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HAGE GEINGOB

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ONDANGWA

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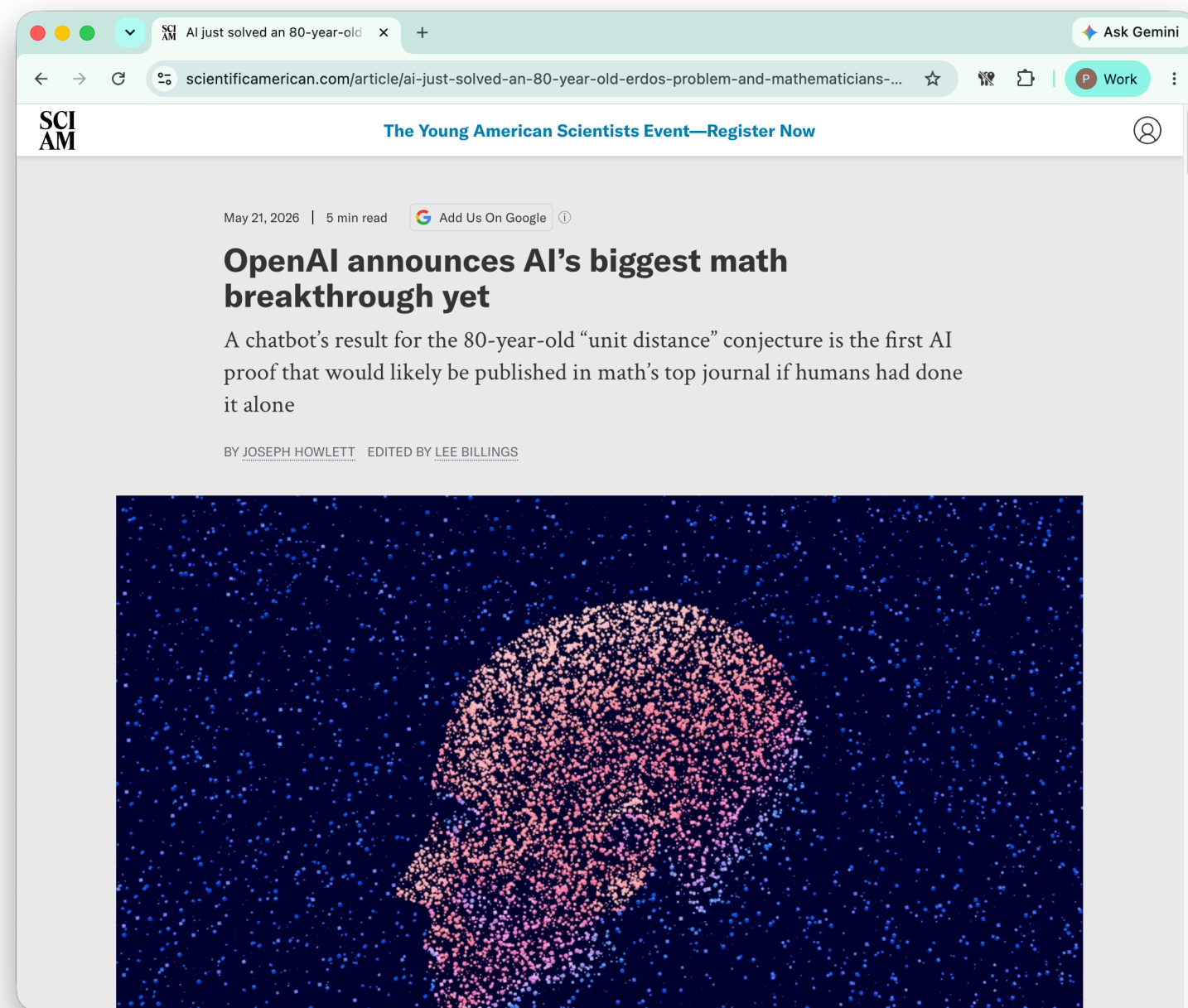
Kontext KI & Hochschule

Hochschulrahmengesetz (HRG)

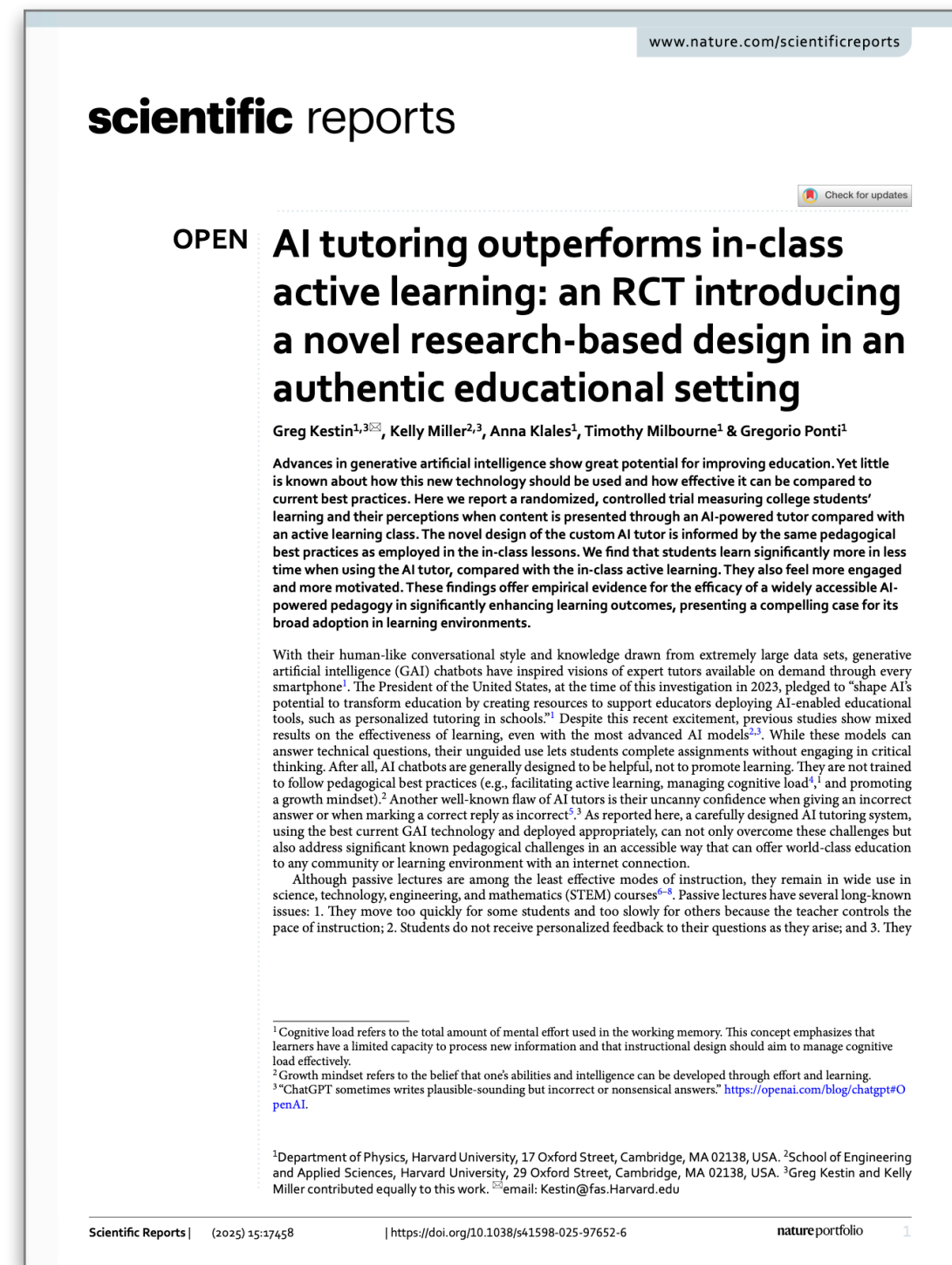
§ 2 Aufgaben

(I) Die Hochschulen dienen entsprechend ihrer Aufgabenstellung der Pflege und der Entwicklung der Wissenschaften und der Künste durch **Forschung, Lehre**, Studium und Weiterbildung in einem freiheitlichen, demokratischen und sozialen Rechtsstaat. Sie bereiten auf **berufliche Tätigkeiten** vor, die die Anwendung wissenschaftlicher Erkenntnisse und wissenschaftlicher Methoden oder die Fähigkeit zu künstlerischer Gestaltung erfordern.

