

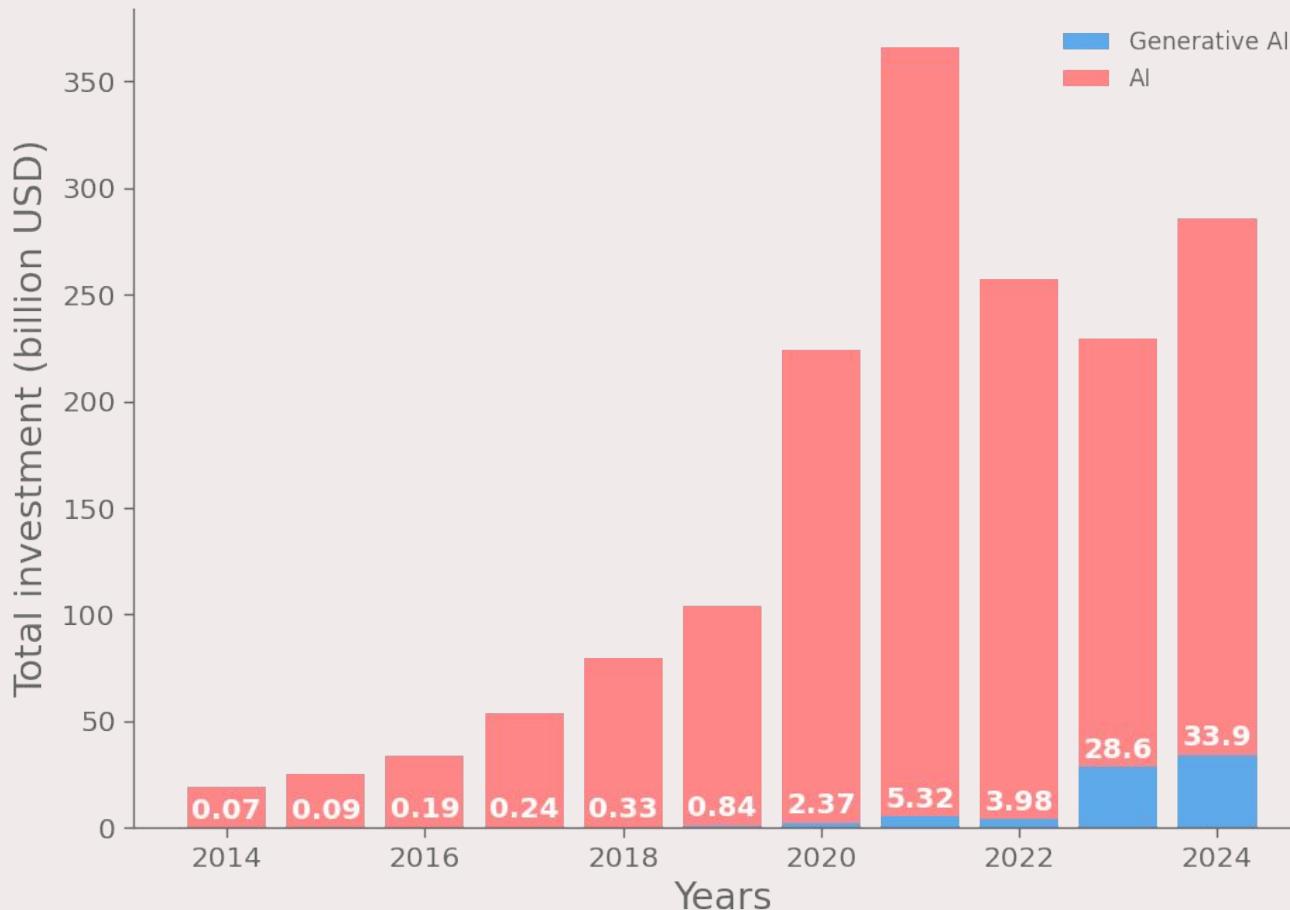
A BRIEF OVERVIEW OF AI

A sector by sector analysis

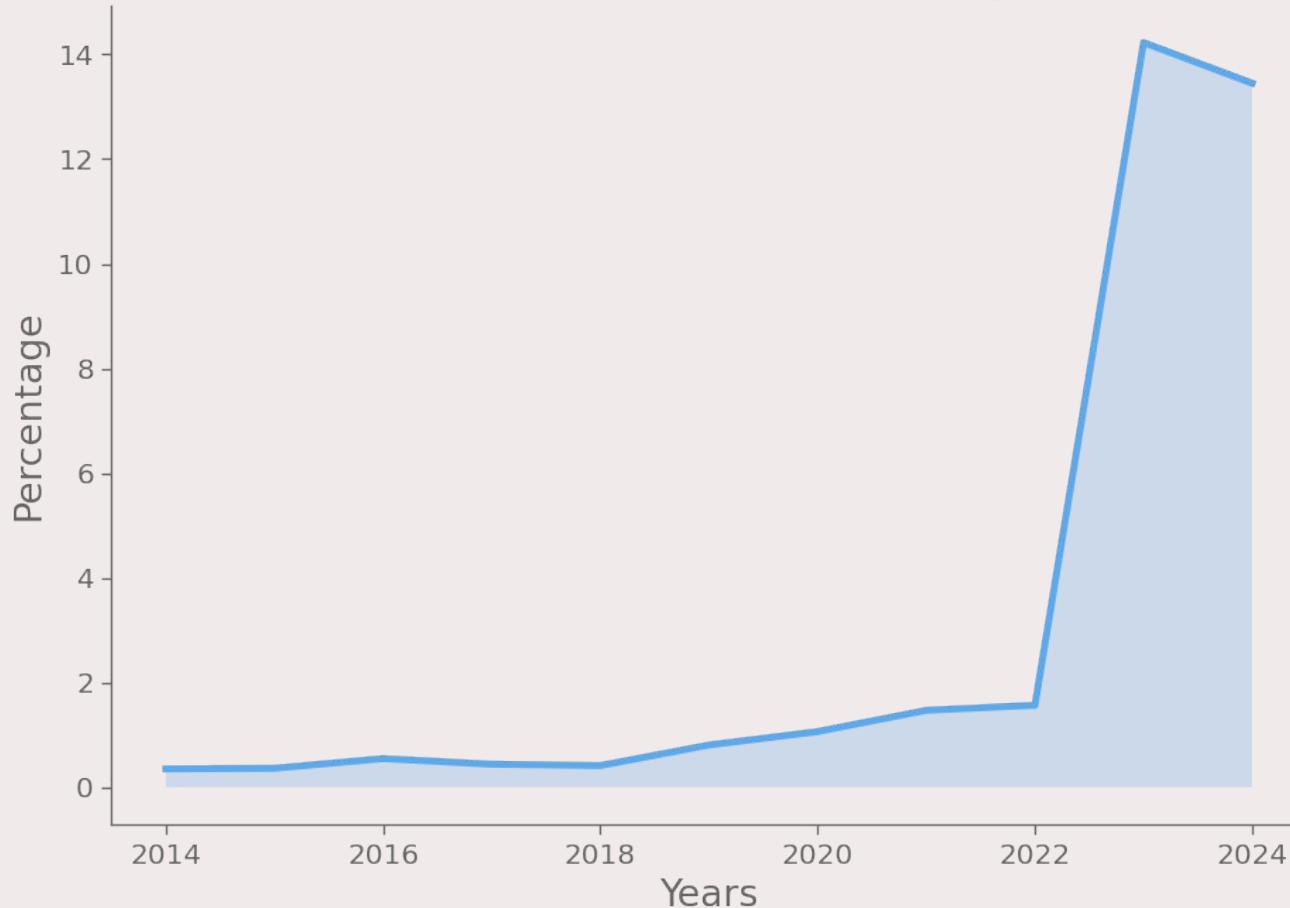
Giovanni Novati 68642A
Simone Alessandro Casciaro 76678A

