
E.Q
I.Q

# The biggest challenge is not that machines will take over –but that we become too much like them!

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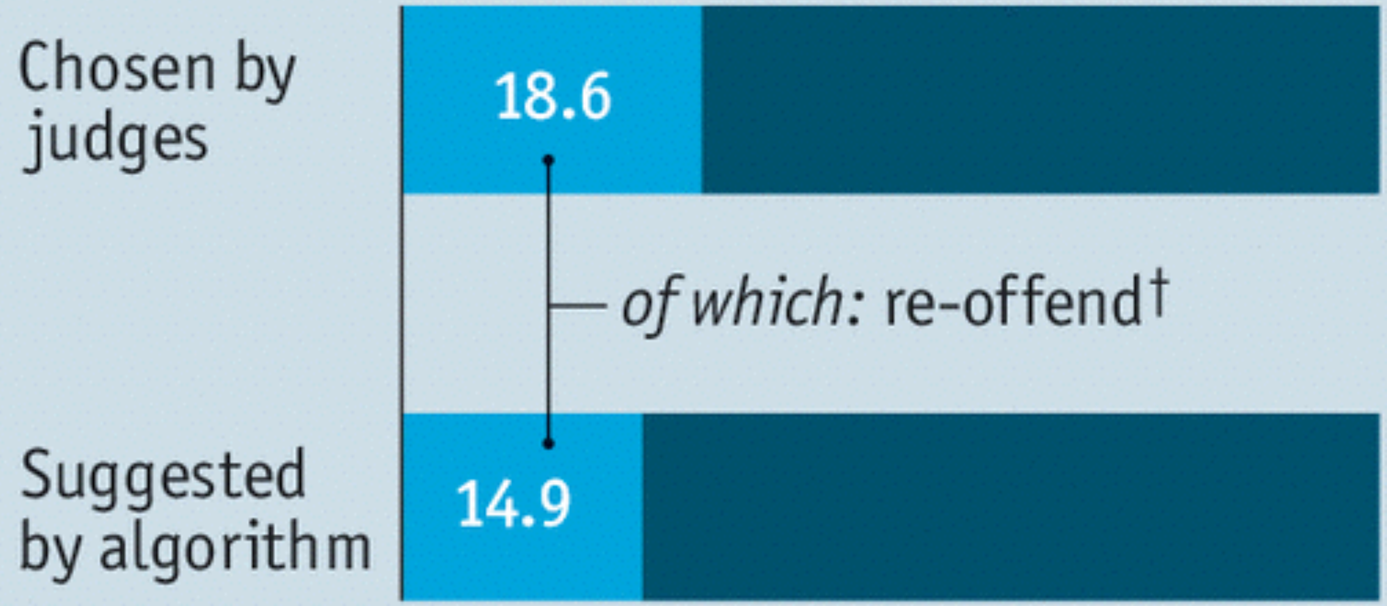
## His honour the machine