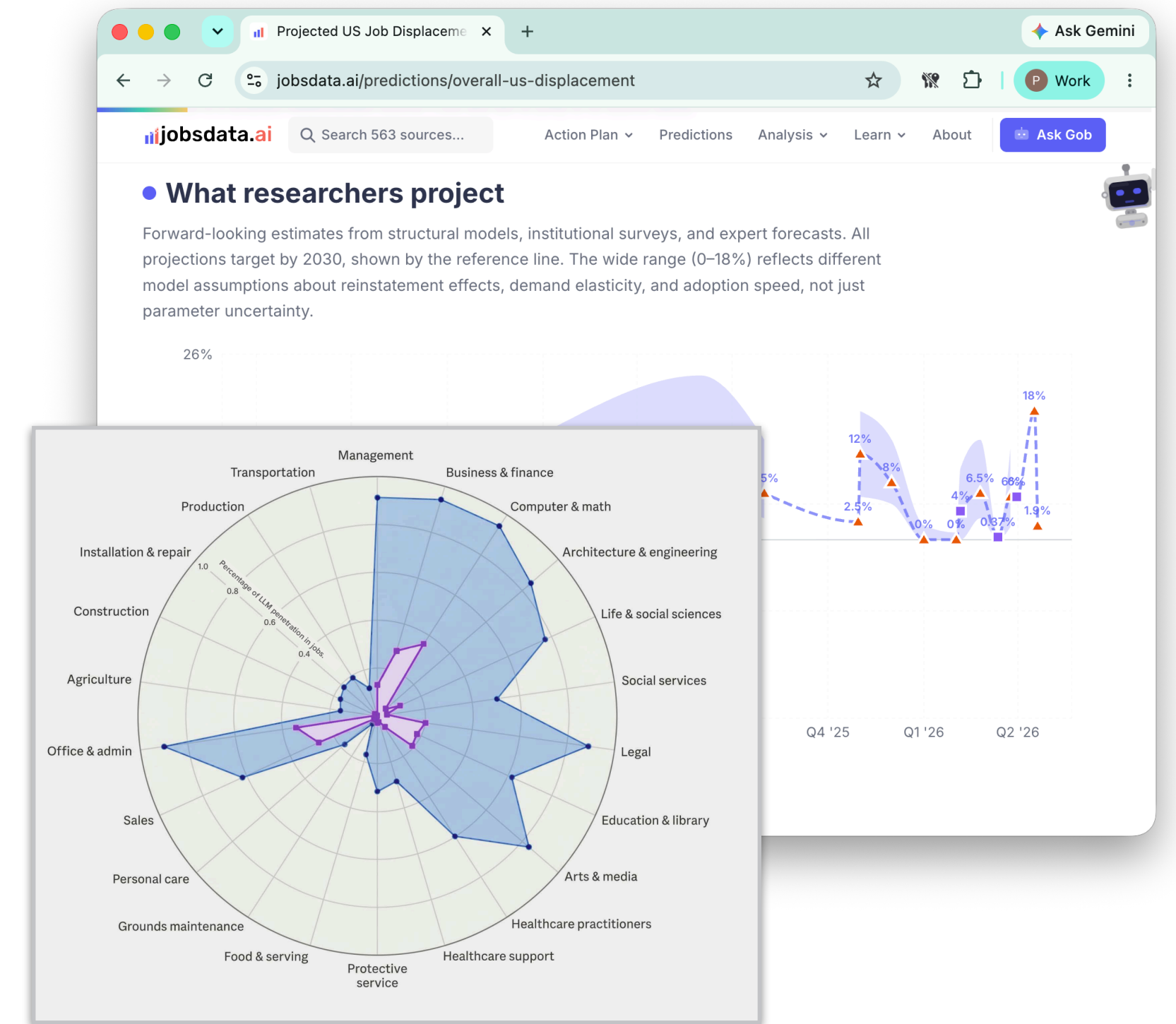
Forschung



Lehre



Berufliche Tätigkeit

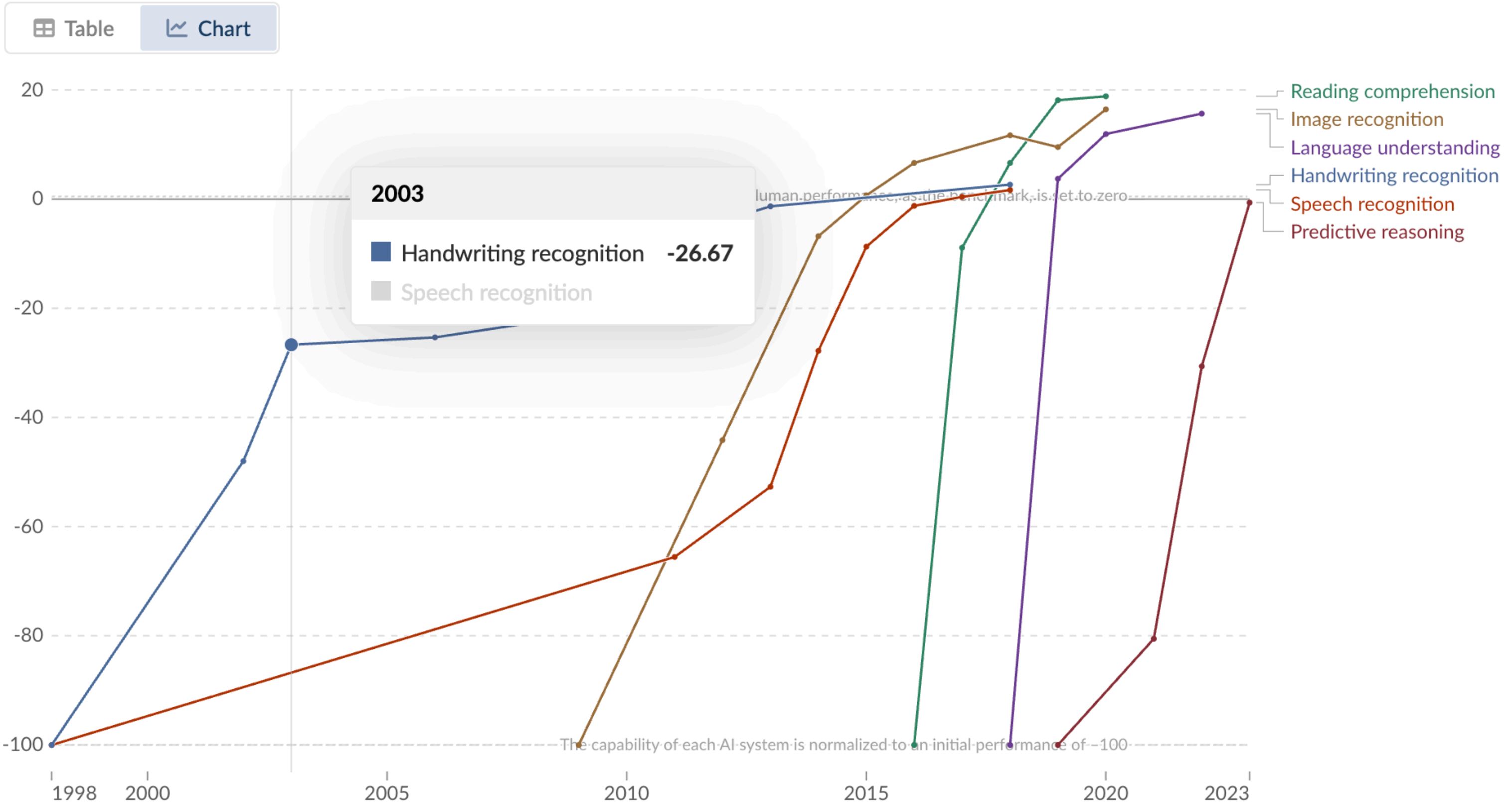


Anthropic, "Labor Market Impacts of AI," March 2026
Selingo (2026), Designing the AI University

Test scores of AI systems on various capabilities relative to human performance



Within each domain, the initial performance of the AI is set to -100. Human performance is used as a baseline, set to zero. When the AI's performance crosses the zero line, it scored more points than humans.



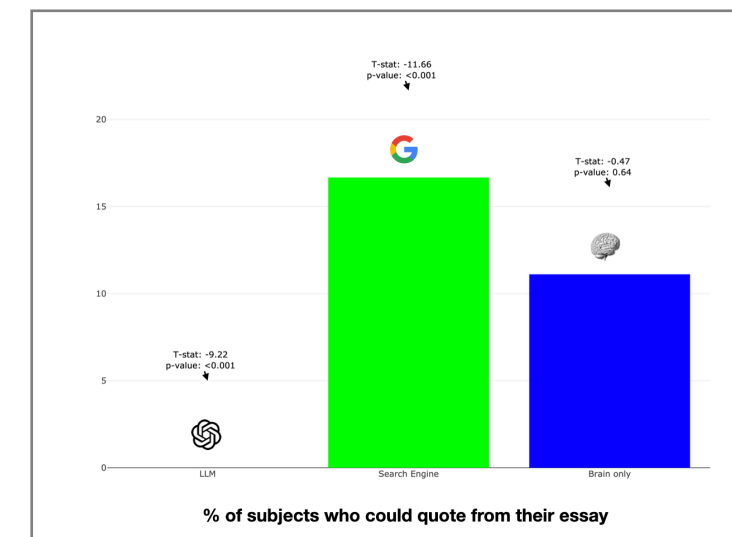
Data source: Kiela et al. (2023) - [Learn more about this data](#)

KI kann Meinungen prägen und Vorurteile verstärken.

Biased AI Writing Assistants Shift Users' Attitudes on Societal Issues

AUTHORS
Sterling Williams-Ceci, Maurice Jakesch, Advait Bhat, Kowe Kadoma, Lior Zalmanson, and Mor Naaman

KI kann zu Lernverlust führen.



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ARTICLES · Online first, August 12, 2025

Endoscopist deskillng risk after exposure to artificial intelligence in colonoscopy: a multicentre, observational study

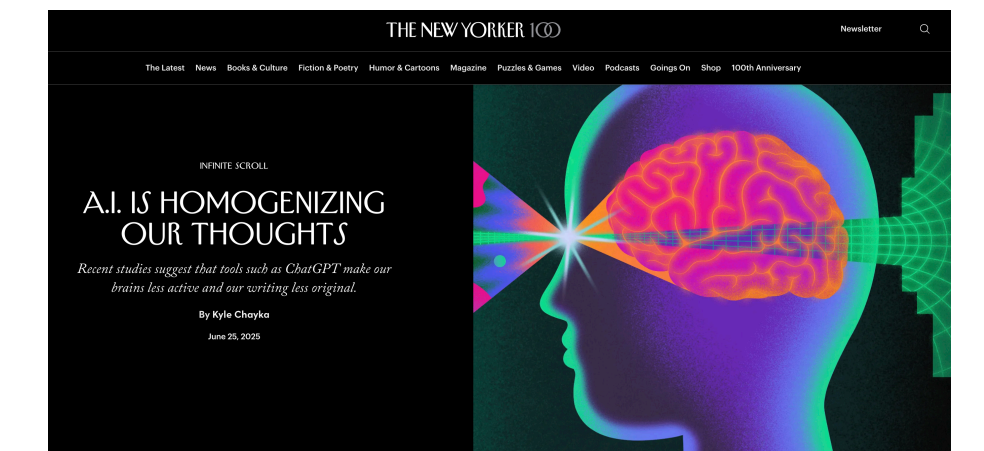
Krzysztof Budzyń, MD ^{a,b} · Marcin Romańczyk, MD ^{a,b} · Diana Kitala, PhD ^c · Paweł Kołodziej, MD ^d · Marek Bugajski, MD ^e · Hans O Adami, MD ^{f,g} · et al. [Show more](#)

Elegante Formulierungen, langweilige Ideen.