ECONOMY

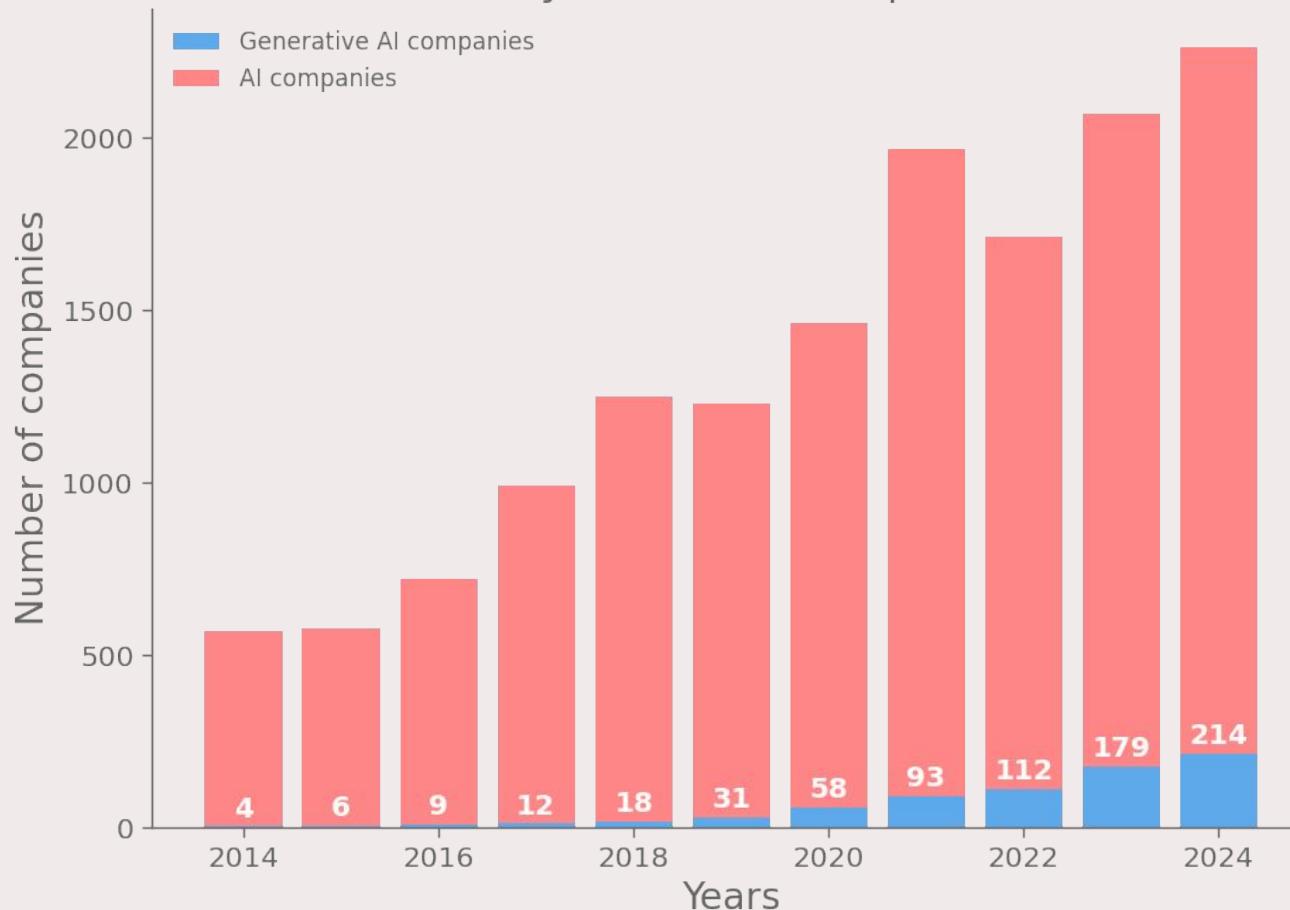
Global investment in the AI sector



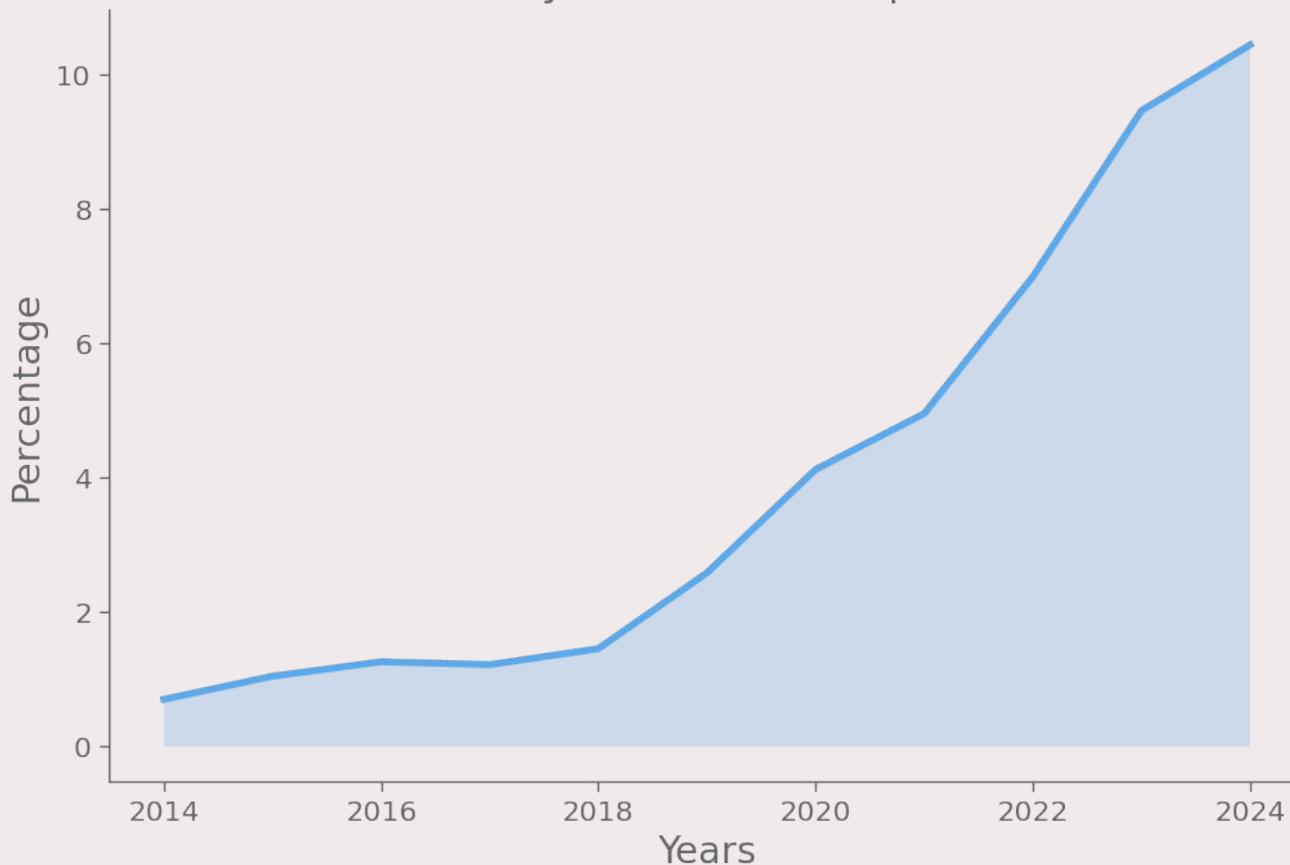
Generative AI investments as percentage of total AI



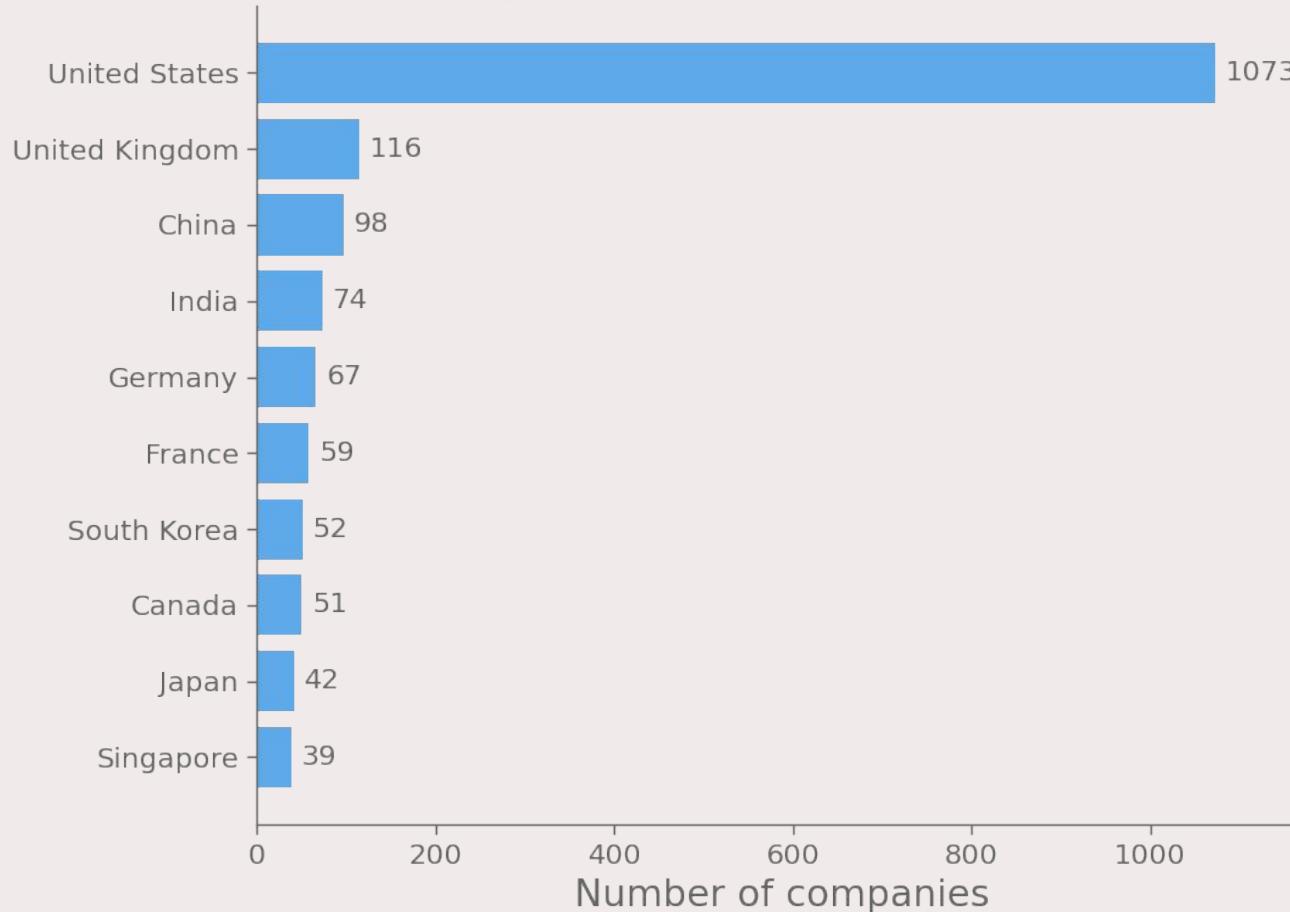
Newly funded AI companies



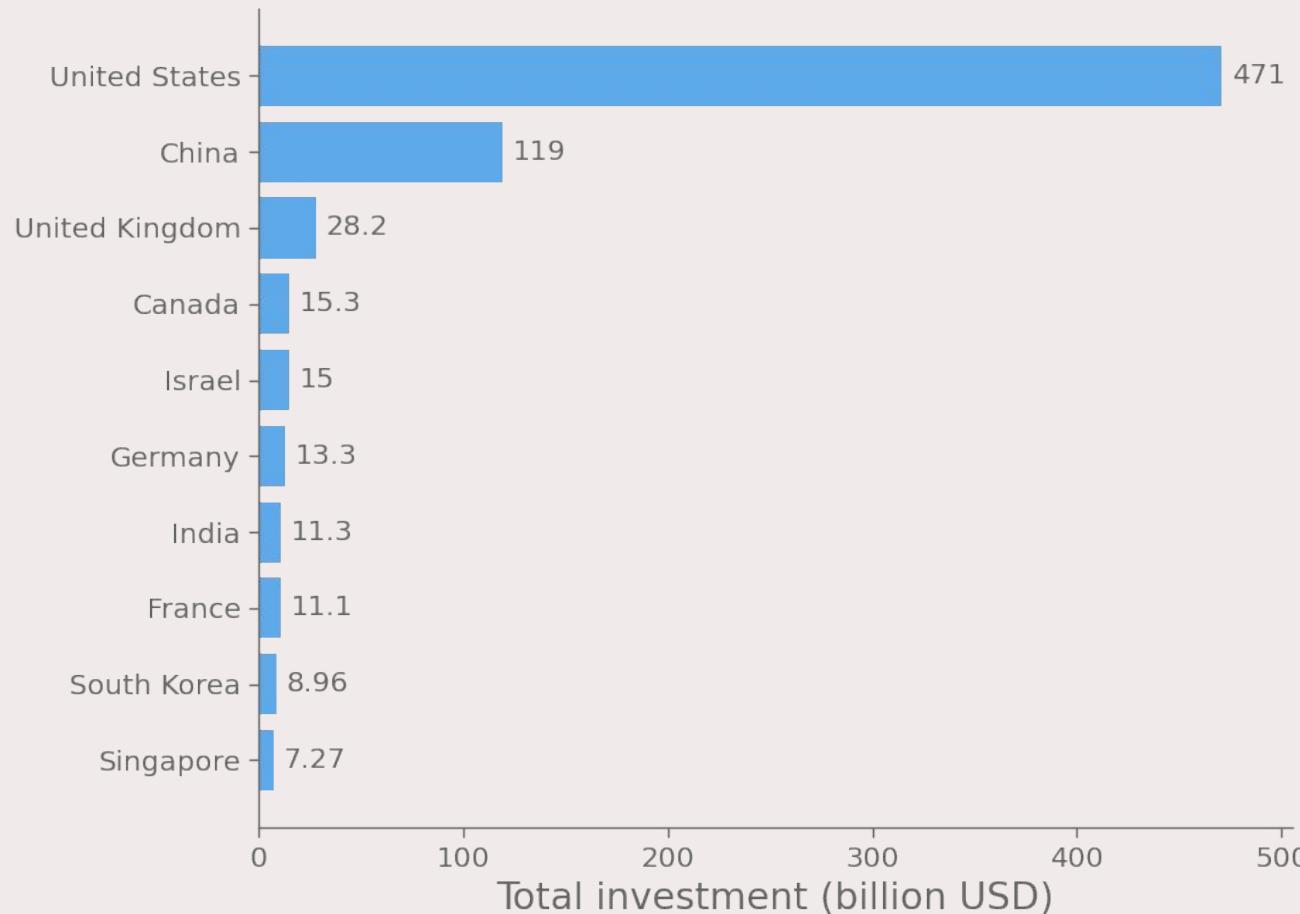
Generative AI companies as percentage of newly funded AI companies