Prisoners released on bail*

%



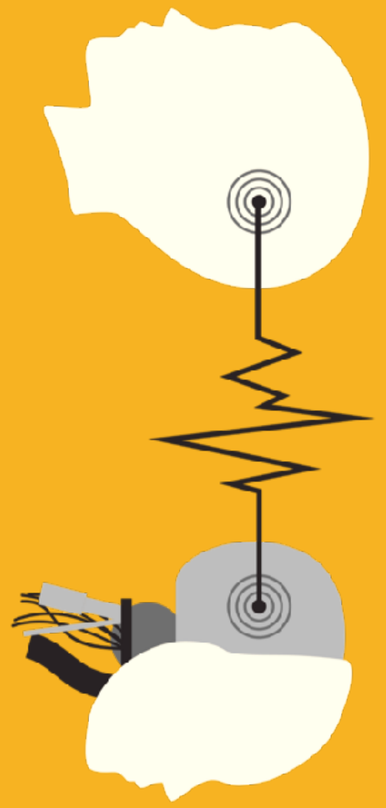

*From a representative sample of the US Department of Justice database 1990-2009

†Failure to appear in court and re-arrest before trial

Source: Jens Ludwig, University of Chicago

Economist.com

# (Wo)Man or Machine?



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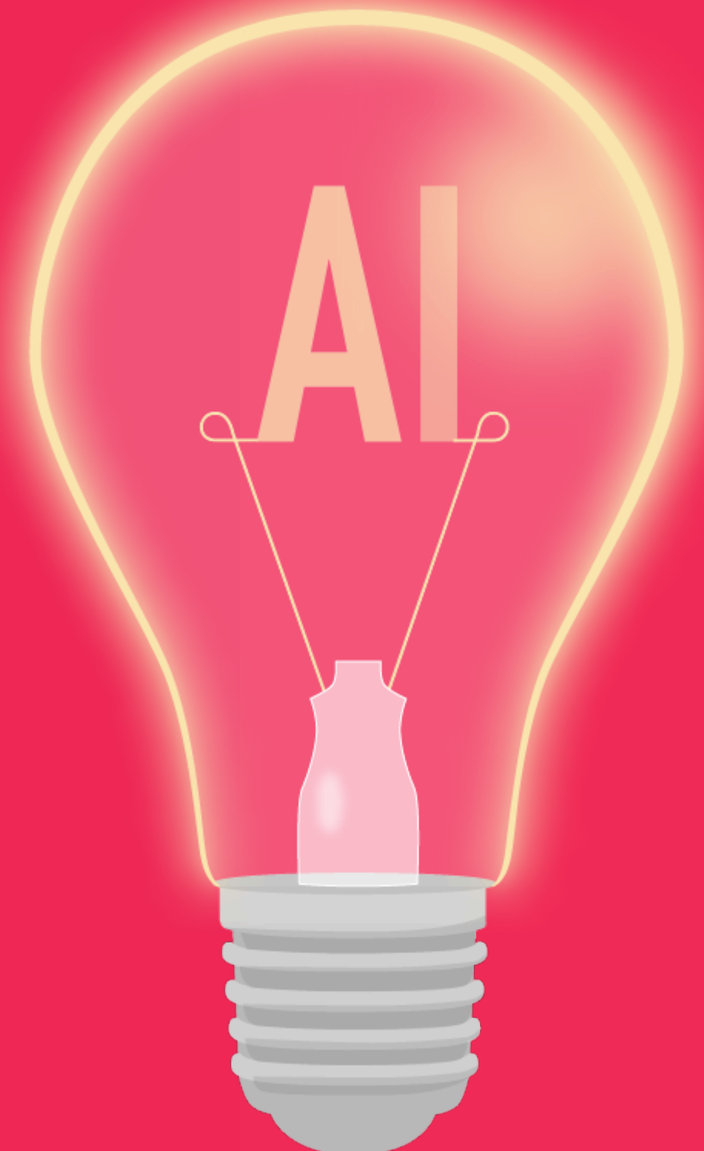
SEAL OF THE PRESIDENT OF THE UNITED STATES
E PLURIBUS UNU

# Data is the new oil, and AI is the new electricity

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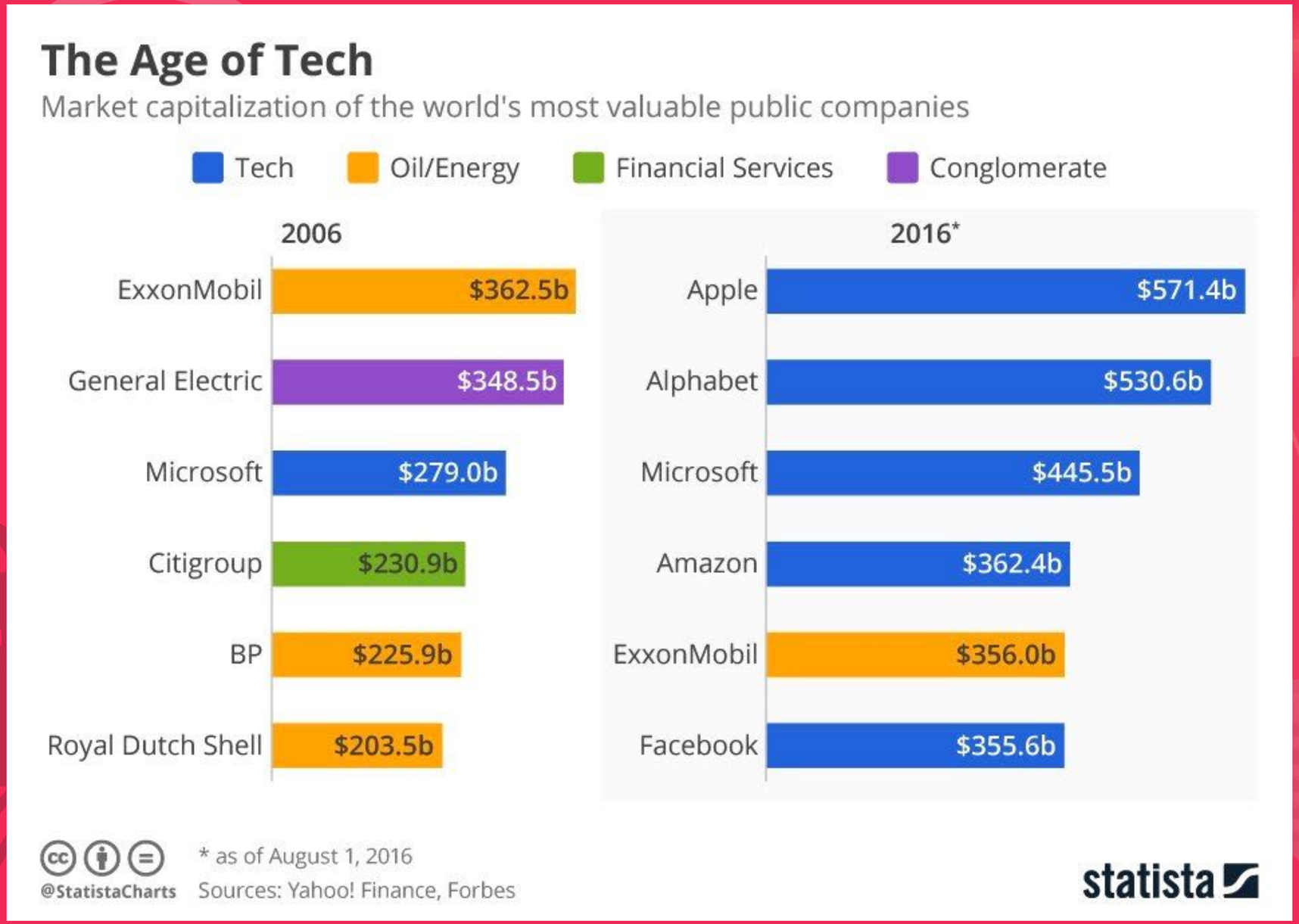
# Technology now has more power than oil or banking ever did: regulation is a certainty