KI verringert Kreativität.

The Creative Link Between Words and Ideas is Weakening in the AI Era

Kibum Moon^{1*}, Kostadin Kushlev¹, Andrew Bank¹, Benjamin Lira², Indre Viskontas³, James C. Kaufman⁴, Dan R. Johnson⁵, Angela L. Duckworth⁶, and Adam E. Green^{1*}



KI kann Abhängigkeiten erzeugen und menschliche Beziehungen verändern.

Cornell University

In just 5 minutes help us improve arXiv: [Annual Global Survey](#)

We gratefully acknowledge Foundation, member institu

arXiv > cs > arXiv:2509.11391

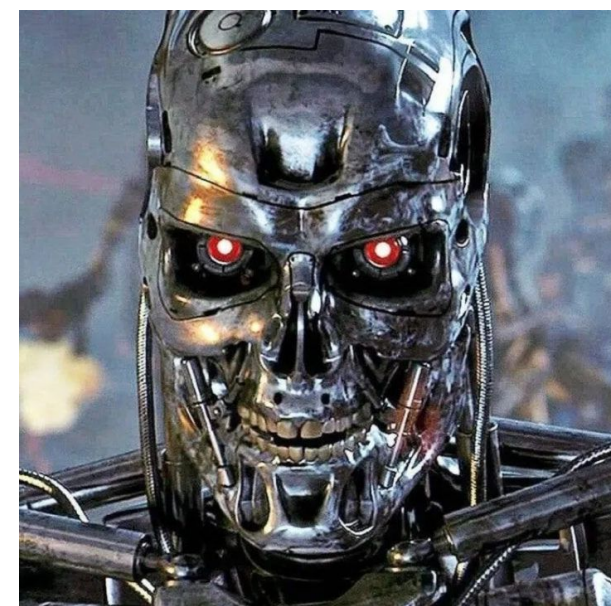
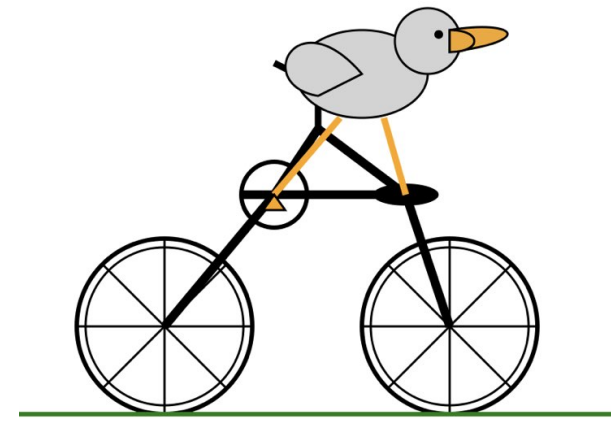
Search... Help | Adv

Computer Science > Human-Computer Interaction

[Submitted on 14 Sep 2025 (v1), last revised 18 Sep 2025 (this version, v2)]

"My Boyfriend is AI": A Computational Analysis of Human-AI Companionship in Reddit's AI Community

Pat Pataranutaporn, Sheer Karny, Chayapatr Archiwanguprok, Constanze Albrecht, Auren R. Liu, Pattie Maes

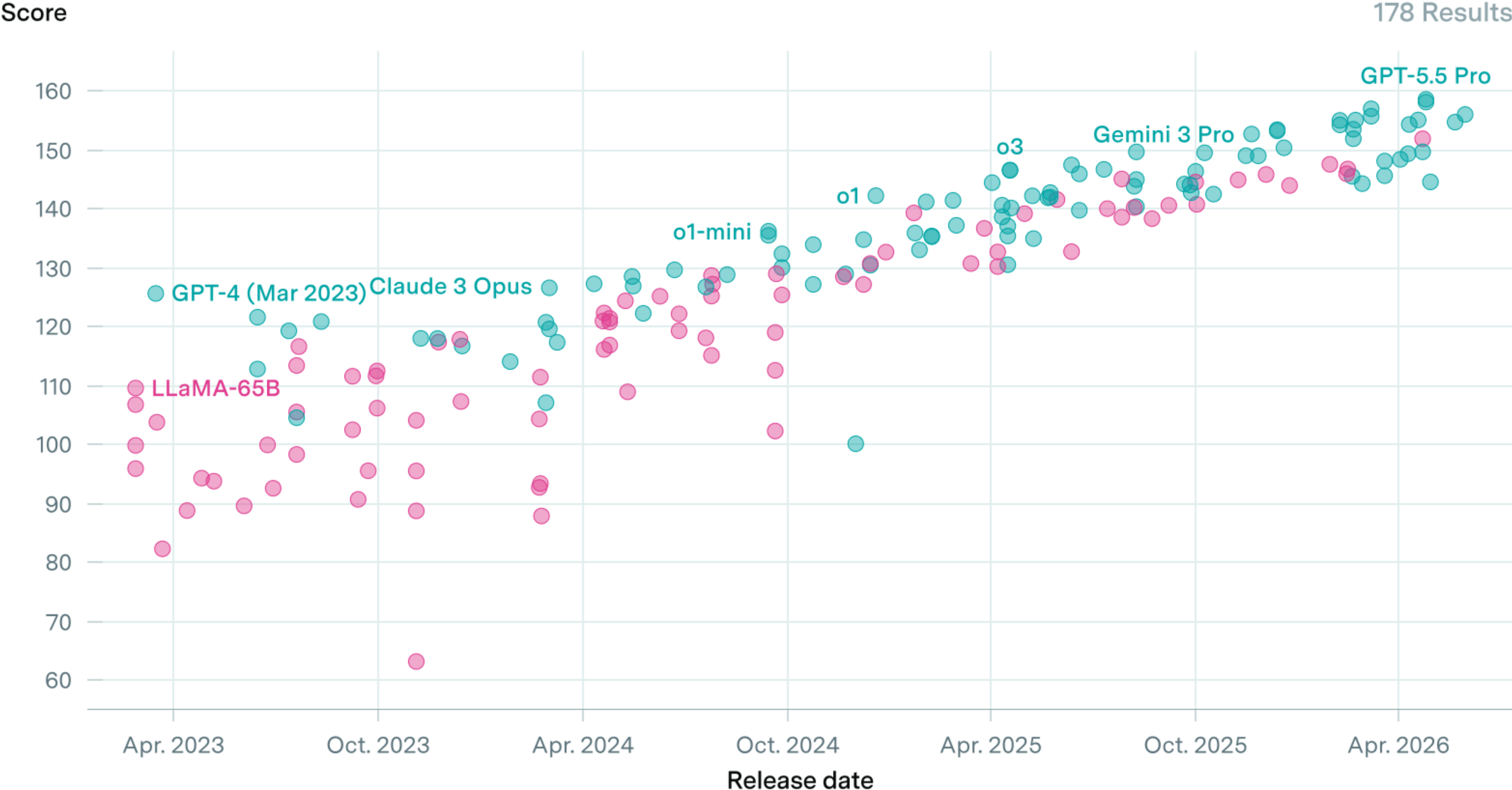


“Technology is neither good nor bad;
nor is it neutral.”