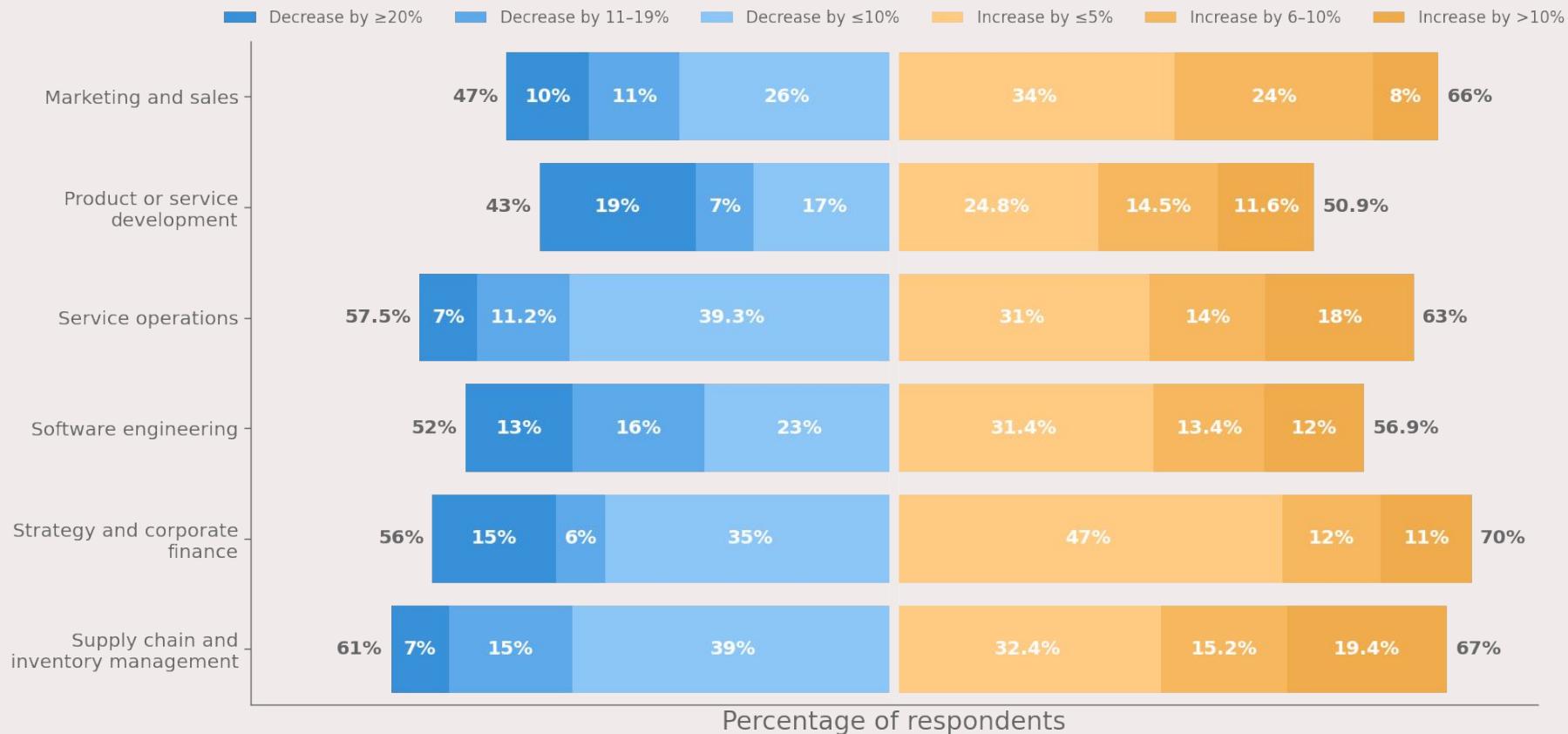
Newly funded AI companies in 2024



Private investments in AI from 2013 to 2024

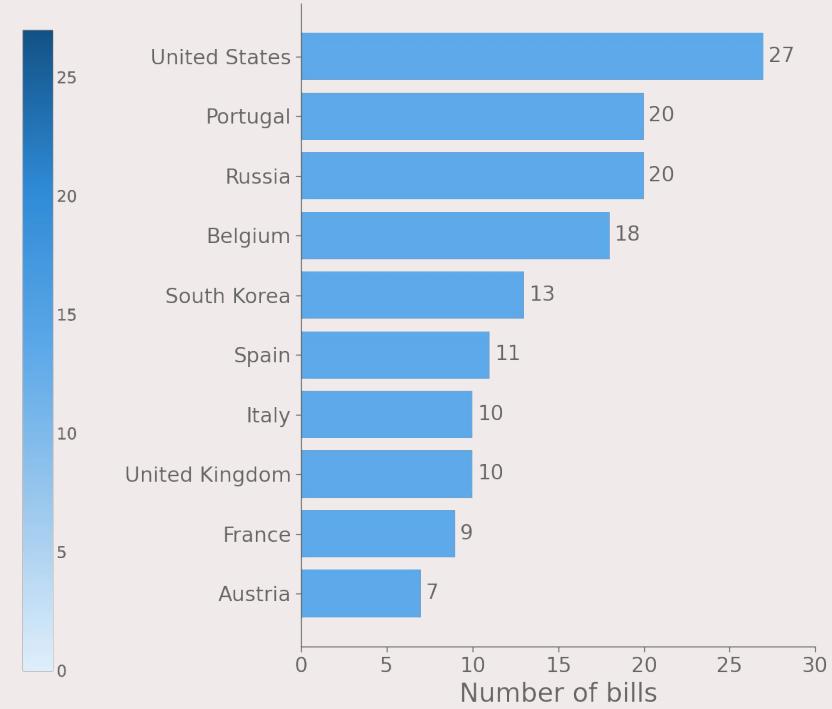
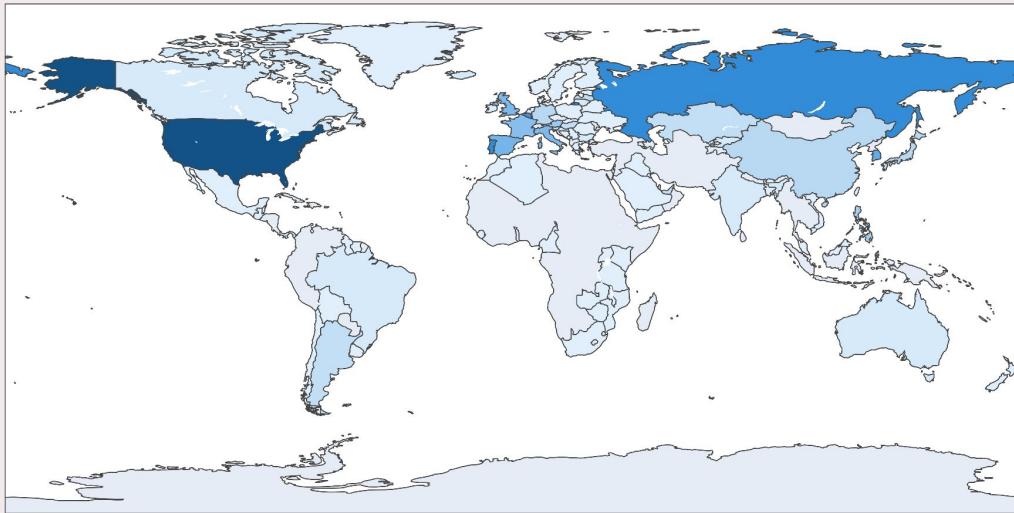