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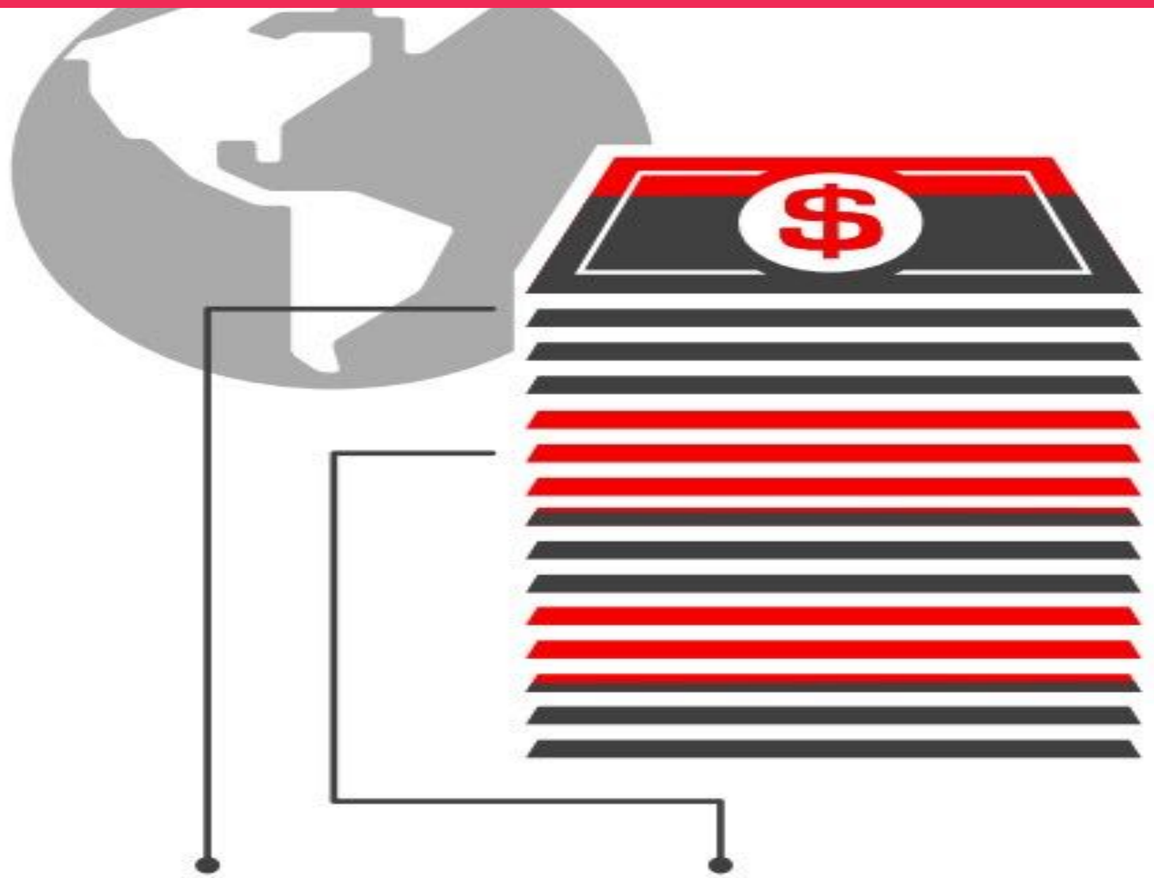

**$14.4 trillion[2]—**
**Est. value of the global Internet of Things market by 2022**

**$3.7 trillion**
from improved customer experience

**$3.0 trillion**
from reduced time to market

**$2.7 trillion**
in supply chain and logistics

**$2.5 trillion**
in reduced costs

**$2.5 trillion**
in increased employee productivity

Artificial Intelligence: “Computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages”

POSTINTELLIGENCE.AI BETA

Suggestions Insights Sponsored Content

# HI, I'm Pi, your intelligent social media assistant

I learn how to post like you and am here to help you up your social media game...