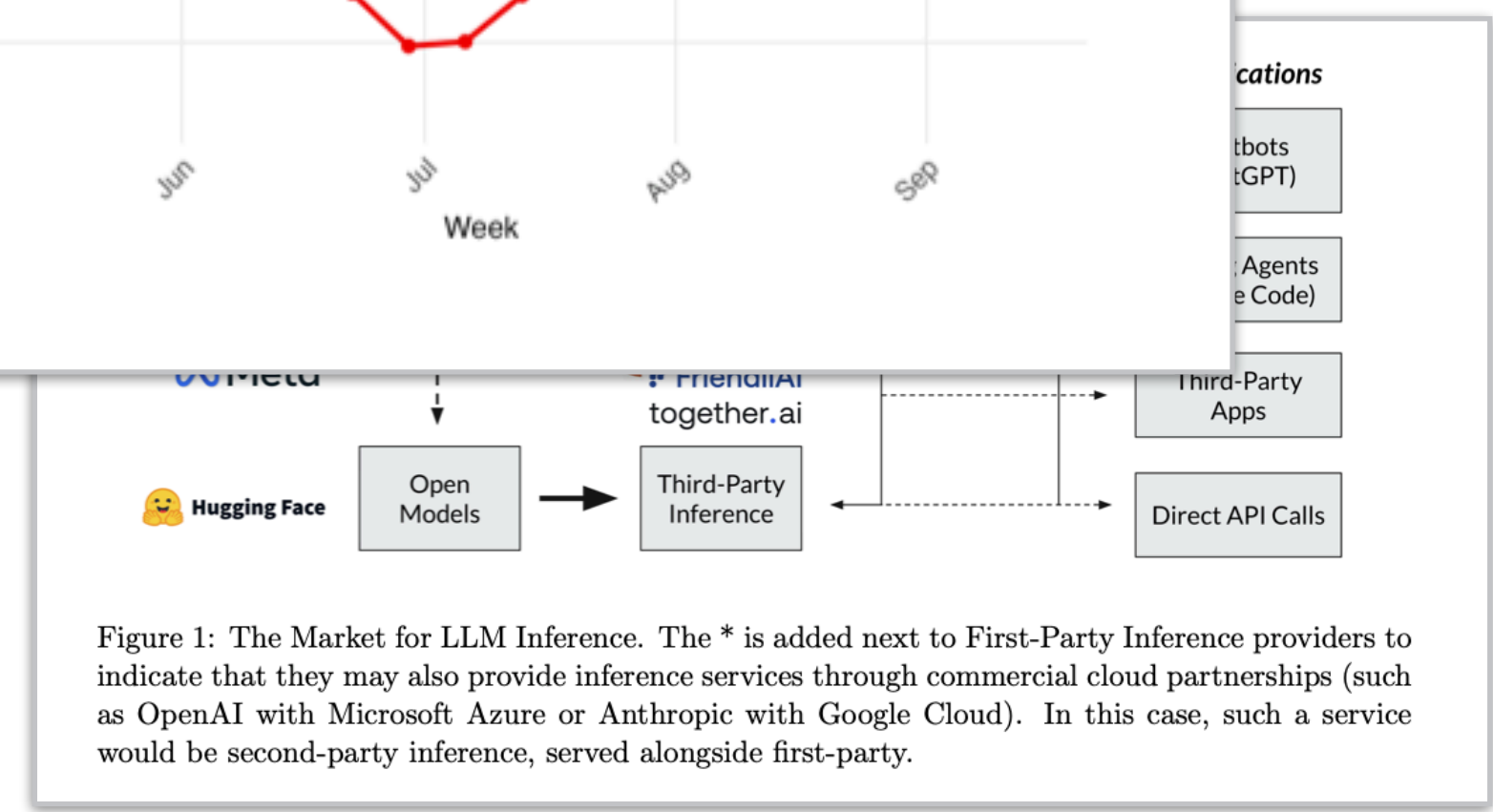
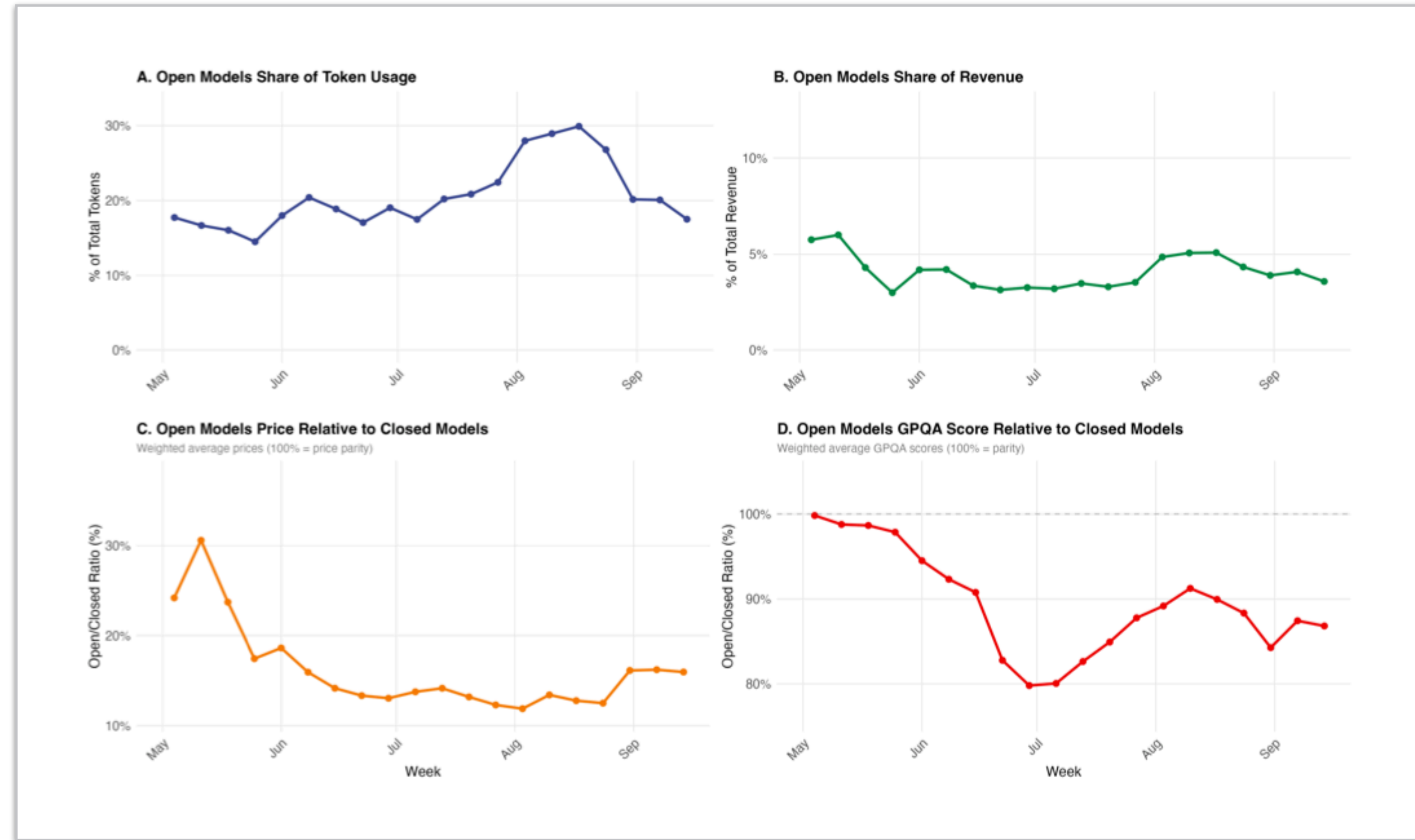
Melvin Kranzberg

“Open” als Alternative

Epoch Capabilities Index (ECI)