Company cost reductions and revenue gains thanks to generative AI in 2023

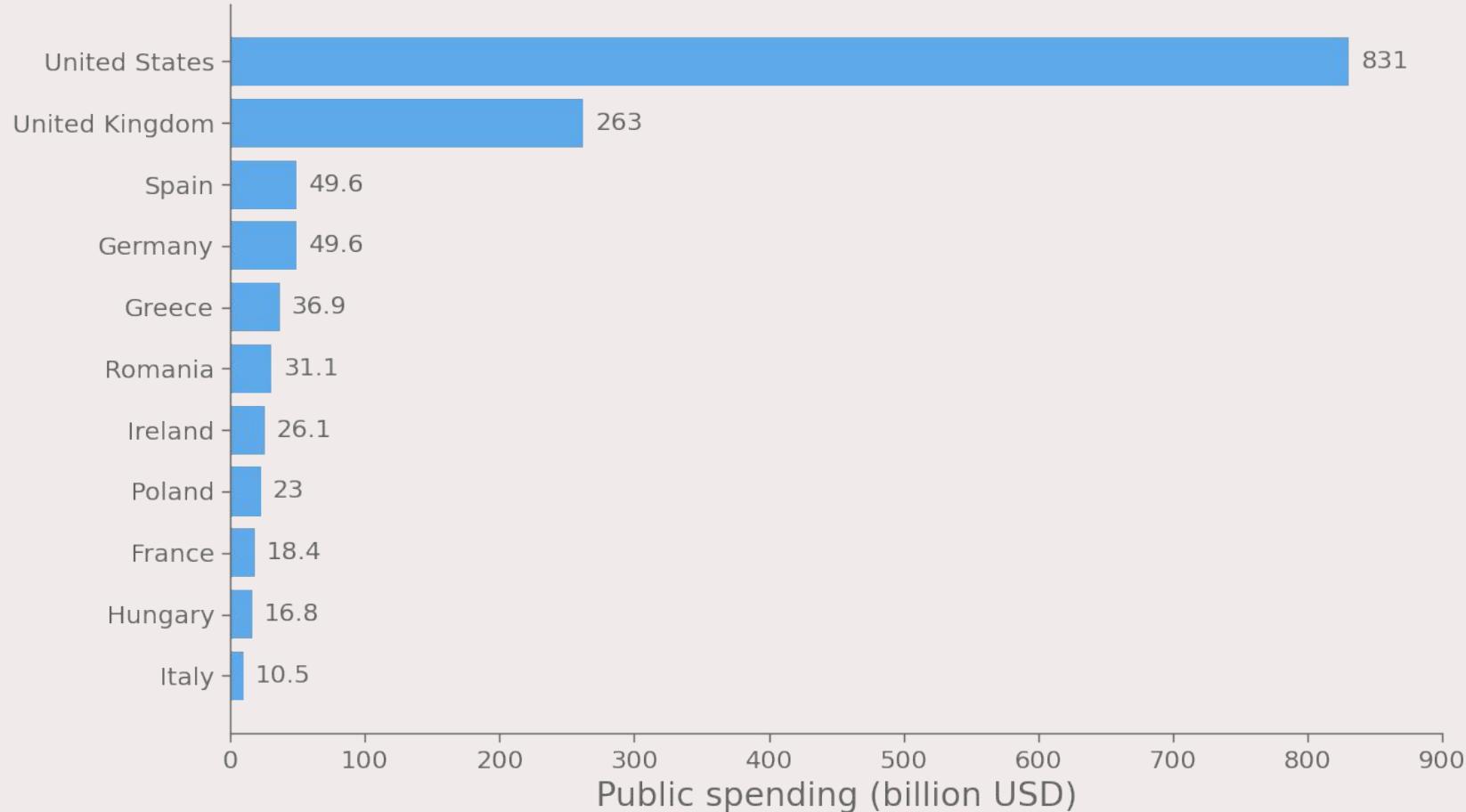


POLICY AND GOVERNANCE

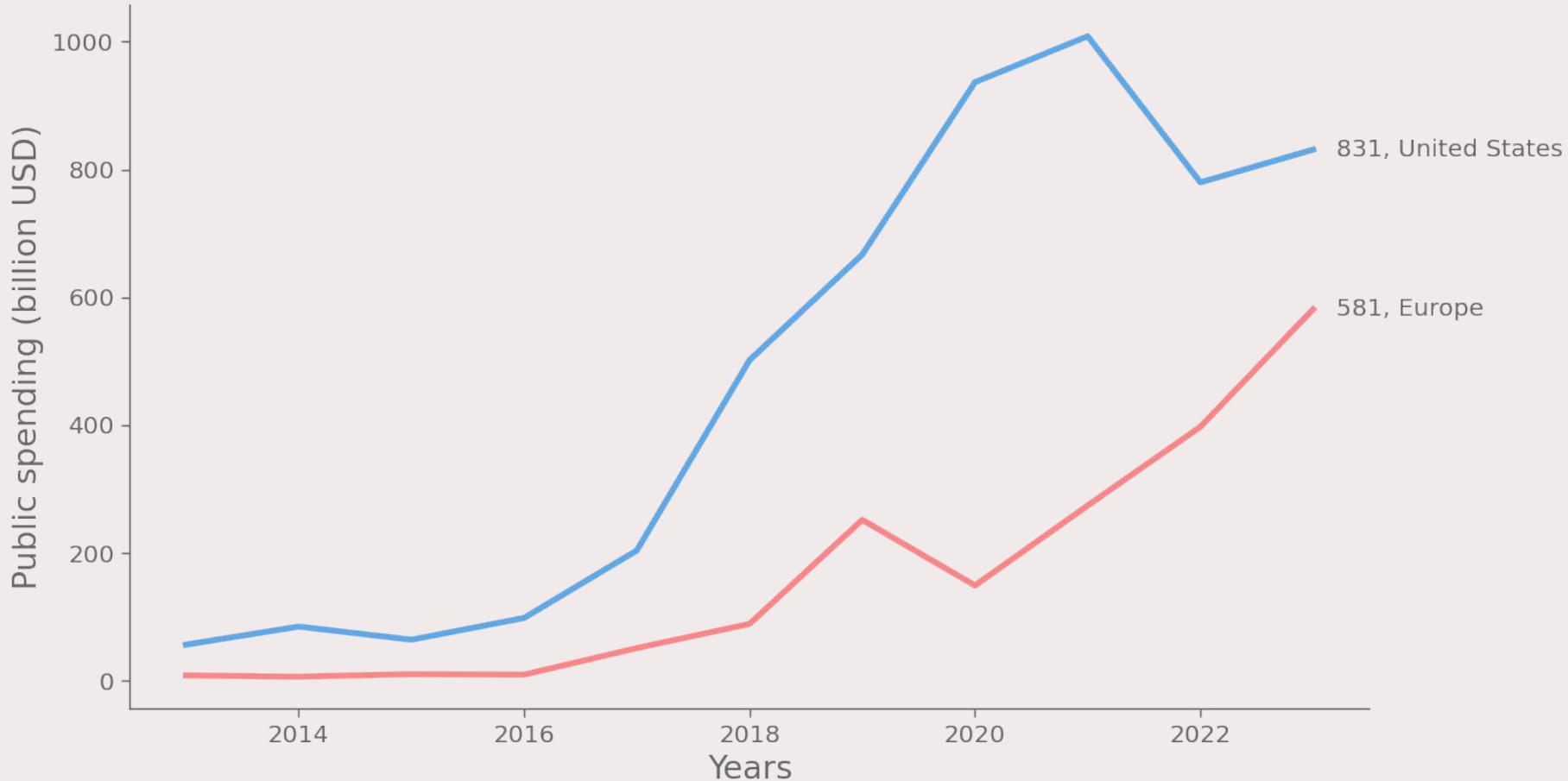
Number of AI-related bills passed into law from 2016 to 2024



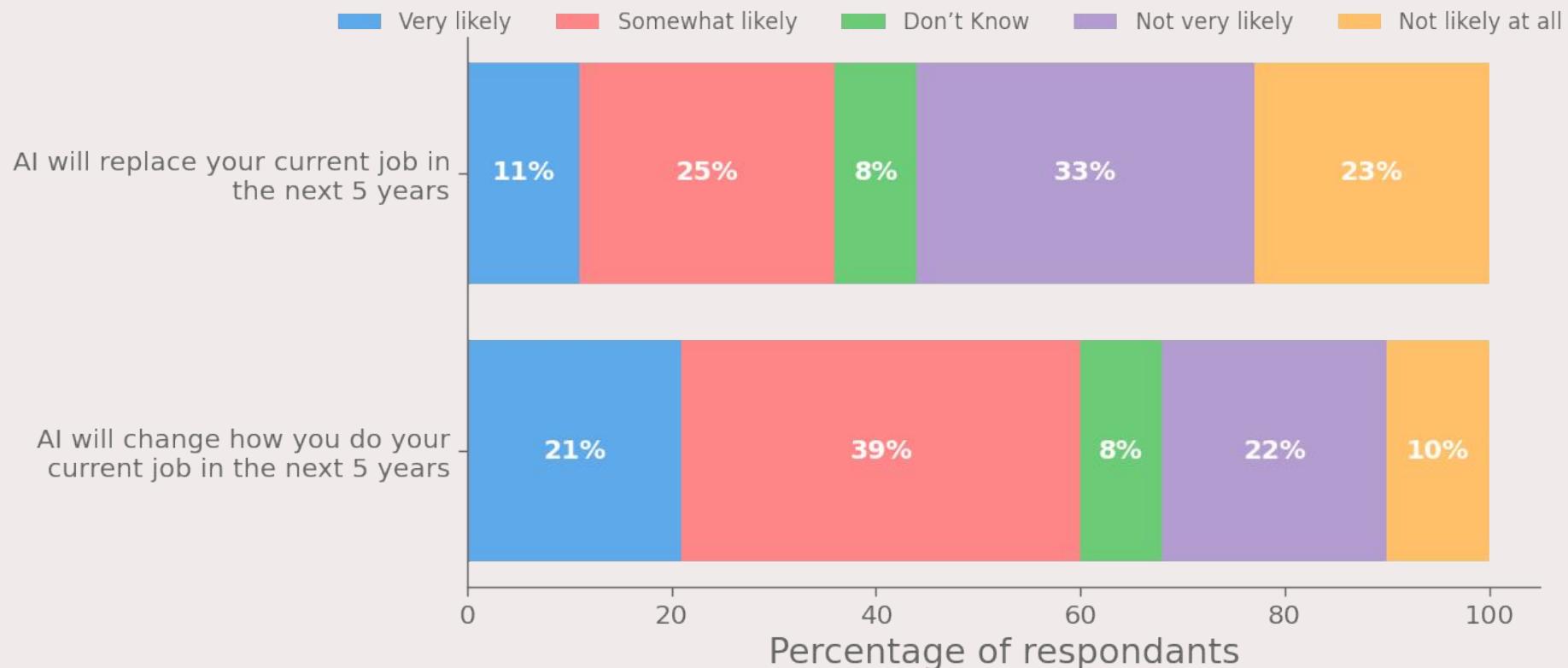
Public spending on AI-related contracts by country in 2023



