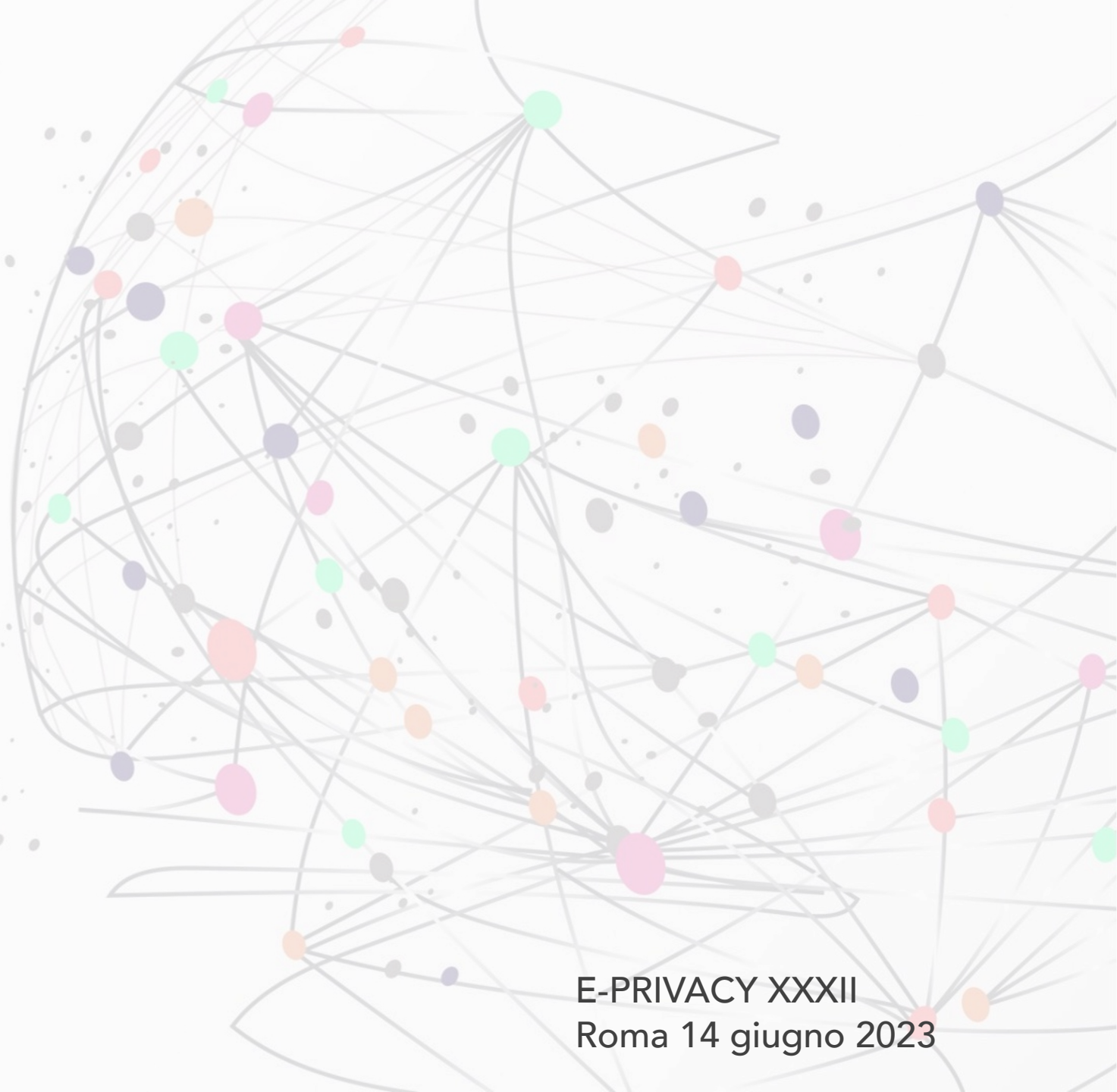