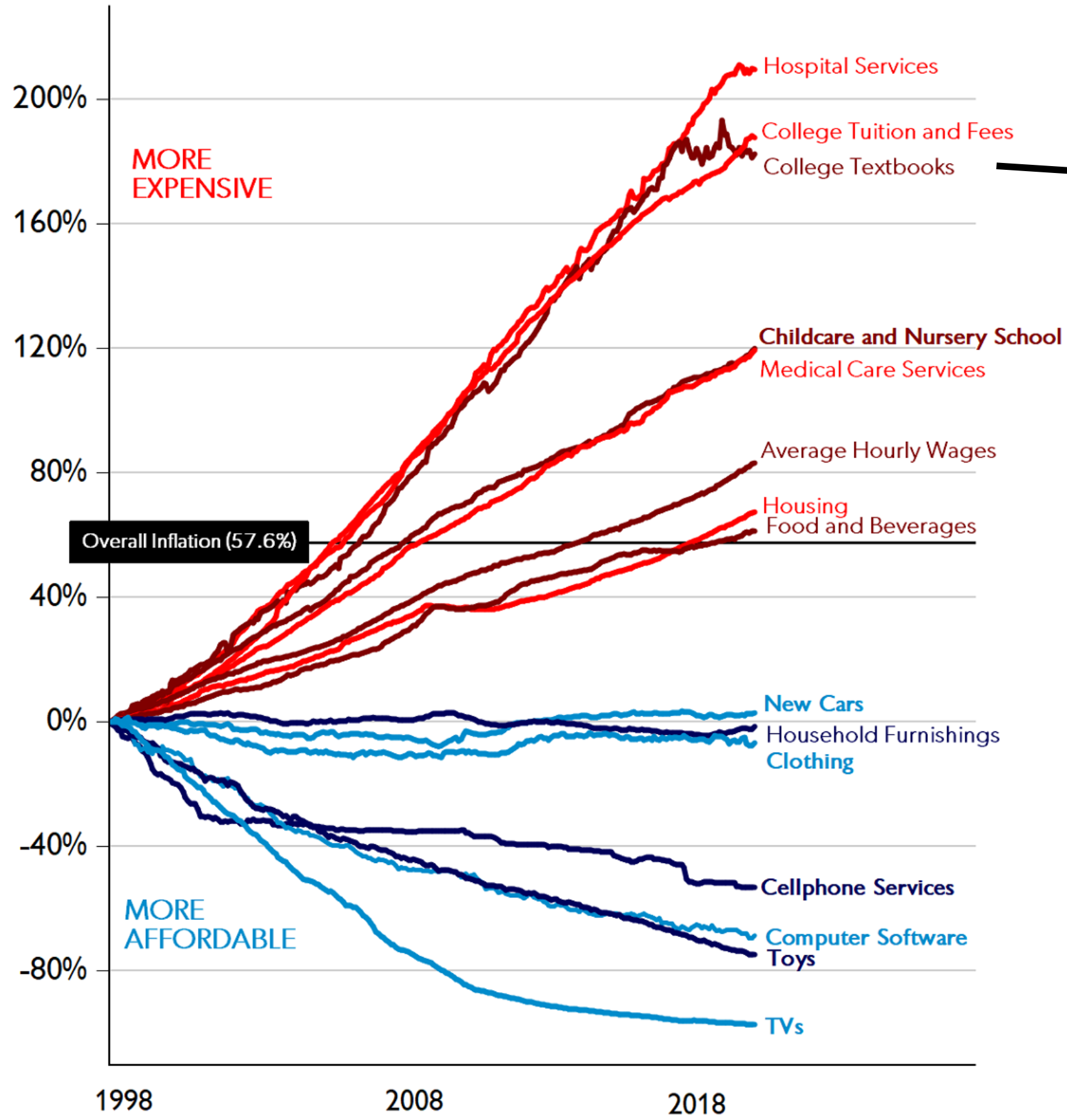


Qualität: ~90%
 Kosten: <20%
 Nutzung: ~20%



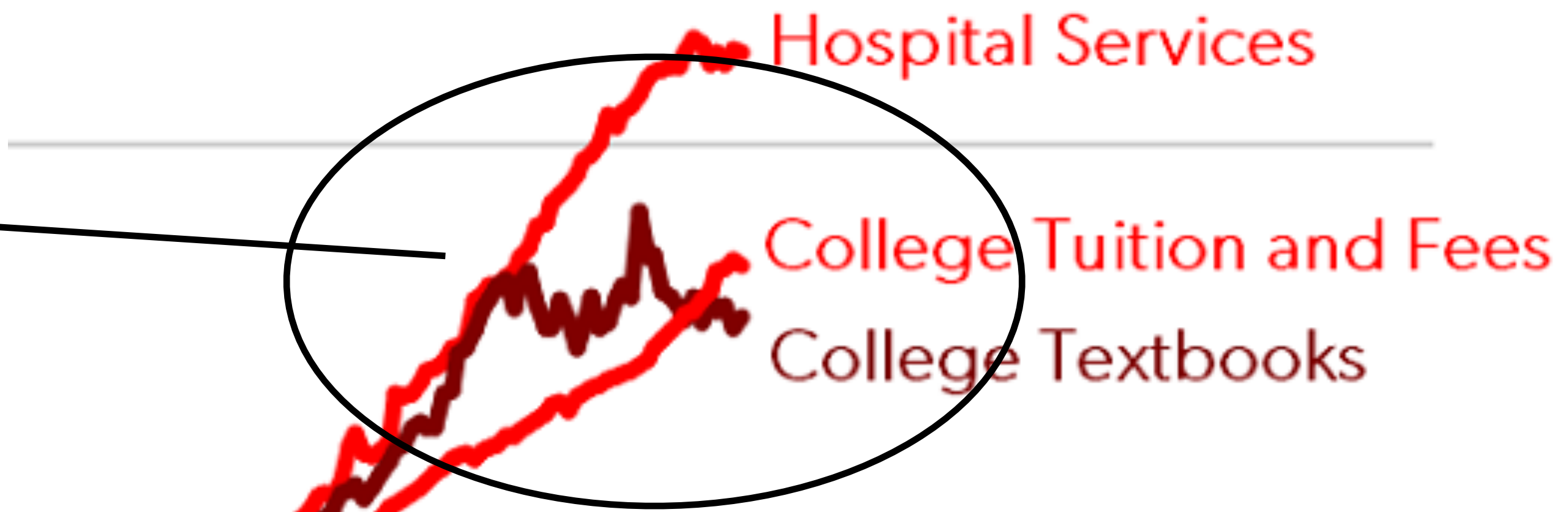
Kosten

Price Changes (January 1998 to June 2019)
 Selected US Consumer Goods and Services, Wages