Take me for a spin

Get Started For Free

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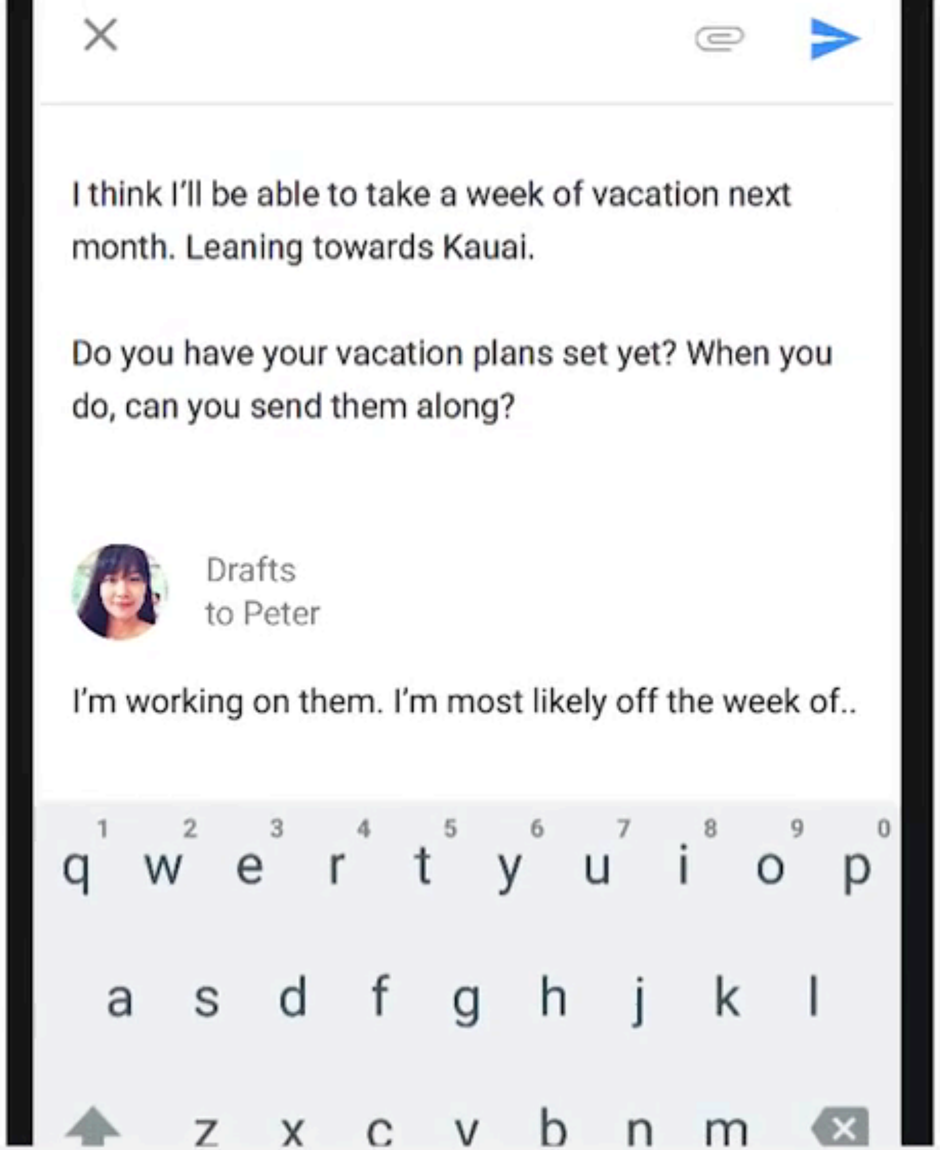
IGN NEWS