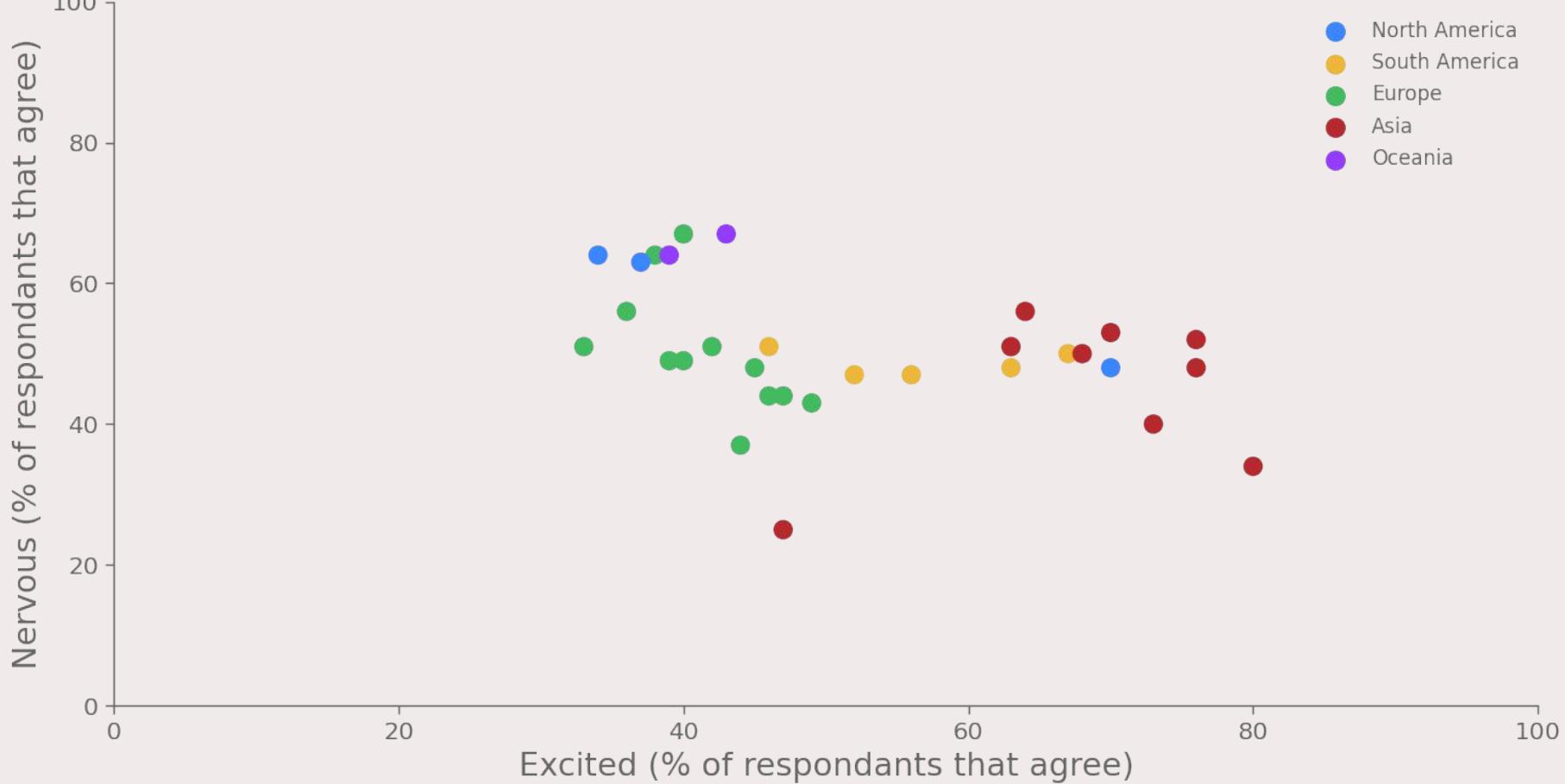
Public spending on AI-related contracts USA vs Europe