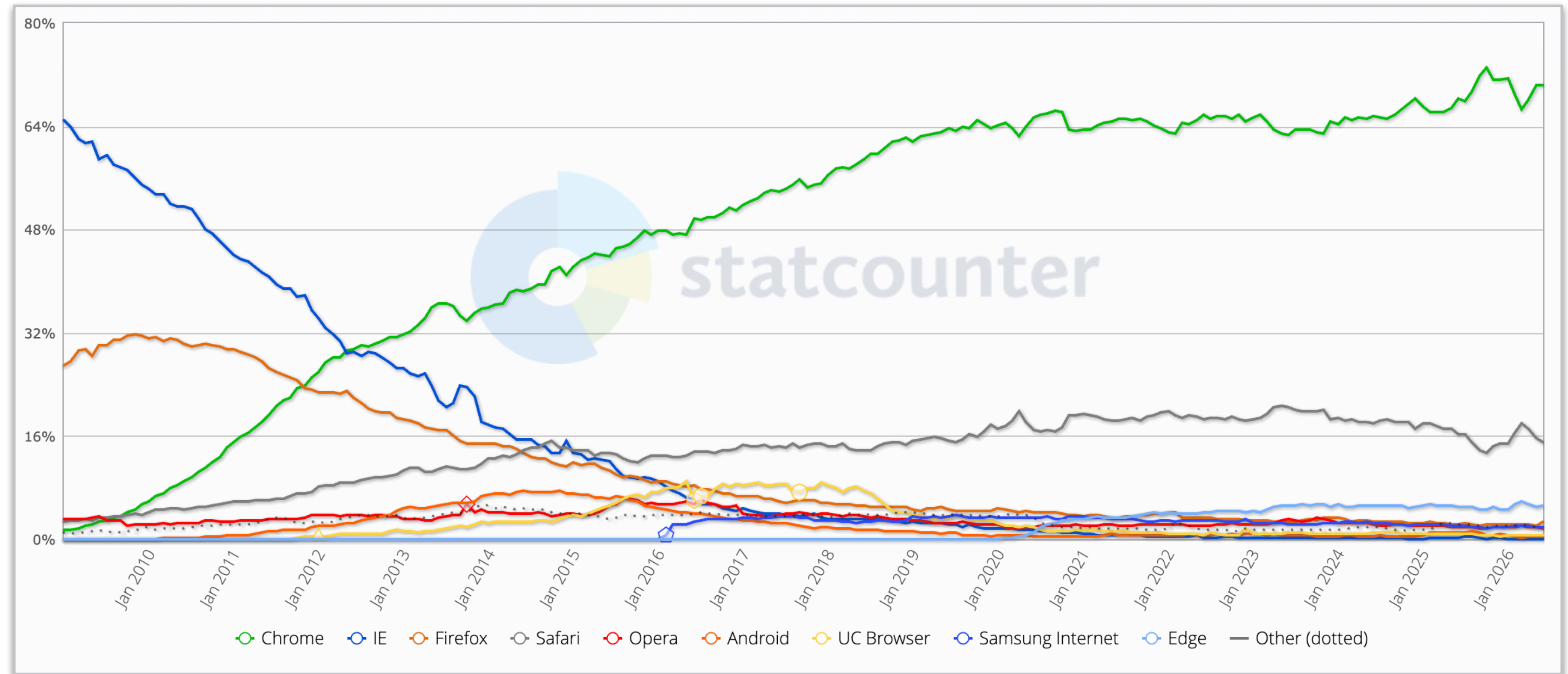


Source: BLS

Carpe Diem **AEI**



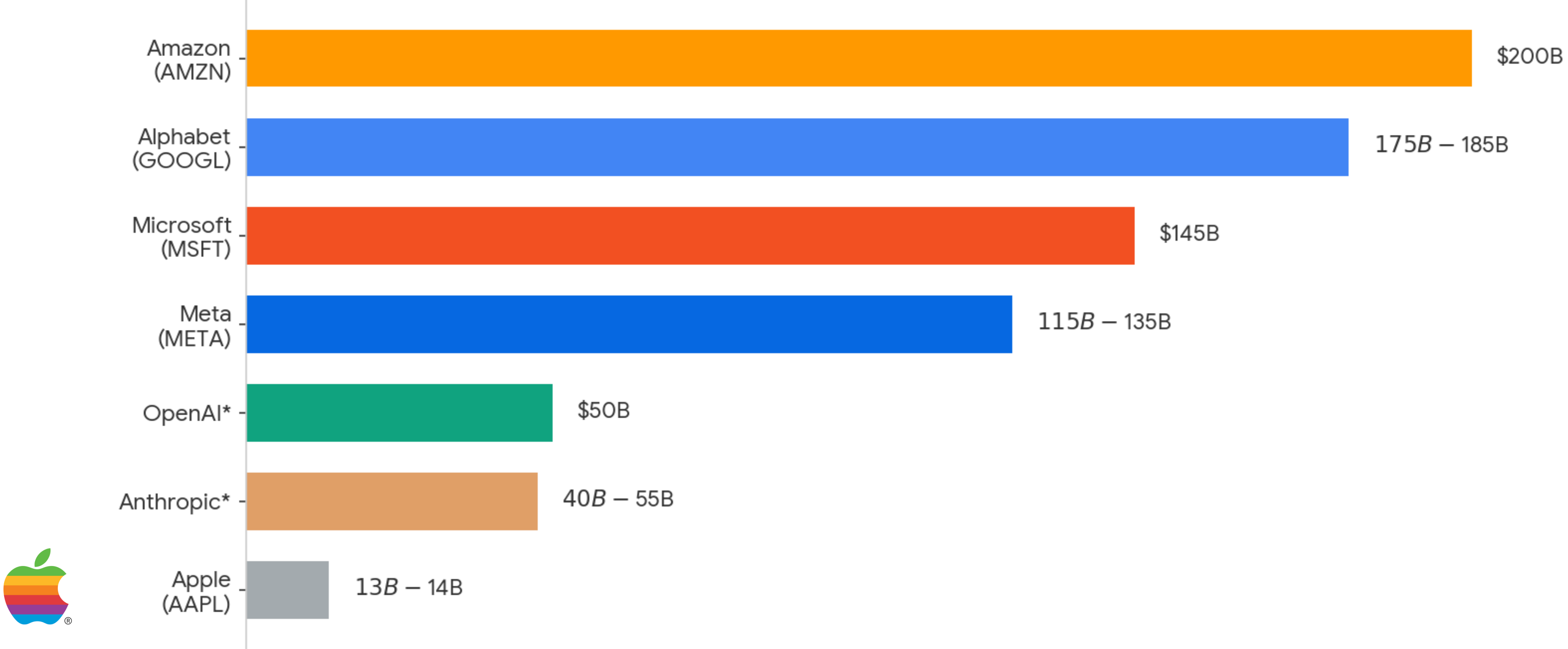
Standards



Spielraum

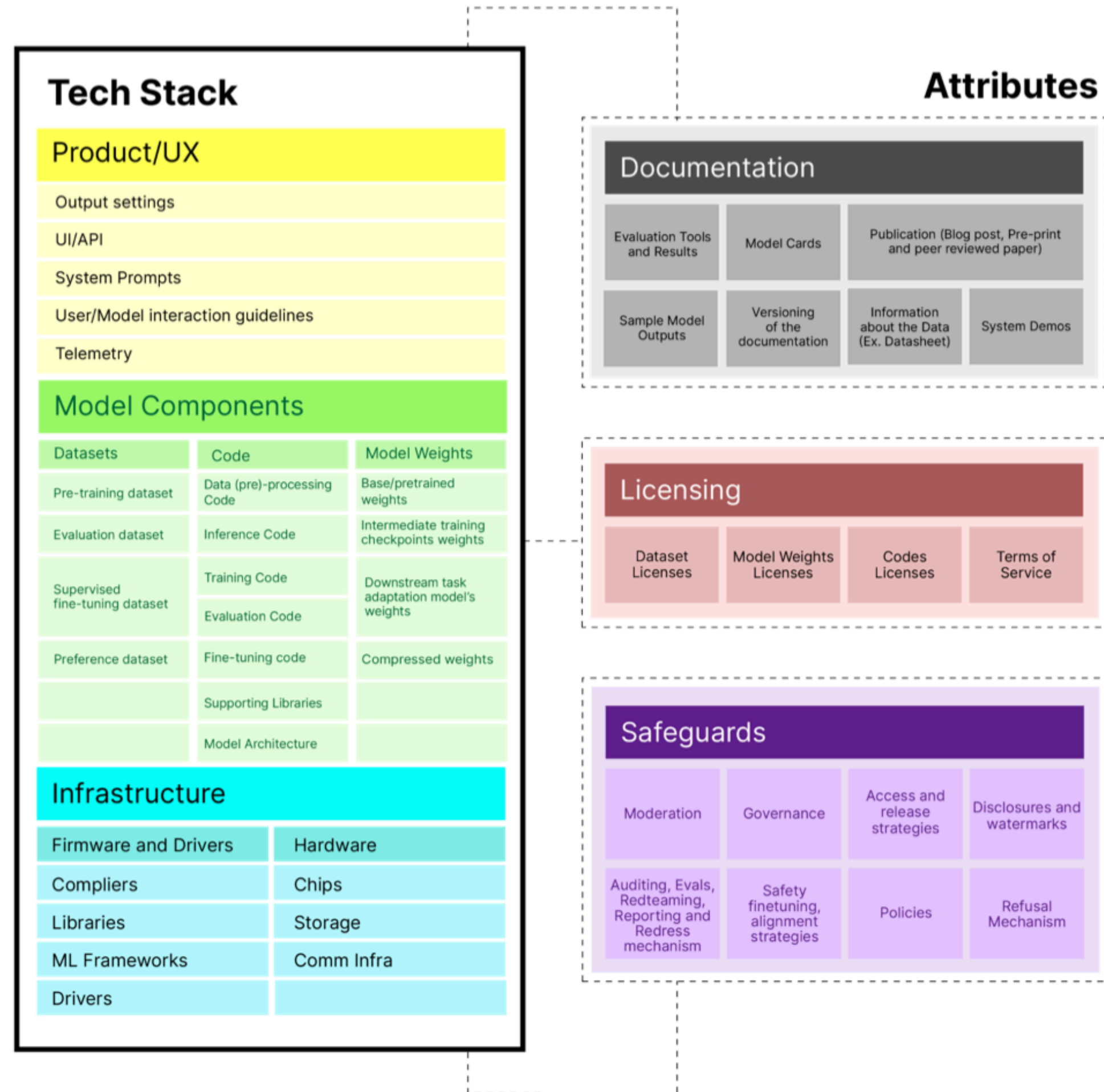
Open Source als Teil der “Tech Sovereignty Package”:	€ 2 Mrd / 7 Jahre
European Competitiveness Fund:	€ 48,5 Mrd / 6 Jahre (2028-2034)
EU Ausgaben (IT Produkte & Services):	€ 1,320 / 5 Jahre (264 Mrd * 5)
Capex Data Center Infrastruktur:	\$ 7,000 Mrd / 5 Jahre \$ 4,000 Mrd Compute
Neues Soziales Kapital (Philanthropy)	\$ 250 Mrd / 5 Jahre

Estimated 2026 AI / Infrastructure Spend Comparison (in Billions USD)



*Note: Pure-play AI developers reflect operational commitments to third-party cloud compute.

Wo investieren?



Enterprise Adoption

Integration mit bestehenden Systemen

Risiko / Compliance

Kosten

Developer Adoption

Qualität der Entwickler Umgebung

Geschwindigkeit

Qualität?

owners ~~not renters~~

powered by Mozilla

	A	B	C	F	G	H	I	J	K	L	M	N	O	Q	R
1	Layer	Subcategory	Description	Production Readiness	Ease of Adoption	Documentation	Community Activity	Performance vs Closed	Enterprise Readiness	Interoperability	Sustainability	Standardization	Criteria Avg	Maturity	Parity Verdict
2	Stack category	Specific component	What this layer covers	Ready for real-world deployment?	How easy to get started?	Quality of docs and guides	Active contributors and maintainers?	How does it compare to proprietary?	Security, compliance, support	Works well with other tools?	Long-term funding and governance	Common formats and APIs?	Mean of all criteria scores	Overall ecosystem maturity	Open source vs. closed standing
3	Infrastructure	Cloud Compute	GPU and CPU cloud services for training and inference	4	3	4	4	3	3	3	4	2	3.4	Viable, but fragmented	Competitive
4	Infrastructure	Communication Libs	Libraries for distributed computing across machines	4	3	4	4	3	2	3	4	2	3.3	Viable, but fragmented	Competitive
5	Infrastructure	Compilers	Tools that optimize models for specific hardware	3	3	3	4	2	2	3	3	2	2.9	Viable, but fragmented	Closed leads
6	Infrastructure	Firmware Drivers	Low-level software that talks to accelerator hardware	3	3	4	4	2	3	3	4	3	3.3	Viable, but fragmented	Closed leads
7	Infrastructure	Hardware Chips	AI-specific chips and accelerators	2	2	3	3	1	2	2	3	2	2.3	Early stage	Closed leads
8	Infrastructure	ML Frameworks	Core frameworks like PyTorch, JAX, TensorFlow	5	4	5	5	4	4	3	5	3	4.3	Strong	Competitive
9	Infrastructure	Storage	Data storage and retrieval for large-scale ML	4	3	4	4	3	2	3	4	3	3.4	Viable, but fragmented	Closed leads
10	Model Components: Datasets	Benchmark Eval Data	Standard datasets for measuring model performance	4	4	4	5	4	3	3	4	3	3.9	Strong	Competitive
11	Model Components: Datasets	Data Preprocessing	Tools for cleaning, filtering, and preparing training data	4	3	4	4	3	3	3	4	2	3.4	Viable, but fragmented	Competitive
12	Model Components: Datasets	Preference Alignment Data	Human feedback data for RLHF and alignment	4	4	3	5	5	3	4	4	3	4	Strong	Unique to open source
13	Model Components: Datasets	Pretraining Data	Large-scale corpora used to train foundation models	3	3	3	4	3	2	3	4	2	3.1	Viable, but fragmented	Closed leads
14	Model Components: Datasets	Synthetic Data	Machine-generated data for training augmentation	3	3	4	3	3	2	2	3	2	2.9	Viable, but fragmented	Closed leads
15	Model Components: Code	Evaluation Code	Scripts and tools for benchmarking models	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Competitive
16	Model Components: Code	Finetuning Code	Code for adapting pretrained models to specific tasks	3	3	3	4	3	2	3	4	2	3.1	Viable, but fragmented	Competitive
17	Model Components: Code	Inference Code	Code for running models in production	4	4	4	5	4	3	3	4	3	3.9	Strong	Competitive
18	Model Components: Code	Model Architecture	Neural network structure definitions	3	3	3	4	2	2	3	3	2	2.9	Viable, but fragmented	Closed leads
19	Model Components: Code	Supporting Libraries	Utility libraries for tokenization, data loading, etc.	4	4	4	5	4	3	4	4	4	4	Strong	Competitive
20	Model Components: Code	Training Code	End-to-end training pipelines and scripts	4	4	4	5	4	3	3	4	3	3.8	Strong	Competitive
21	Model Components: Weights	Base Pretrained	Foundation model weights before finetuning	4	4	4	5	4	3	3	4	3	3.9	Strong	Competitive
22	Model Components: Weights	Compressed Weights	Quantized or pruned models for efficiency	3	3	4	4	3	2	3	3	2	3.1	Viable, but fragmented	Closed leads
23	Model Components: Weights	Domain Weights	Models finetuned for specific fields (medical, legal, etc.)	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads
24	Model Components: Weights	Finetuned Chat	Instruction-tuned and chat-optimized model weights	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads
25	Model Components: Weights	Multimodal Weights	Models handling text, images, audio, or video	4	3	3	4	3	2	3	4	2	3.2	Viable, but fragmented	Competitive
26	Product / UX	Deployment	Tools for serving and scaling models in production	4	4	4	4	4	3	4	4	3	3.8	Strong	Competitive
27	Product / UX	Orchestration Agents	Frameworks for chaining LLM calls and tool use	3	3	3	4	3	2	2	4	2	3	Viable, but fragmented	Competitive
28	Product / UX	Output Settings	Controls for temperature, tokens, response format	3	3	4	4	3	2	2	3	2	3	Viable, but fragmented	Closed leads
29	Product / UX	System Prompt	System-level prompt configuration and management	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads
30	Product / UX	Telemetry Observability	Monitoring, logging, and debugging for LLM apps	4	3	4	4	3	2	3	4	3	3.4	Viable, but fragmented	Closed leads
31	Product / UX	Ui Api	User-facing interfaces and API endpoints	3	3	3	4	2	2	3	3	2	2.9	Viable, but fragmented	Closed leads
32	Documentation	Data Documentation	Data cards, provenance, and lineage docs	4	3	3	4	3	2	3	3	2	3.1	Viable, but fragmented	Closed leads
33	Documentation	Eval Results	Published benchmark results and comparisons	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads
34	Documentation	Model Cards	Standardized model documentation (capabilities, limits)	3	3	3	4	2	2	2	3	2	2.7	Viable, but fragmented	Closed leads
35	Documentation	Sample Outputs Demos	Example outputs and interactive demos	4	4	4	5	4	3	3	4	3	3.9	Strong	Competitive
36	Licensing	Code Licenses	License terms for source code	3	4	4	3	2	2	3	3	3	3	Viable, but fragmented	Closed leads
37	Licensing	Dataset Licenses	License terms for training data	5	4	4	4	3	3	4	4	4	3.9	Strong	Competitive
38	Licensing	Terms Of Service	Usage policies and acceptable use terms	2	3	2	2	2	1	2	2	1	1.9	Early stage	Closed leads
39	Licensing	Weight Licenses	License terms for model weights	4	3	3	3	3	3	2	4	2	3.1	Viable, but fragmented	Competitive
40	Safeguards	Access Release	How models are distributed and access-controlled	4	4	4	5	3	2	3	4	2	3.5	Viable, but fragmented	Closed leads
41	Safeguards	Auditing Reporting	Third-party audits and transparency reports	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads
42	Safeguards	Governance	Decision-making structures and oversight	3	3	4	4	3	2	3	4	2	3.2	Viable, but fragmented	Closed leads
43	Safeguards	Moderation	Content filtering and safety guardrails	3	3	3	3	2	2	2	3	2	2.6	Viable, but fragmented	Closed leads
44	Safeguards	Safety Alignment	Techniques to align model behavior with human values	3	3	3	4	3	2	3	3	2	3	Viable, but fragmented	Closed leads