04.NOV.15



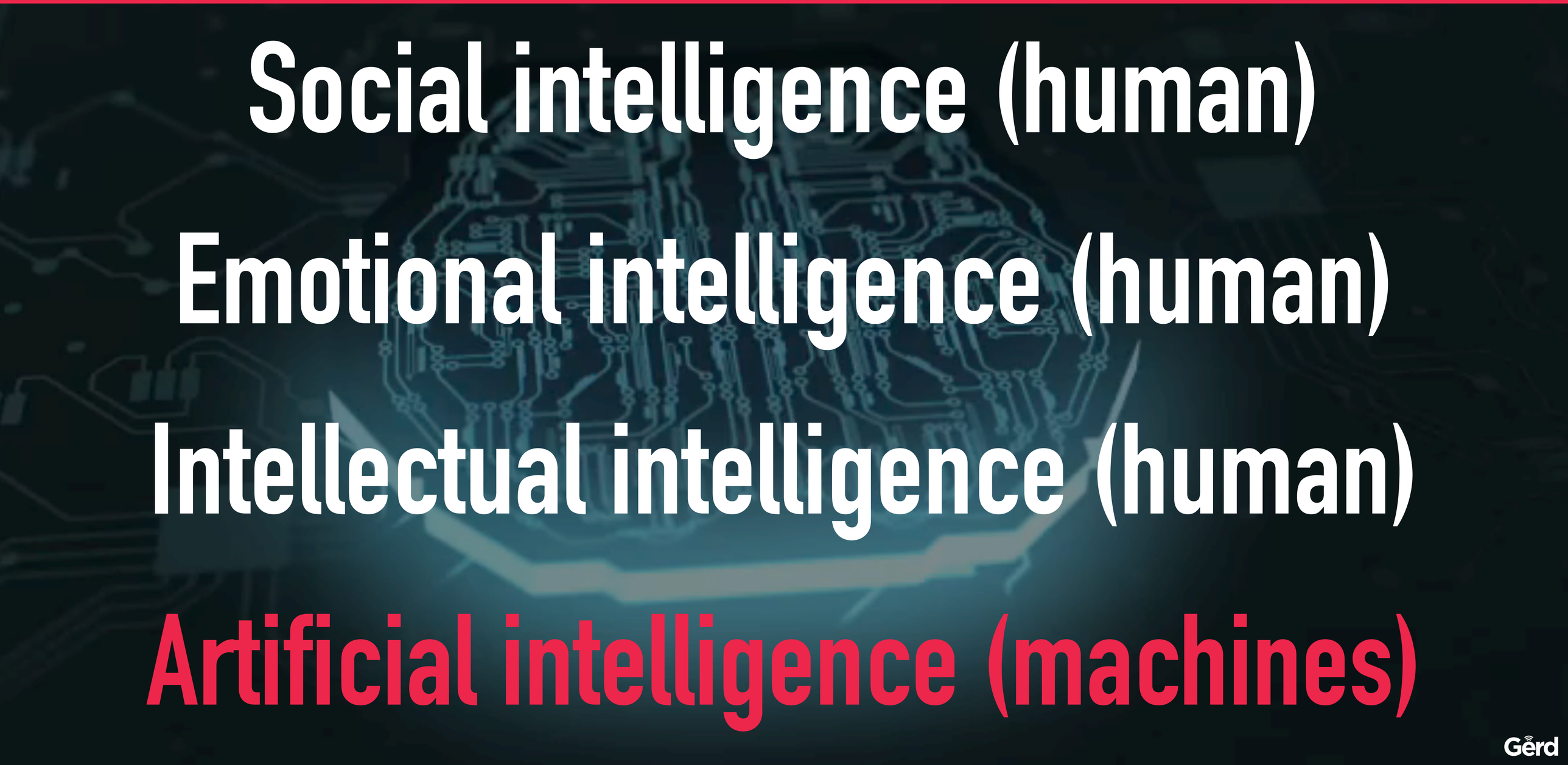

TECH NEWS

# GMAIL'S NEW AI WILL ANSWER YOUR EMAILS

Scans your emails and generates responses

Gerdi

# AI: Don't mistake a clear view for a short distance

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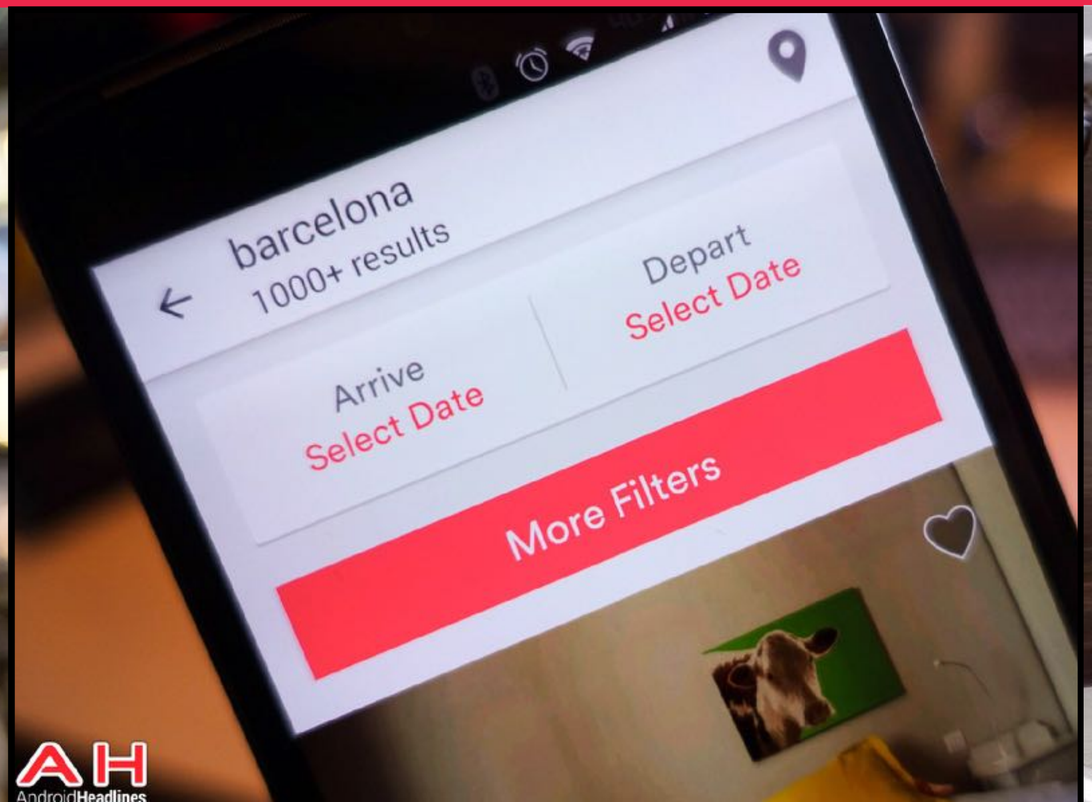