Global perceived opinion of AI on current jobs

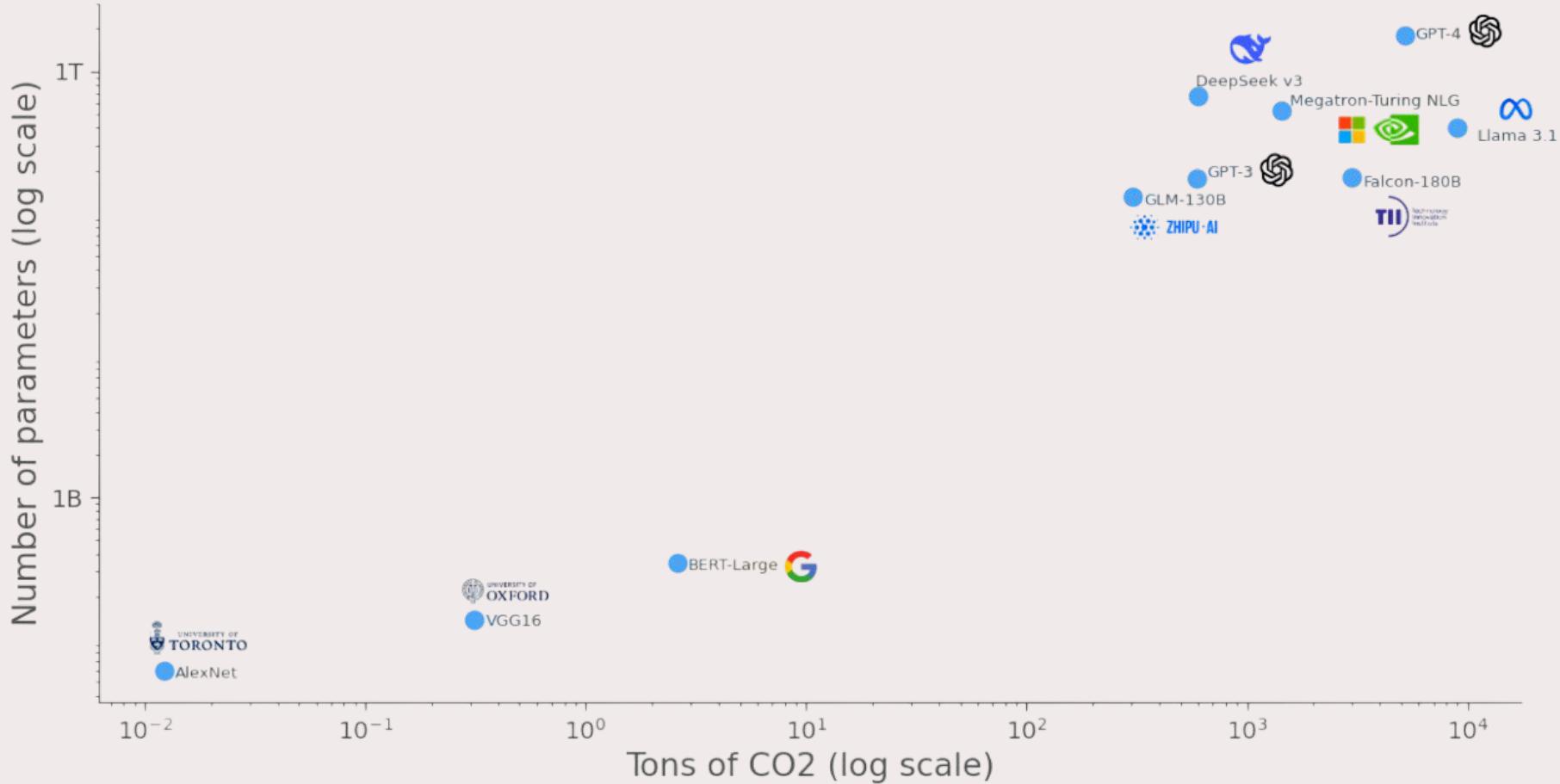


Excited / Nervous opinions about AI by continent

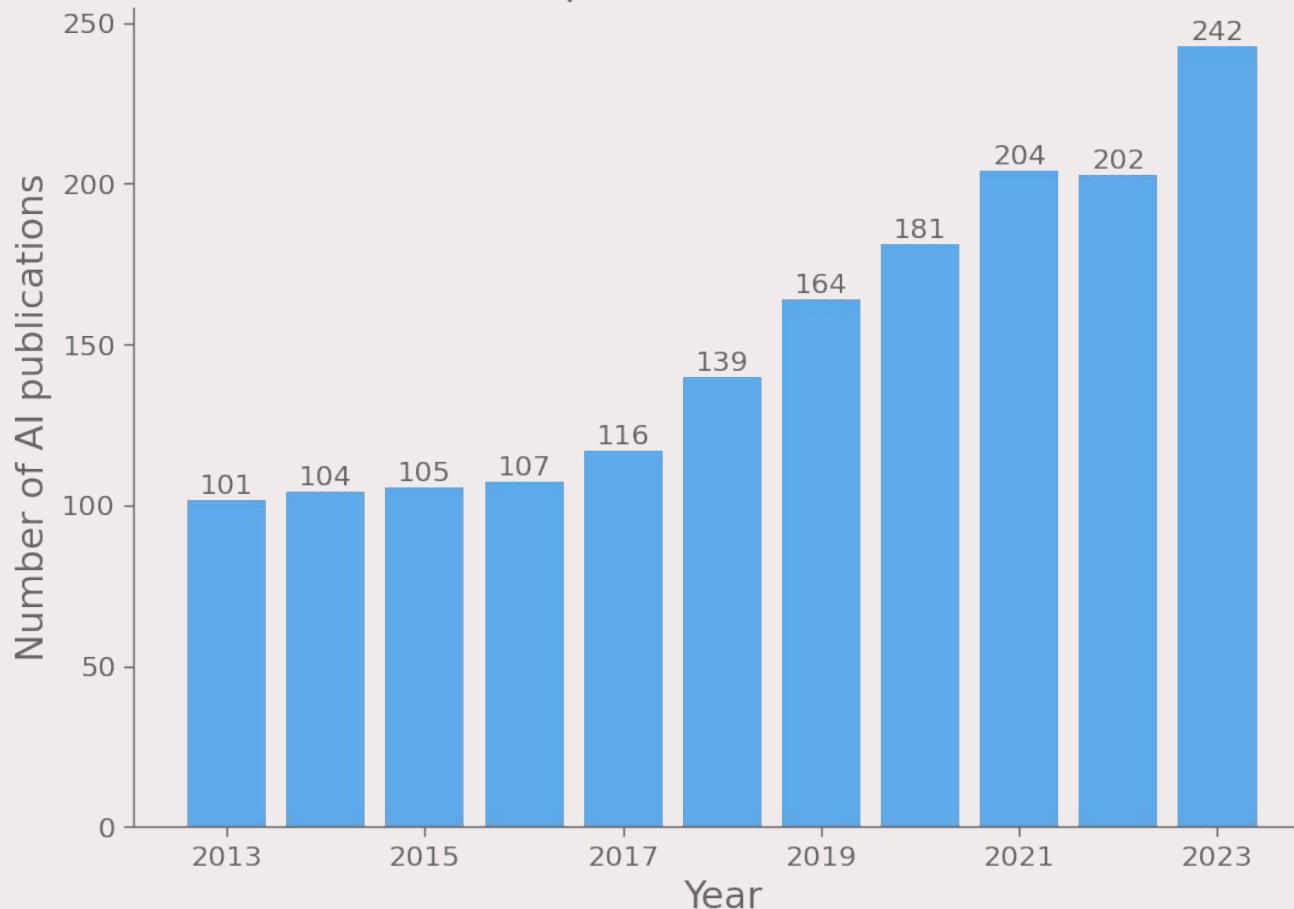


RESEARCH AND DEVELOPMENT

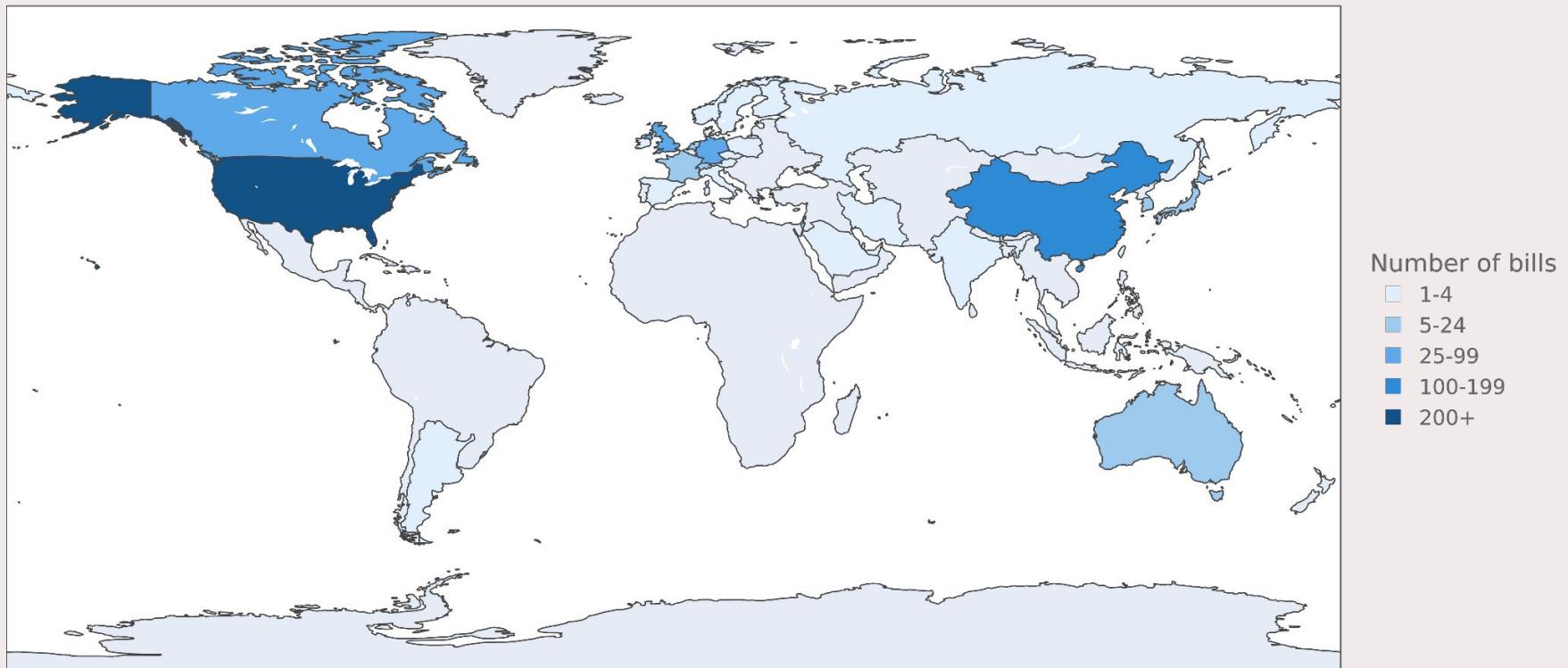
Carbon emissions and number of parameters



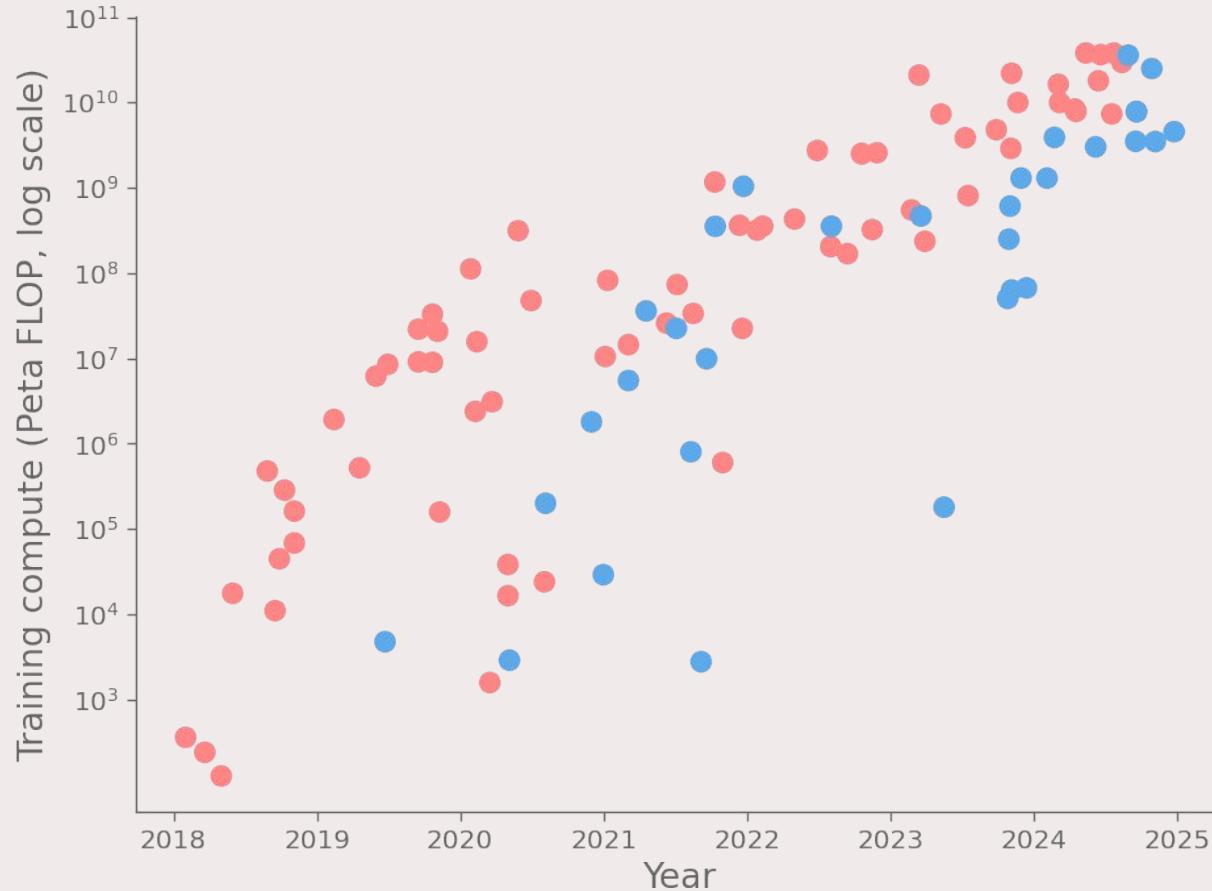
Number of AI publications in CS worldwide