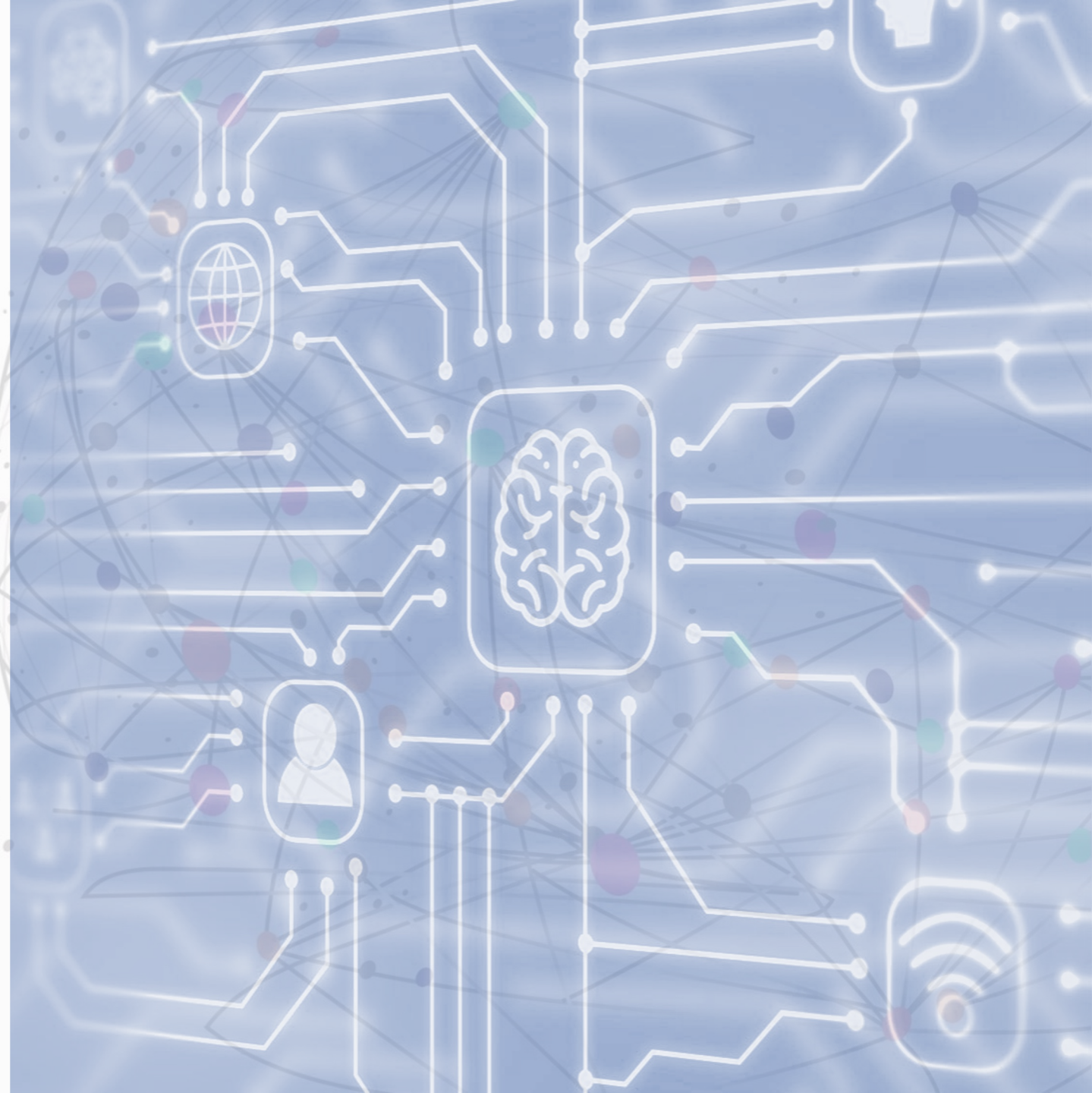