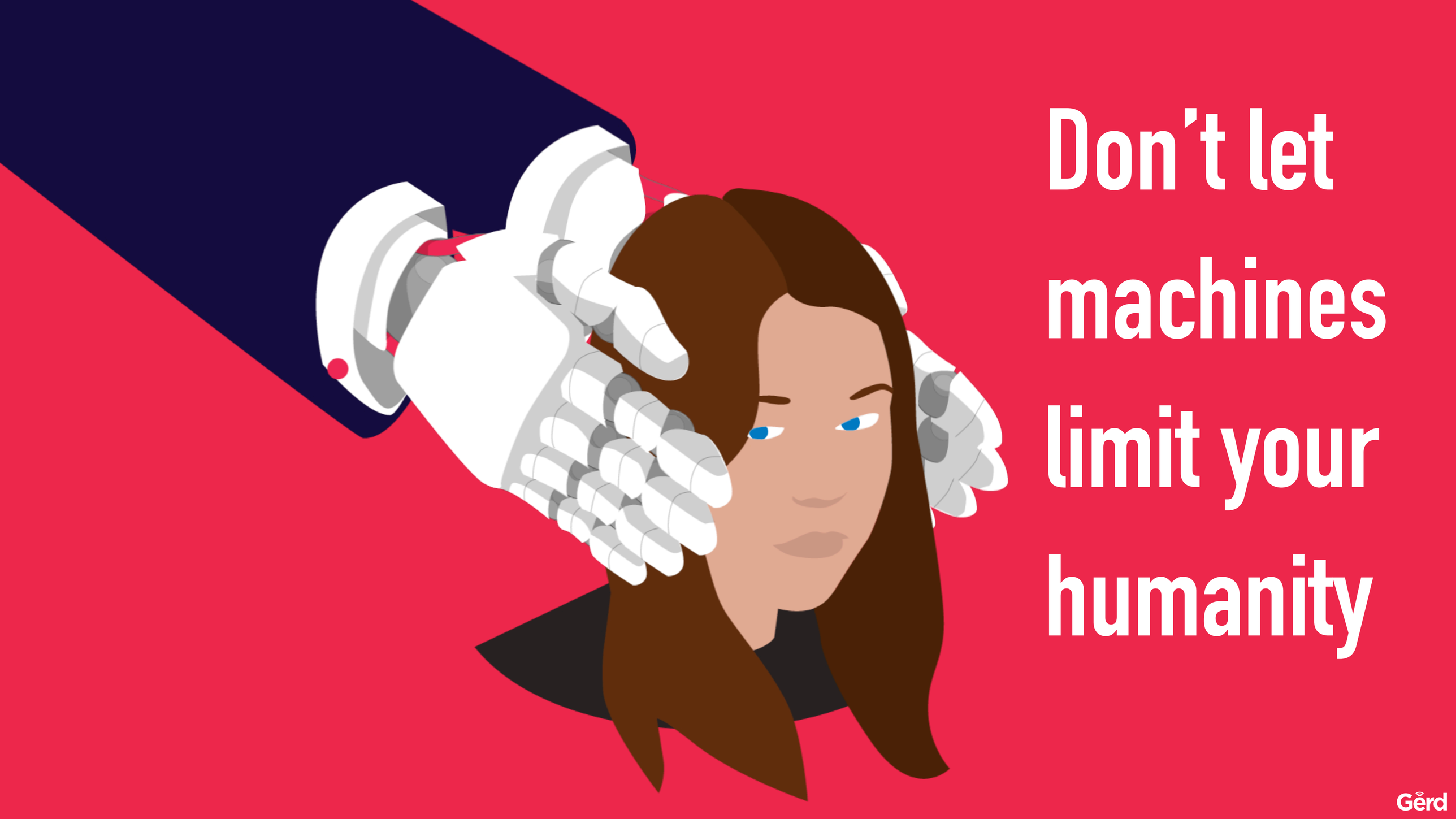
“Algorithms outperform human intelligence when it is **not** about understanding, mental or emotional states, intentions, interpretations, deep semantic skills, consciousness, self-awareness and flexible intelligence* (via Luciano Floridi)