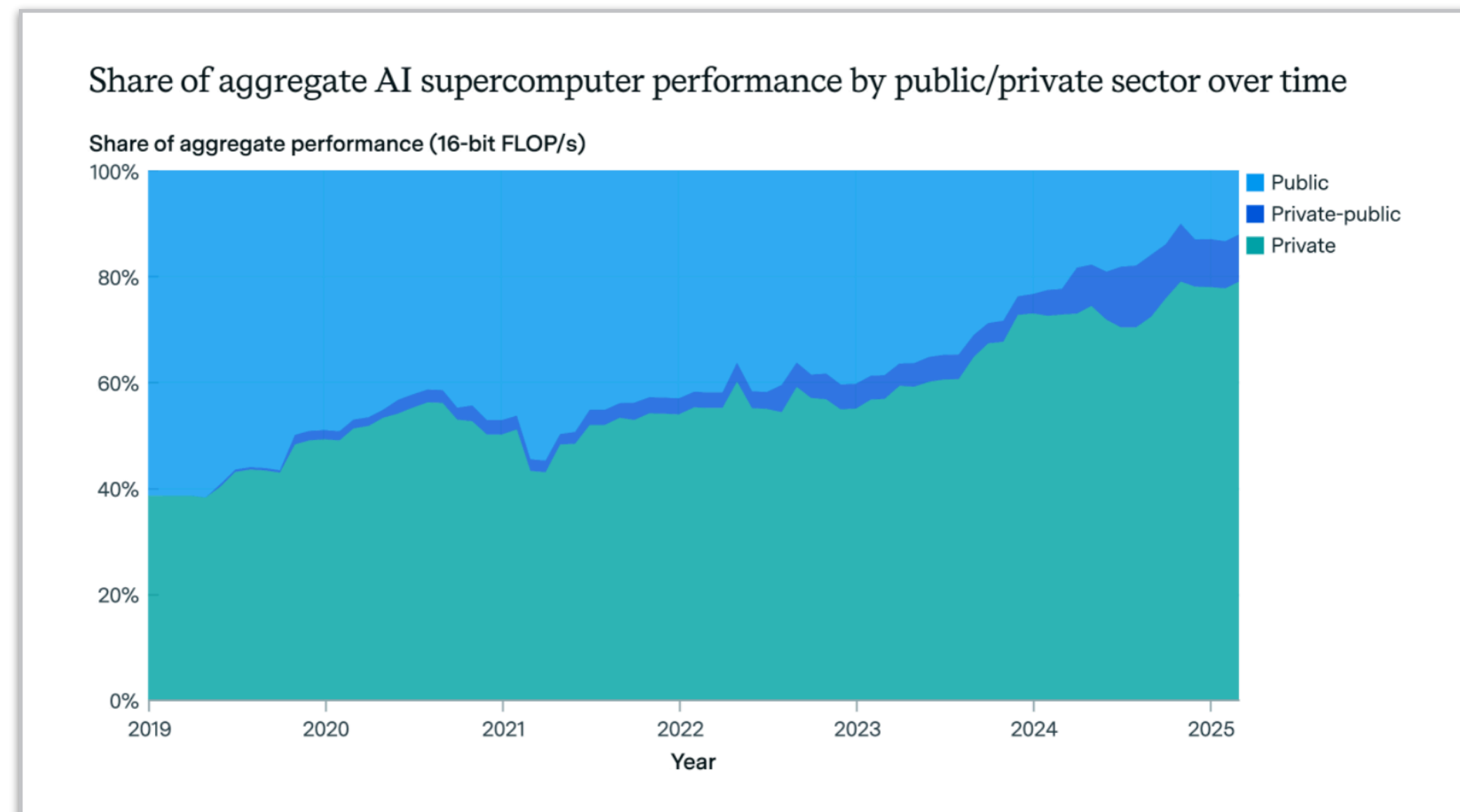
EntwicklerInnen

“Closed AI systems are winning today because they are genuinely easier to use. If you’re a **developer** with an idea you want to test, you can have a working prototype in minutes using a single API call to one of the major providers. GPUs, models, hosting, guardrails, monitoring, billing — it all comes bundled together in a package that just works.”

Raffi Krikorian, CTO Mozilla

Rank	Sourceforge 2008		GitHub 2010		GitHub 2021		Rank Chg. vs. 2008
	Country	Share	Country	Share	Country	Share	
1	United States	36.1	United States	38.7	United States	24.6	-
2	Germany	8.1	UK	7.7	China	5.8	+4
3	UK	5.1	Germany	6.2	Germany	5.6	-1
4	Canada	4.2	Canada	4.3	India	5.4	+7
5	France	3.8	Japan	3.9	UK	5.0	-2

Infrastruktur



Hyperscalers kontrollieren >80% des globalen Compute. Rapide Verschiebung seit 2019.



Öffentliche Netzwerke (Forschung) existieren und können gezielt genutzt werden, um Zugang zu vergrössern.