AI or not AI


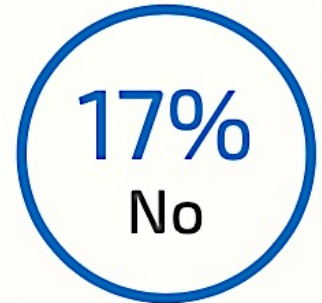
Non tutto ciò che sembra
Intelligenza Artificiale lo è, ma
sappiamo accorgercene?



- Quanto gli utenti conoscono l'AI?
- Quale AI suscita maggior attenzione nel pubblico?
- Ha senso una pausa di riflessione nello sviluppo dell'AI? [Spoiler: secondo me, sì]

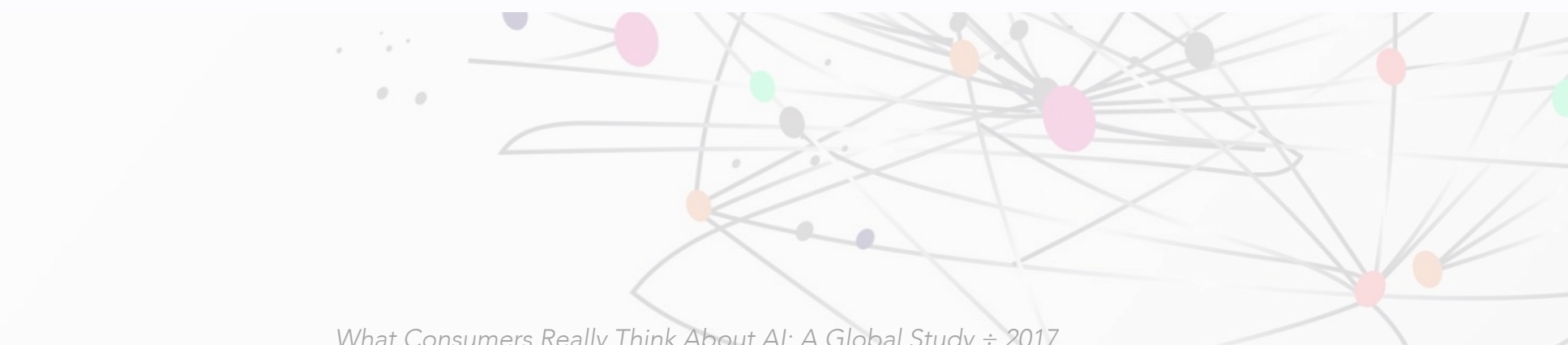


Do you understand what Artificial Intelligence is?

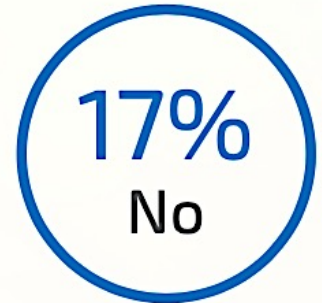


More than 70 percent of all respondents confidently said that they understand AI – one of the most complex and rapidly changing technologies in the world. However, the study reveals that many consumers couldn't even recognize some of AI's most basic tenets.

Consider that nearly half don't understand that AI solutions enable machines to learn new things, and even fewer don't know it can solve problems or understand speech. These abilities are at the core of the very definition of AI – even as that definition continues to shift.



Do you understand what Artificial Intelligence is?



Have you ever interacted with Artificial Intelligence technology?

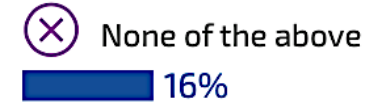
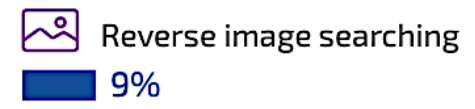
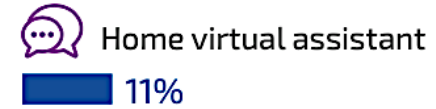
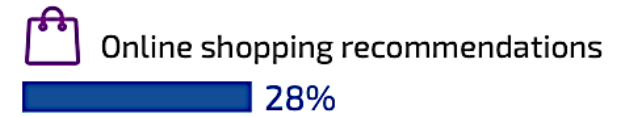
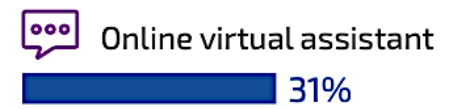
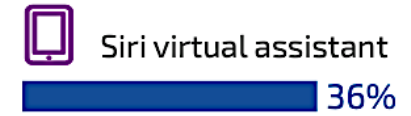
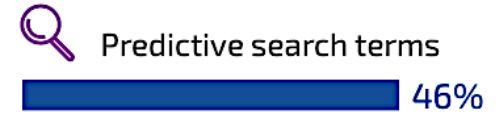


Percentage of consumers who use AI based on the devices/ services they said they actually use



Which of the following technologies have you used or encountered in the last year?*