# We know a lot more more than we can tell, and we can't automate what we don't understand (the Polanyi Paradox)


Don’t let
machines
limit your
humanity
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We cannot (should not) automate:

Trust

Emotional Intelligence

Context

Meaning

Relevance

Purpose

Relationships

i.e. Androrithms

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# Efficiency is only the 1st step!

The real goal is to use technology **to do new things**, not just make current things better

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Imagine

Develop Foresights

# Hyper-collaborate, don't hyper-compete

Understand

Observe

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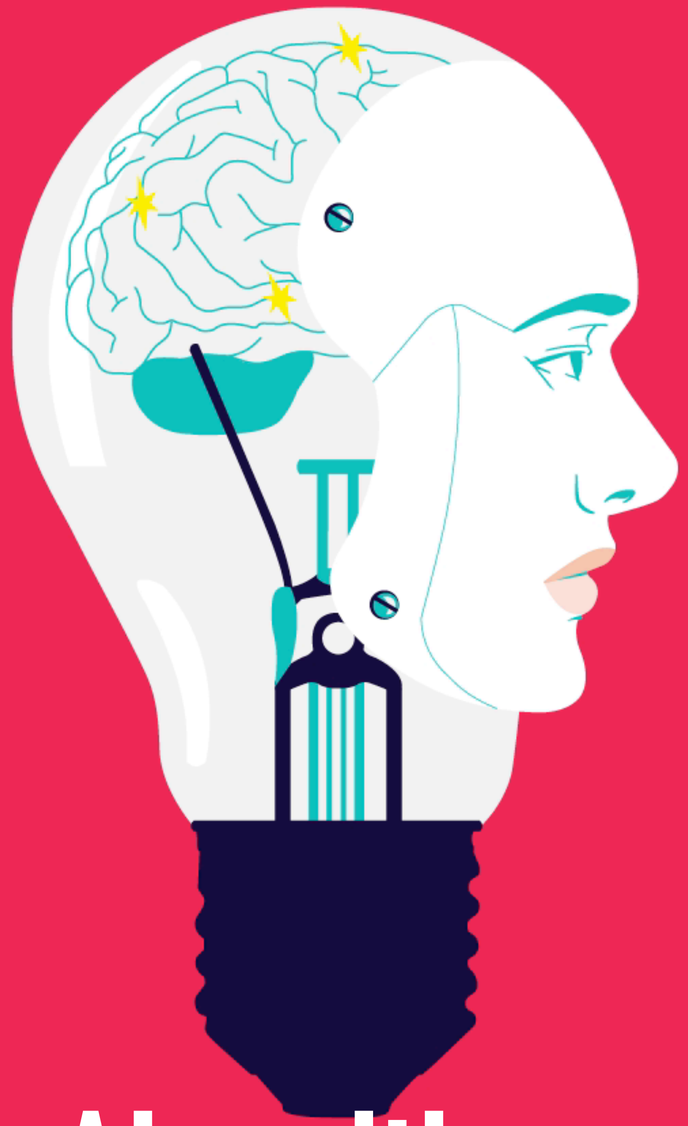
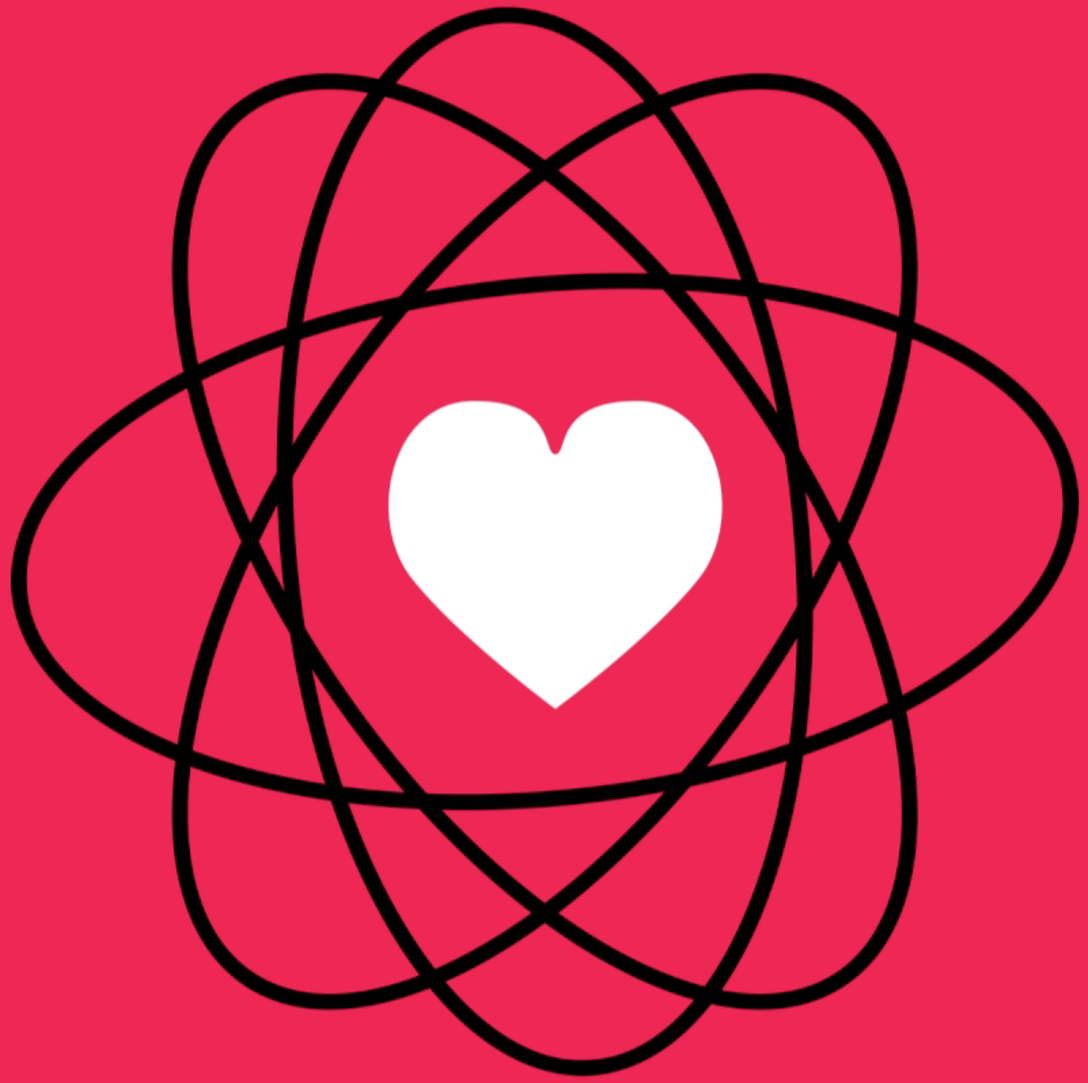
# Invest in both, equally



Algorithms



Androrithms

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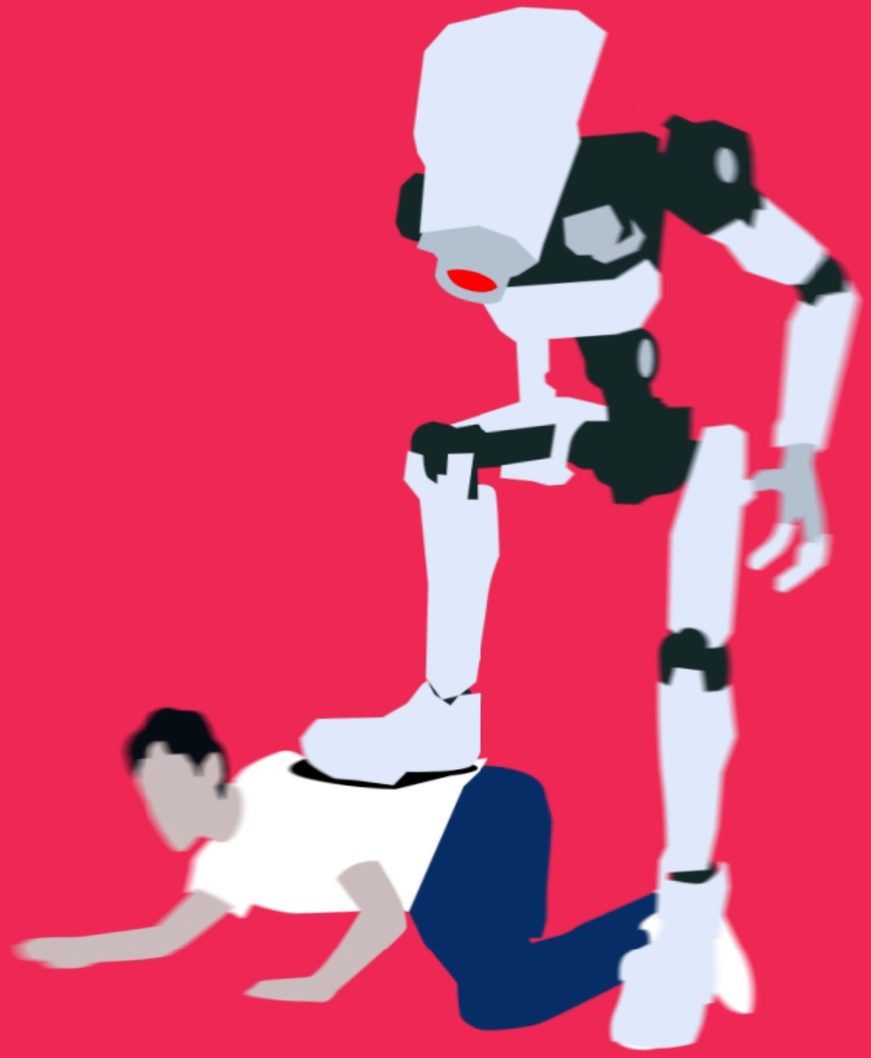