Number of AI-related bills passed into law from 2016 to 2024

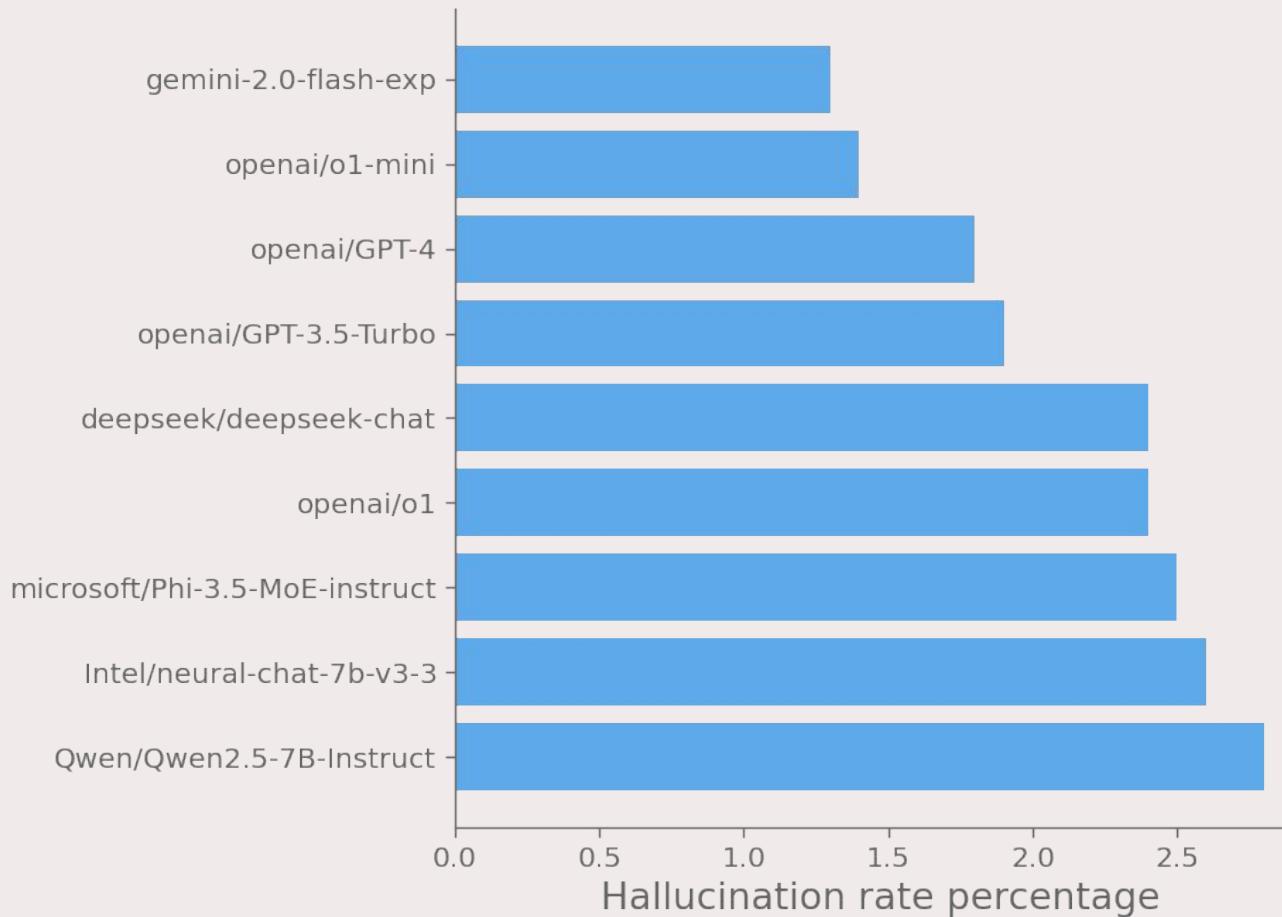


Training compute of select notable AI models in the United States and China

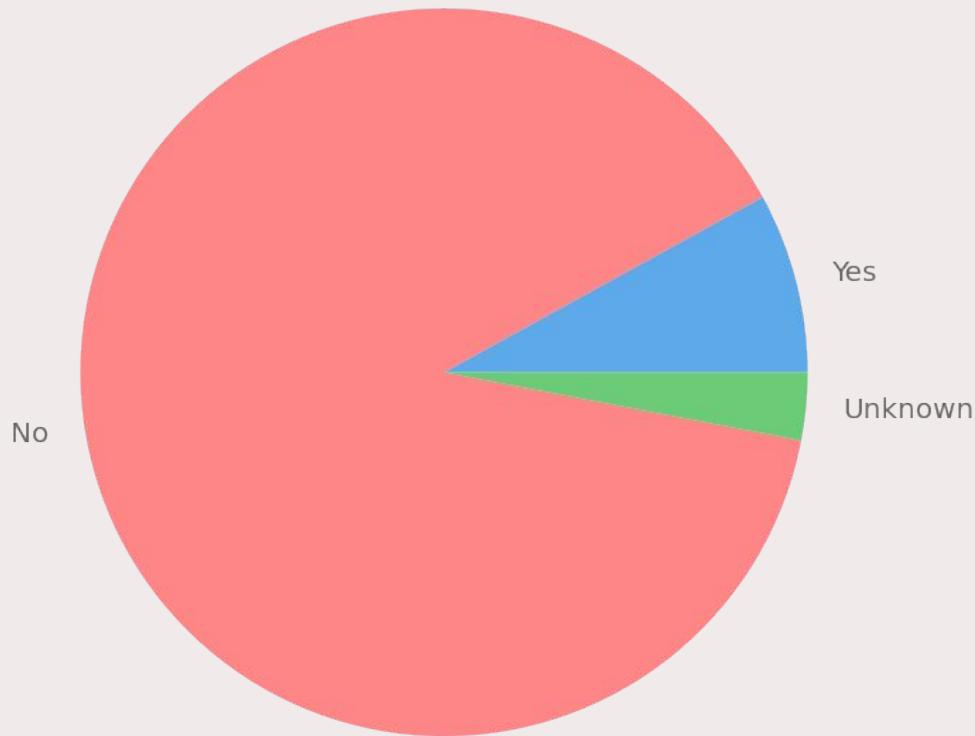


RESPONSIBLE AI

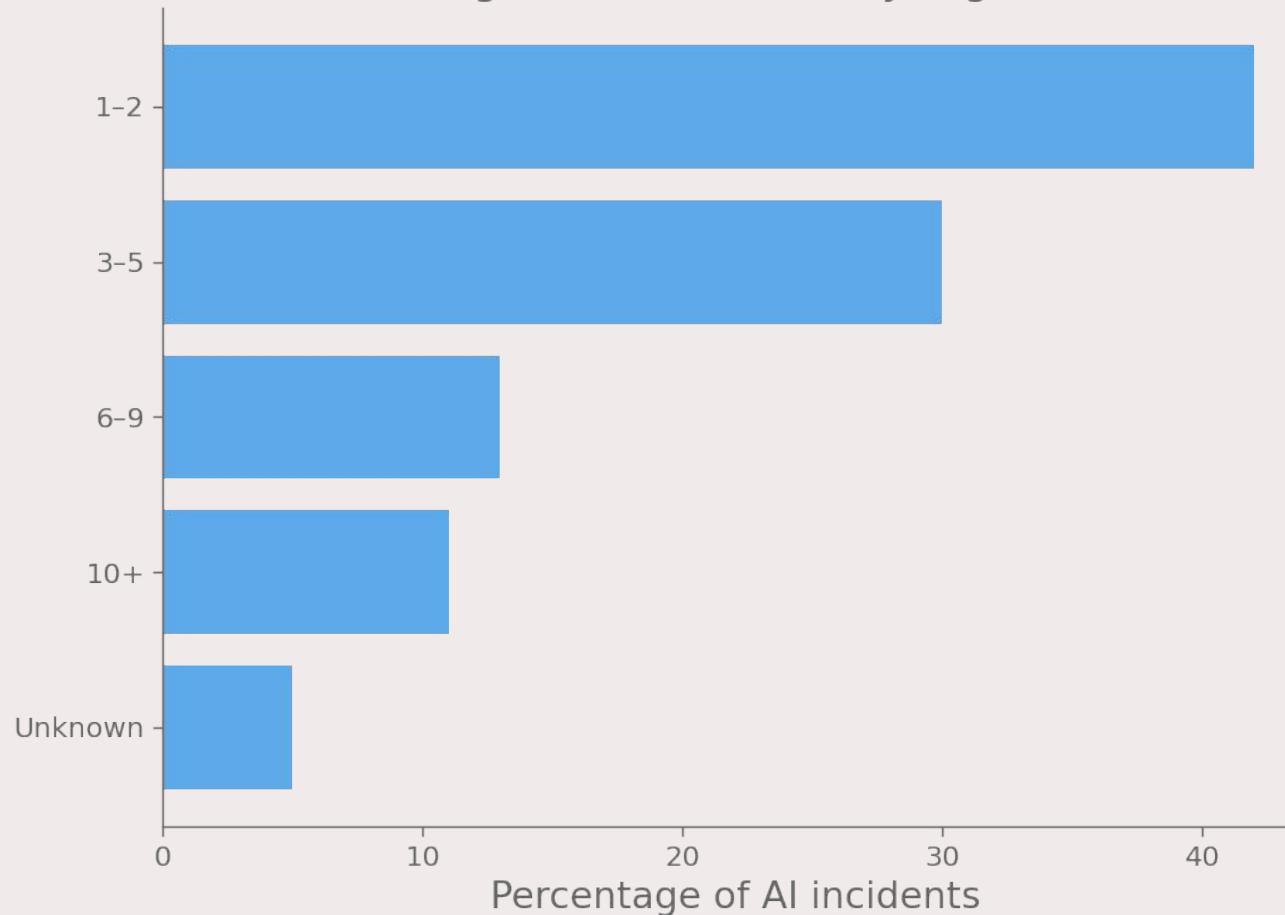
Hallucination rate of the latest models



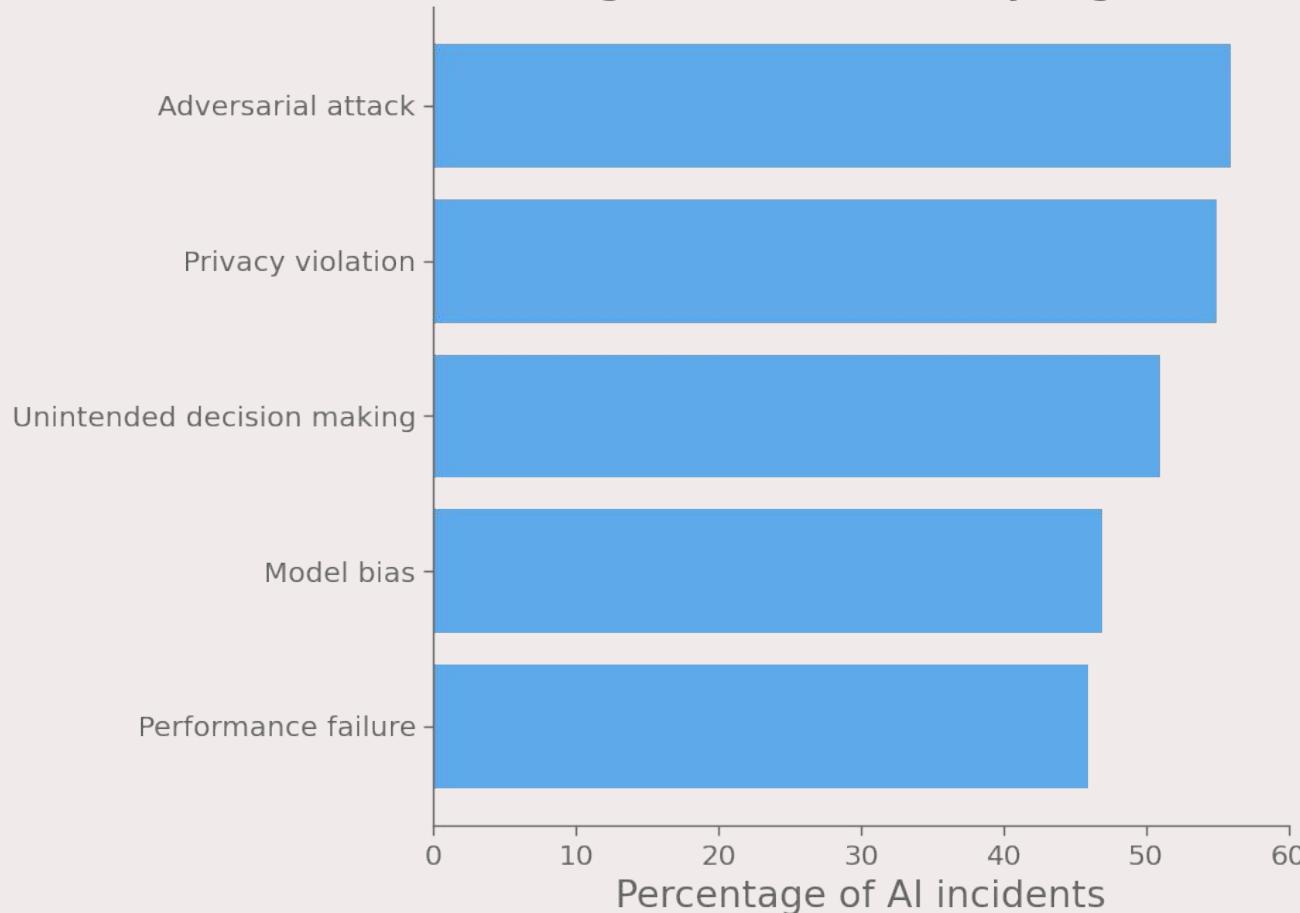
Percentage of organizations who experienced AI incidents