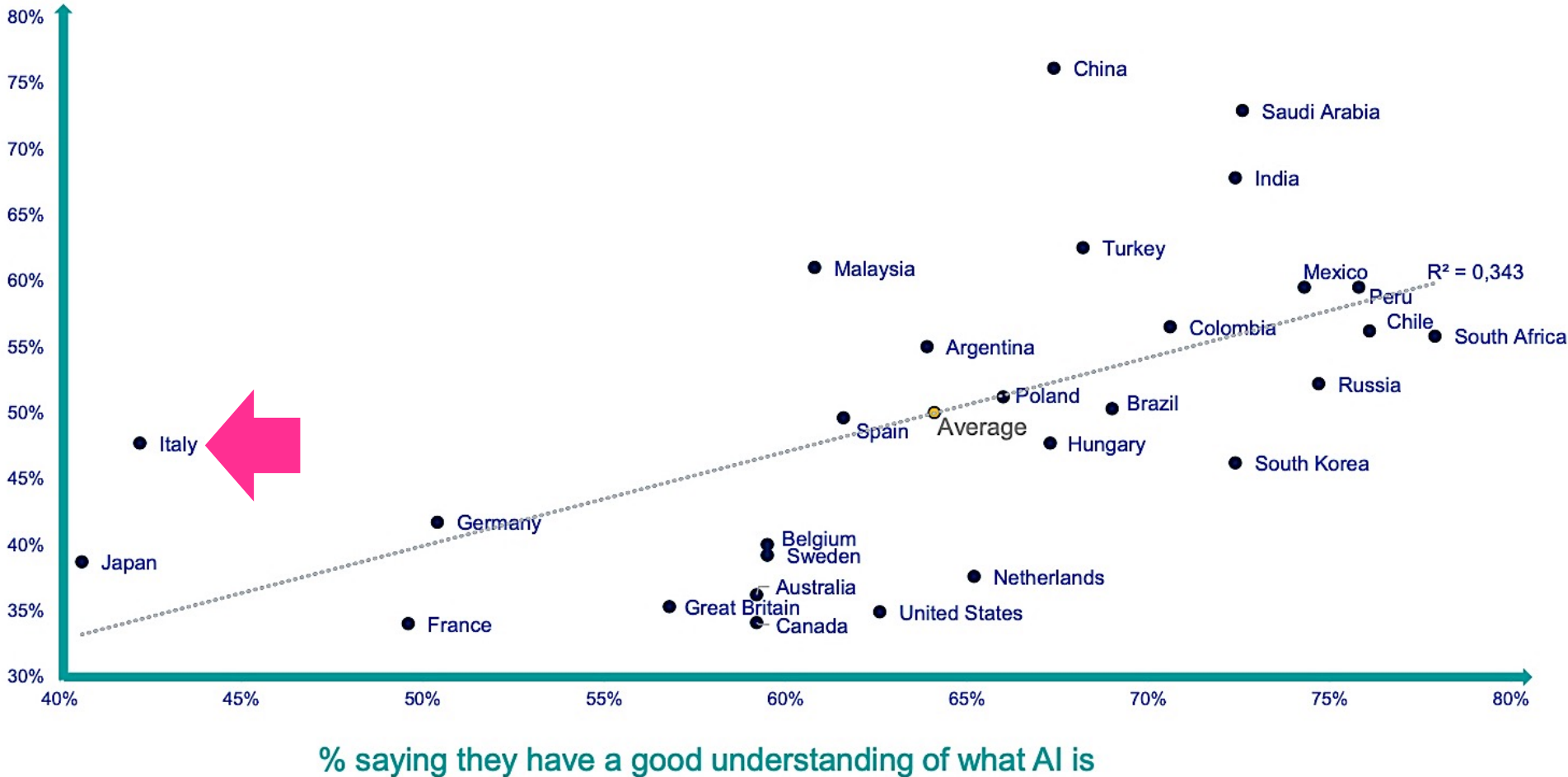
Check all that apply



*All use a form of AI

TRUST IN A.I. IS CORRELATED WITH PERCEIVED UNDERSTANDING; BOTH ARE HIGHER IN EMERGING COUNTRIES THAN IN HIGH-INCOME COUNTRIES

% saying they trust companies that use AI as much as other companies



Base: 19,504 online adults aged 16-74 across 28 countries, Nov.–Dec. 2021
 Online samples in Brazil, Chile, mainland China, Colombia, India, Malaysia, Mexico, Peru, Russia, Saudi Arabia, South Africa, and Turkey tend to be more urban, educated, and/or affluent than the general population.
 The "Global Country Average" reflects the average result for all the countries and markets where the survey was conducted. It has not been adjusted to the population size of each country or market and is not intended to suggest a total result.

Artificial Intelligence

- Ogni tecnica che consente ai computer di imitare l'intelligenza umana, attraverso la logica, gli alberi decisionali, il machine learning

Machine learning

- complesse tecniche statistiche che consentono "il miglioramento con l'esperienza"

Deep Learning

- Algoritmi che permettono al sw di "apprendere" a svolgere determinati compiti, come il riconoscimento del linguaggio o delle immagini, attraverso l'esposizione di reti neurali a più livelli a grandi quantità di dati