Being on

**Team**

**Human**

will be a key differentiator!

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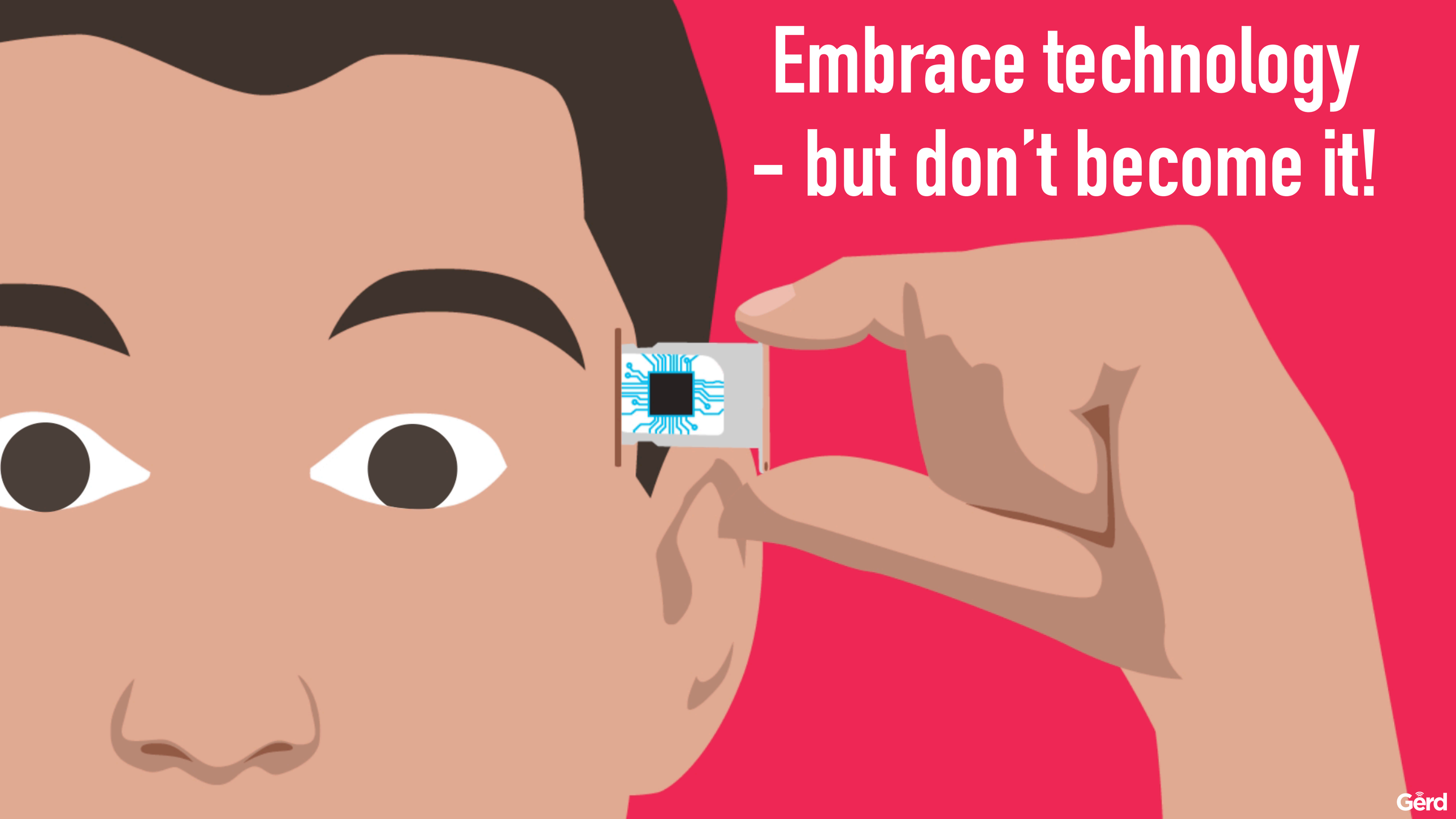
# Embrace technology – but don't become it!



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