Percentage of AI incidents by organization

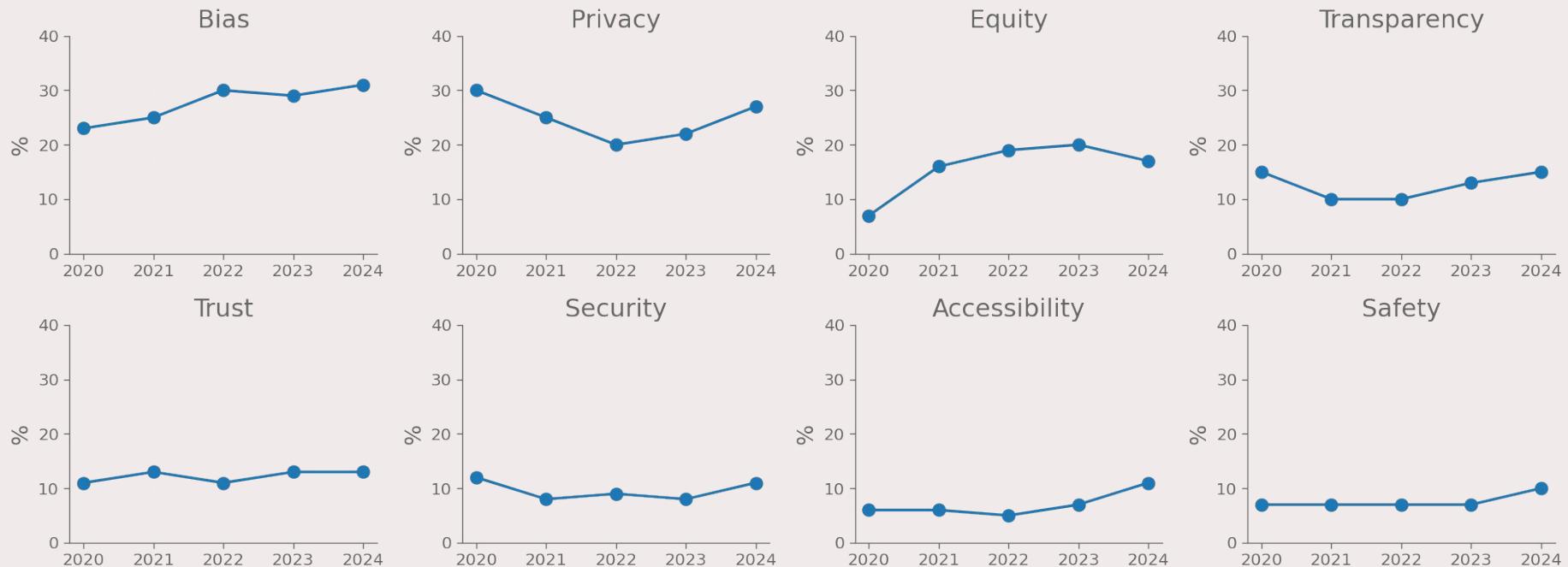


Percentage of AI incidents by organization

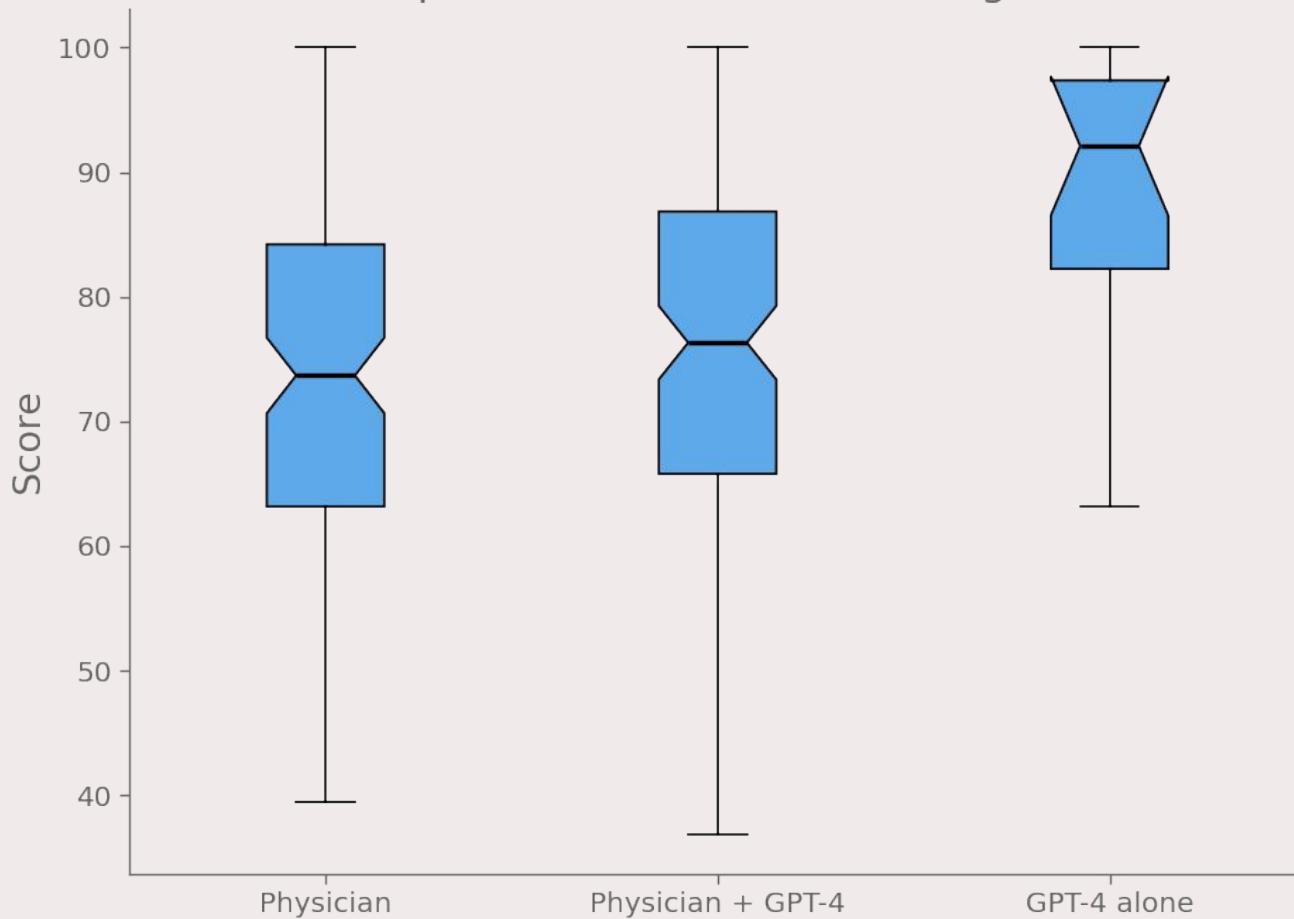


SCIENCE AND MEDICINE

Top 8 ethical concerns discussed in medical AI ethics publications

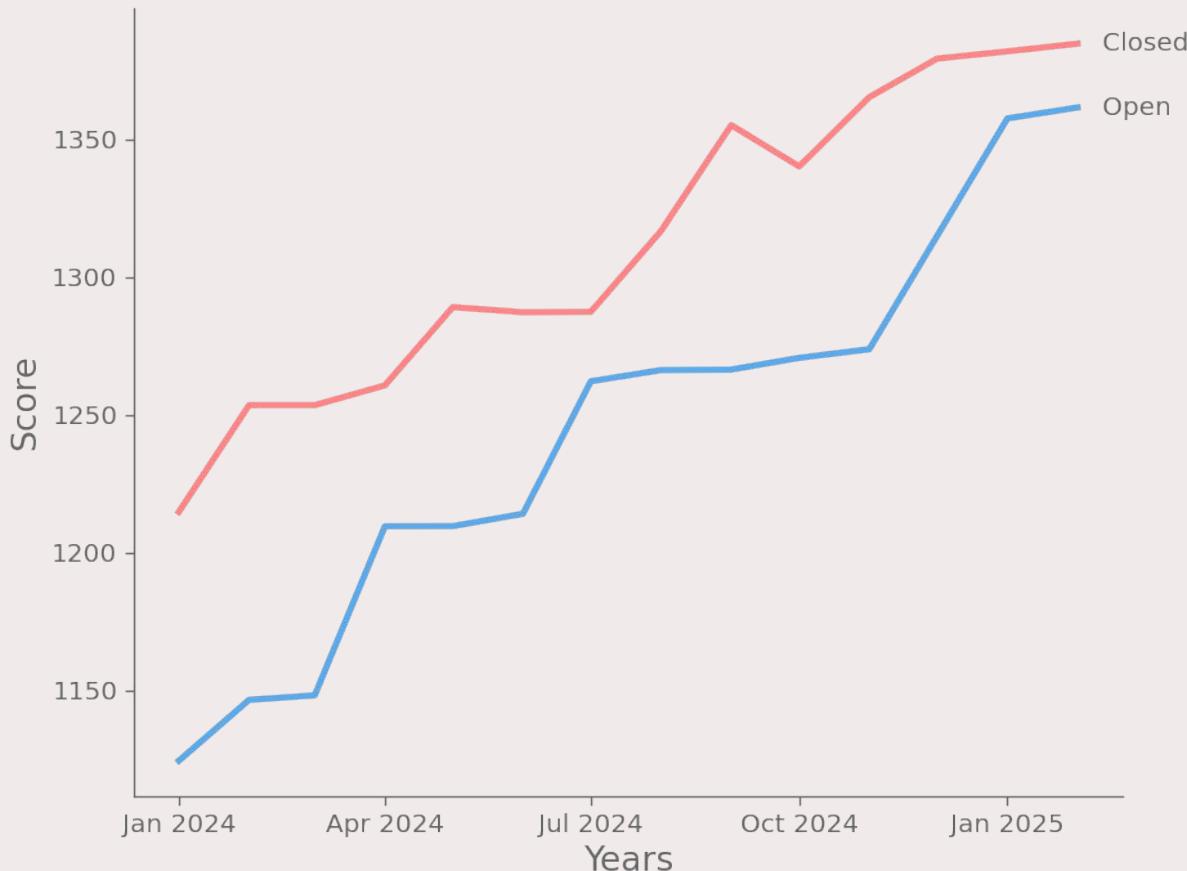


LLM performance in clinical diagnosis



TECHNICAL PERFORMANCE

Performance of top closed/open models over years



FONTI

<https://hai.stanford.edu/ai-index/2025-ai-index-report>

<https://www.quid.com/2024-stanford-ai-index-report>

<https://www.mckinsey.com/capabilities/quantumblack/our-insights/the-state-of-ai-2024>

https://ifr.org/img/worldrobotics/Press_Conference_2024.pdf

<https://www.ipso.com/en/global-trends-2024>

<https://www.fda.gov/medical-devices/software-medical-device-samd>

<https://med.stanford.edu/raisehealth.html>

<https://epoch.ai/data/machine-learning-hardware>

<https://www.ipso.com/en/global-trends-2024>

GRAZIE PER L'ATTENZIONE