Grandi
quantità di
dati



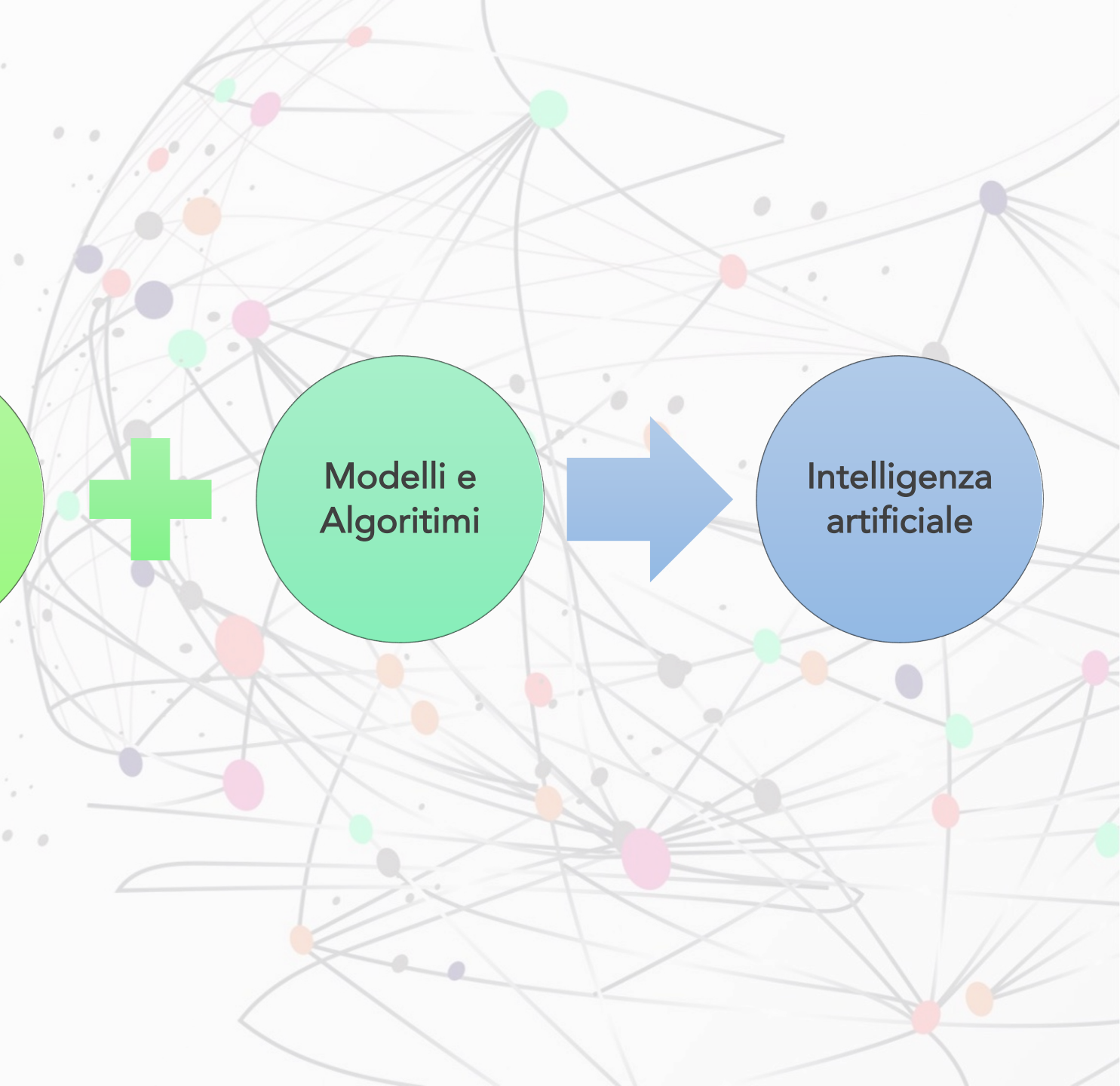
Capacità di
calcolo



Modelli e
Algoritmi



Intelligenza
artificiale



Artificial Narrow Intelligence (ANI)



Artificial General Intelligence (AGI)



Artificial Super Intelligence (ASI)



Stage - 1

Machine Learning

Specialises in one area and solves one problem



Siri



Alexa



Cortana

Stage - 2

Machine Intelligence

Refers to a computer that is as smart as a human across the board

Stage - 3

Machine Consciousness

An intellect that is much smarter than the best human brains in practically every field

data source: VaishaliAdvani & Greatlearningblog



Artificial Narrow Intelligence (ANI)

Assistenti vocali: Amazon Alexa, Google Assistant, Microsoft Cortana

Suggerimenti di ricerca Google, prodotti raccomandati Amazon, suggerimenti video Netflix

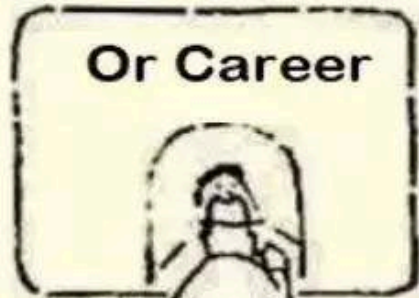
Le auto elettriche usano ANI per ottimizzare la ricarica e per altri compiti

Filtri antispam

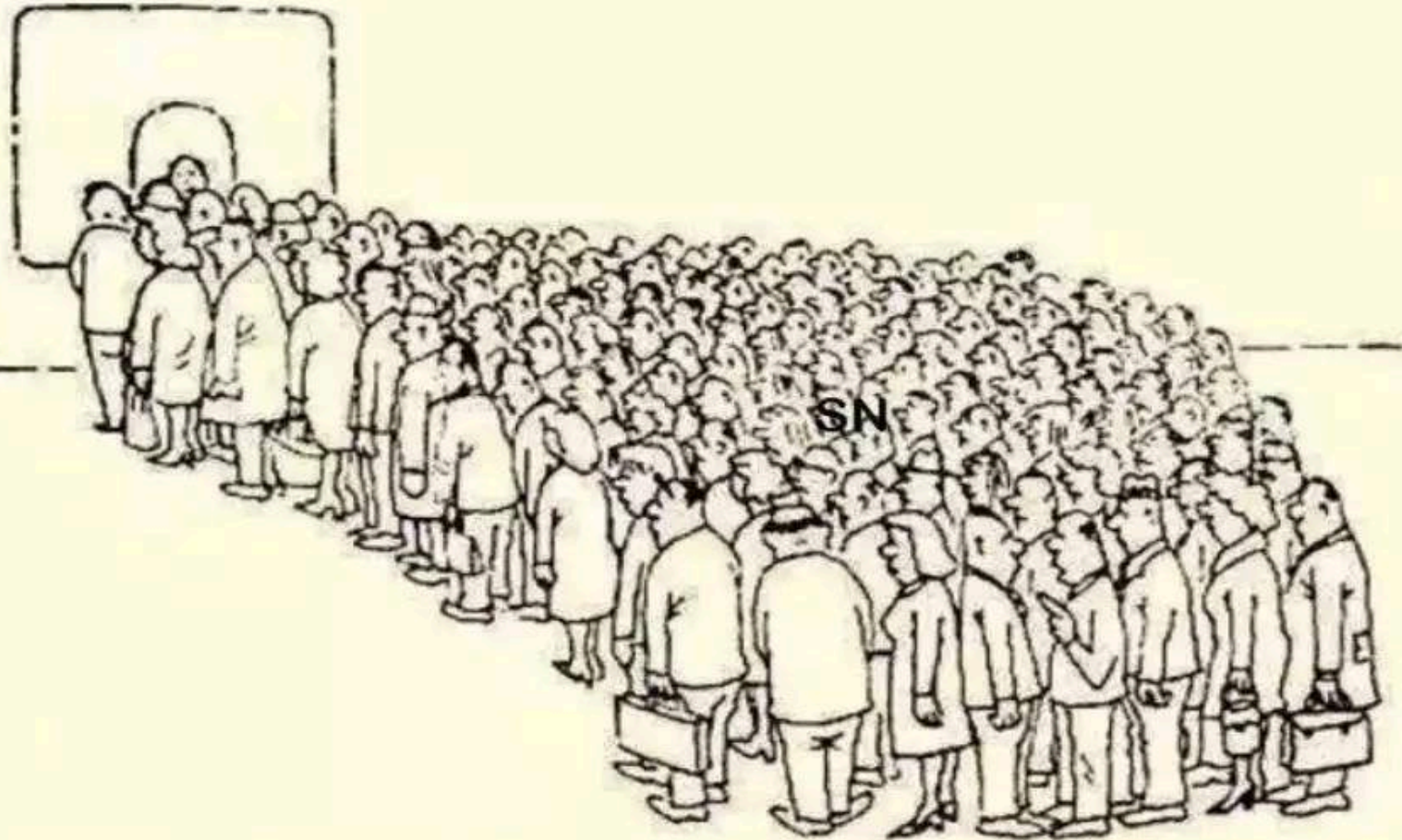
L'autopilota degli aerei (e delle navi) utilizza ANi per controllare il veicolo mentre in autopilot

Molti smartphone usano ANI per gestire il carico del processore in relazione alla carica della batteria

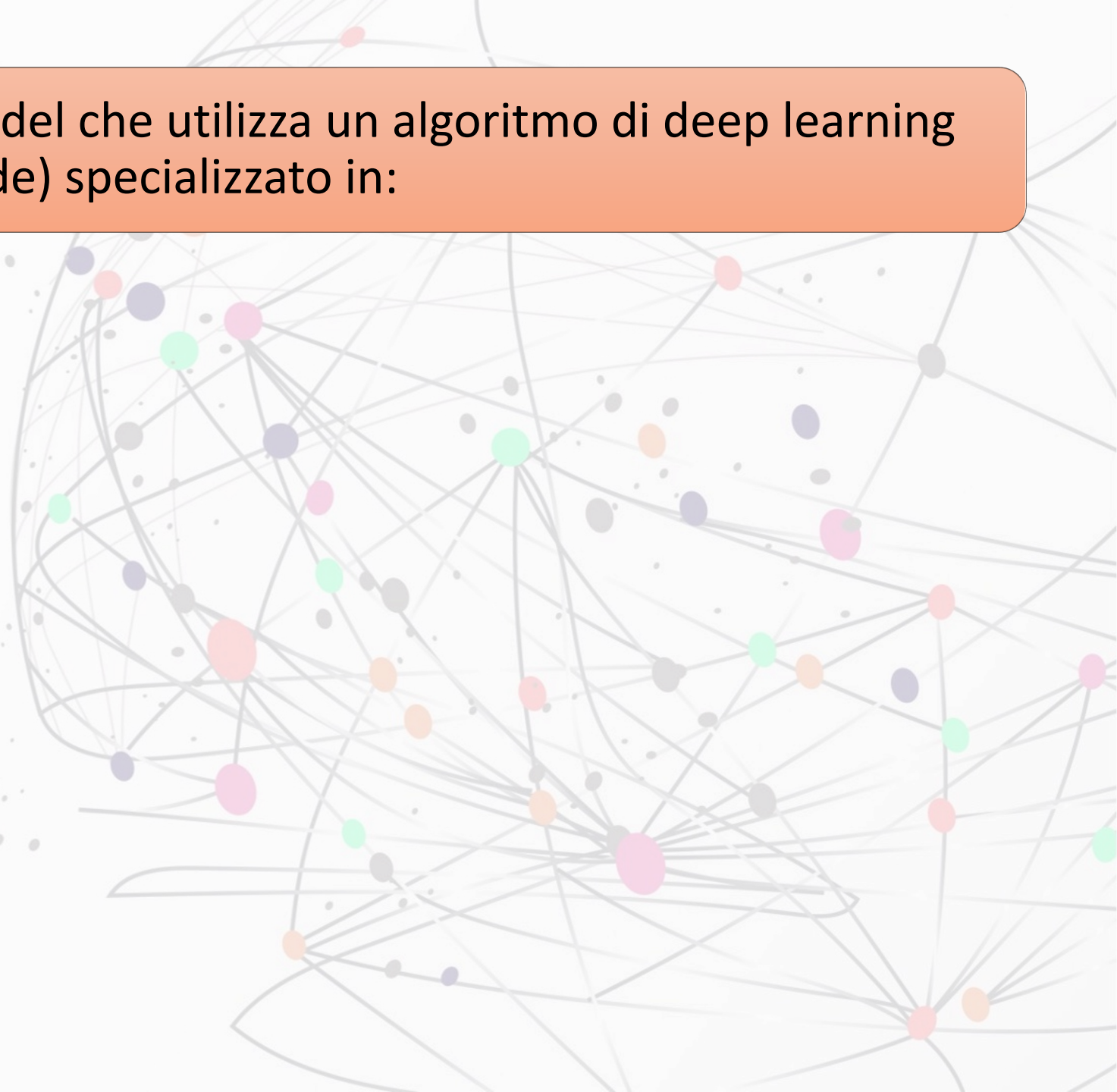
Using ChatGPT to
grow their business

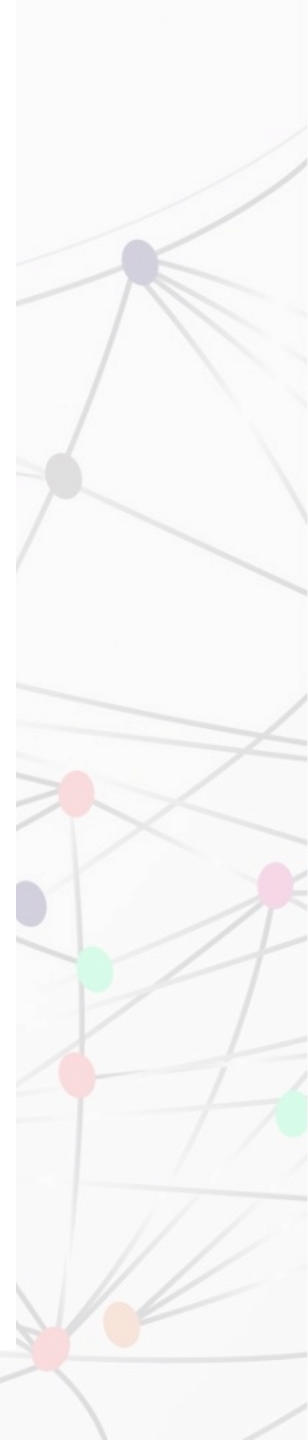
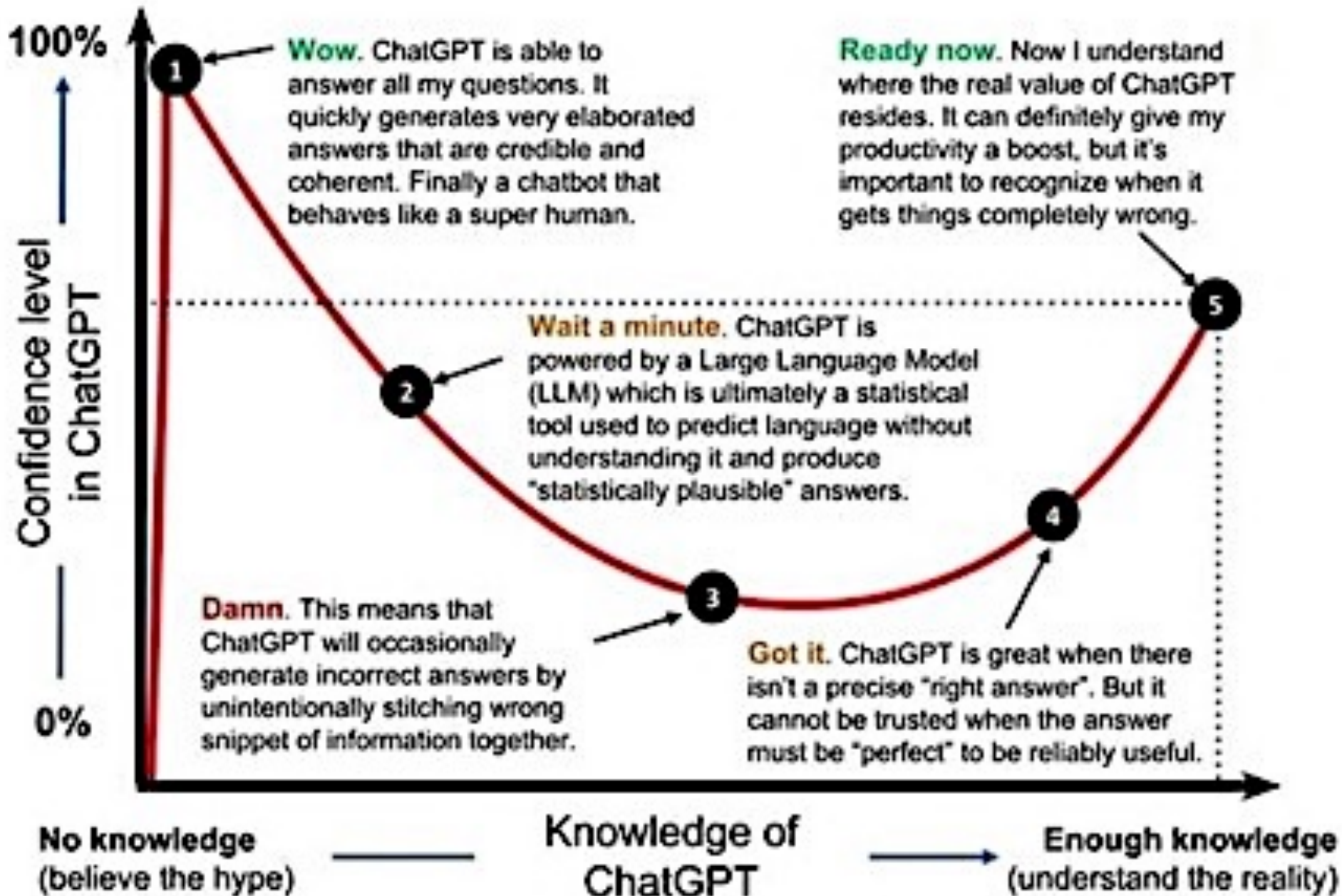


Trying to Trick
ChatGPT



chatGPT è un Large Language Model che utilizza un algoritmo di deep learning (il che implica reti neurali profonde) specializzato in:





Il successo di uno specifico chatbot, che l'utente richiamato dall'hype mediatico scambia per «intelligenza» e a cui alcuni arrivano ad attribuire «sensibilità», «distrarre» dai progressi dell'AI in altri ambiti

Medicina, industria, ricerca in vari settori ... son tanti i fronti in cui l'IA darà certamente un contributo significativo se non rivoluzionario nei prossimi anni(decenni)

E per ciascuno di questi settori occorrerebbe analizzare quali sono le criticità, capire come gestirle a livello regolatorio, possibilmente prima che la tecnologia «decolli»
[<https://futureoflife.org/open-letter/pause-giant-ai-experiments/>]

Ma perché questo avvenga è necessario rendere ORA il pubblico consapevolmente informato (piuttosto che inconsapevolmente orientato):

Lecture consigliate

Understanding the public perception of AI

[<https://medium.com/goodai-news/understanding-the-public-perception-of-ai-a14b0e6b6154>]

Global Perceptions of Development Progress: 'Perils of Perceptions' Research [<https://www.ipsos.com/en/global-perceptions-development-progress-perils-perceptions-research>]

Artificial Intelligence: American Attitudes and Trends, Baobao Zhang and Allan Dafoe, Center for the Governance of AI, Future of Humanity Institute, University of Oxford, January 2019

[<https://governanceai.github.io/US-Public-Opinion-Report-Jan-2019/>]

AI e Machine Learning, Università di Trieste

[https://moodle2.units.it/pluginfile.php/287988/mod_folder/content/0/3%20AI%20MachineLearning.pptx?forcedownload=1]

La rilevanza dell'etica nel quadro giuridico europeo sull'intelligenza artificiale (AI), G. A. Lodigiani, Collegio Ghislieri Pavia novembre 2021

[<https://www.youtube.com/watch?v=NIFI00MD4D8> da 0:00 a 31:30]

Pause Giant AI Experiments: An Open Letter [<https://futureoflife.org/open-letter/pause-giant-ai-experiments/>]