Open = Kollaboration

Anschaffung: University Innovation Alliance

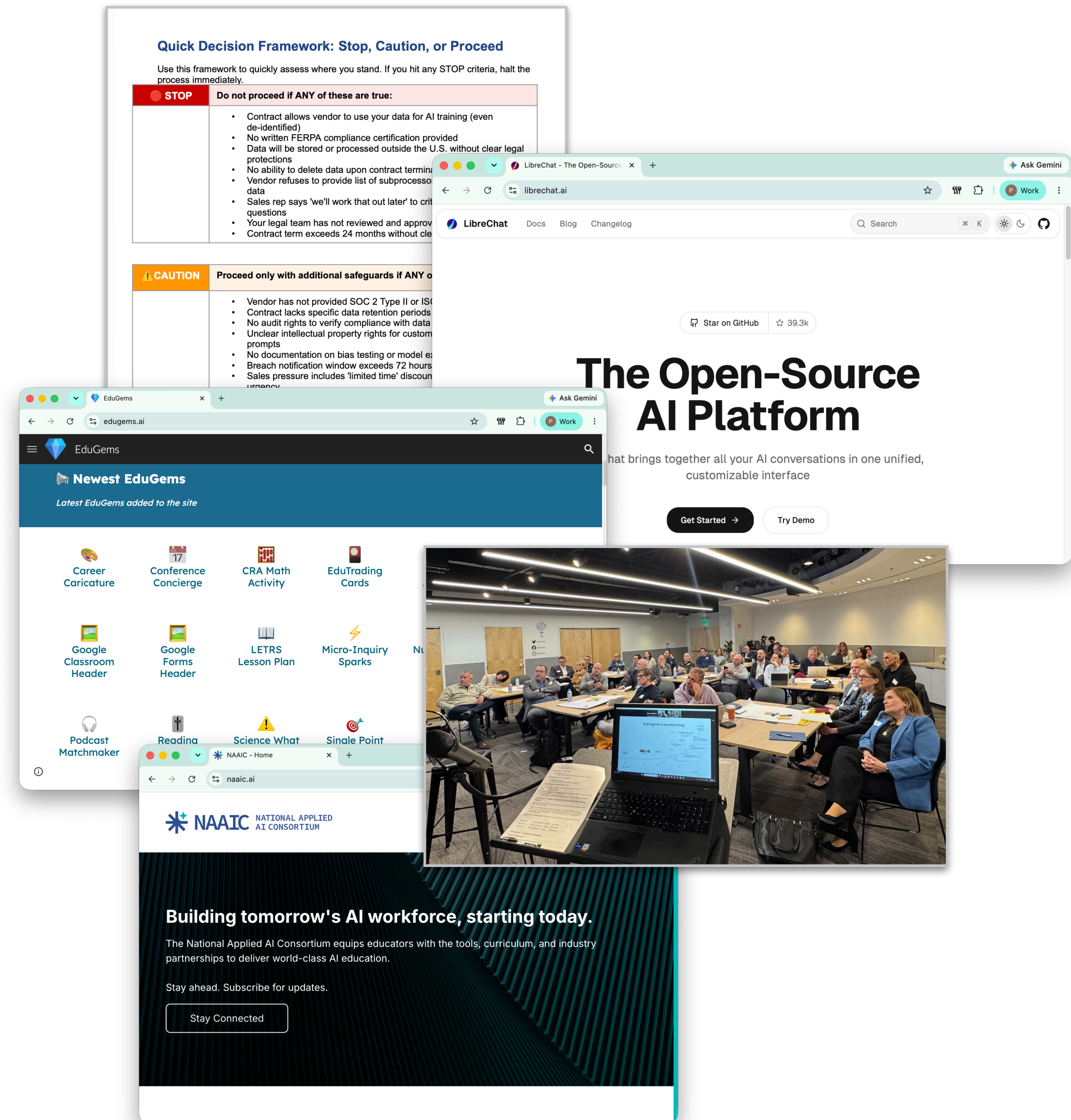
Anwendungen: Libre Chat, Edu Gems

Netzwerke: Chief AI Officers

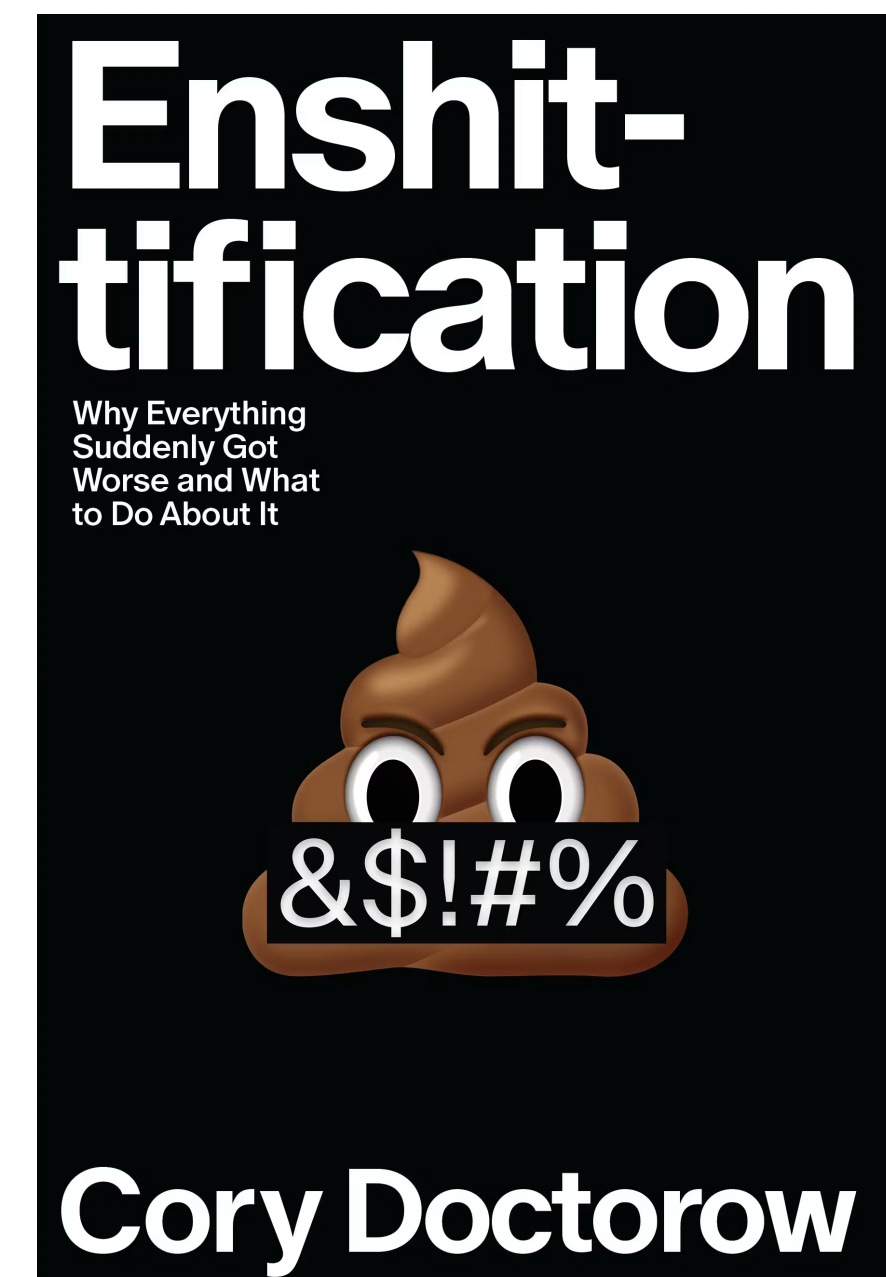
Ressourcen: “AI Starter Kit”

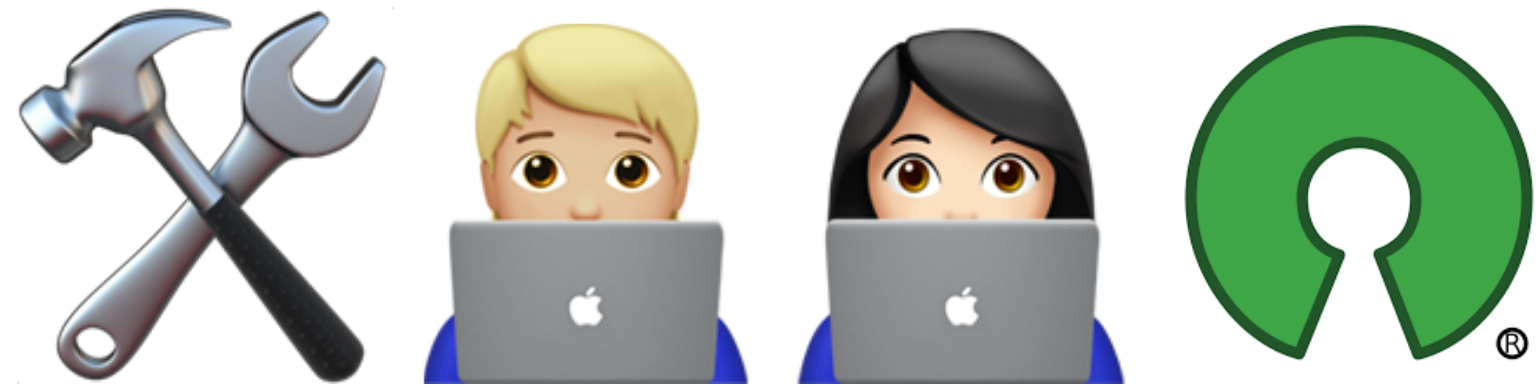
Bildungsangebote: NAAIC (~400 colleges)

HFD!

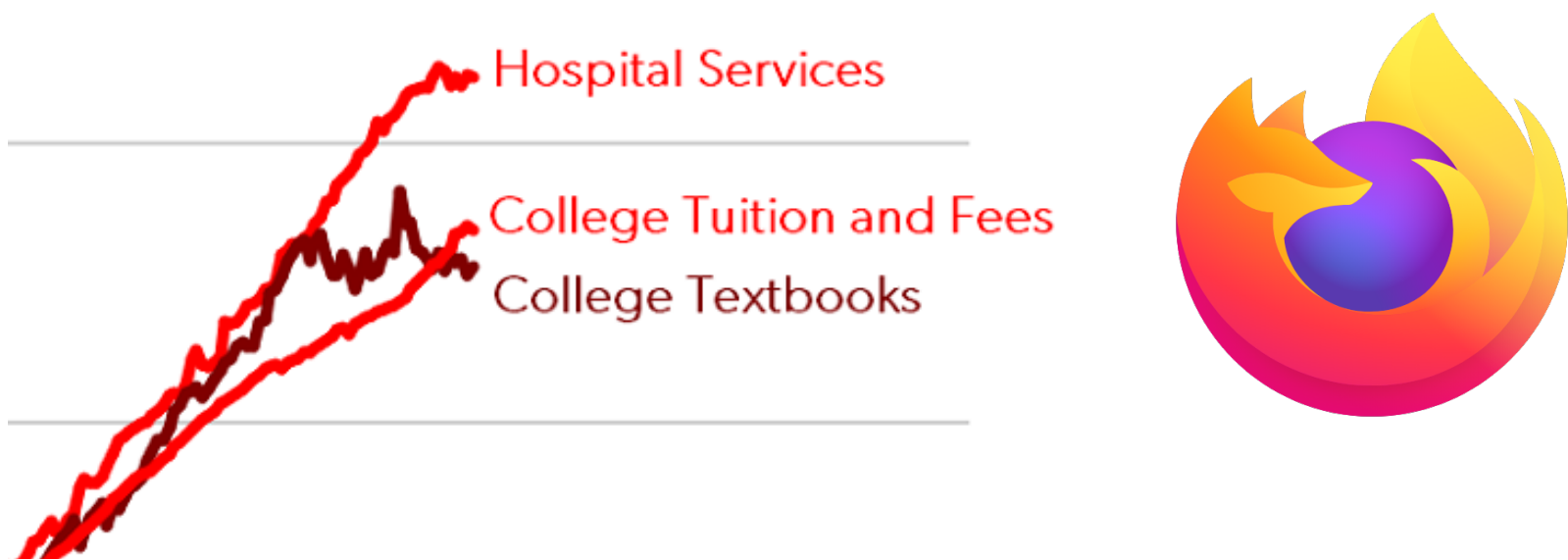


Open als Alternative

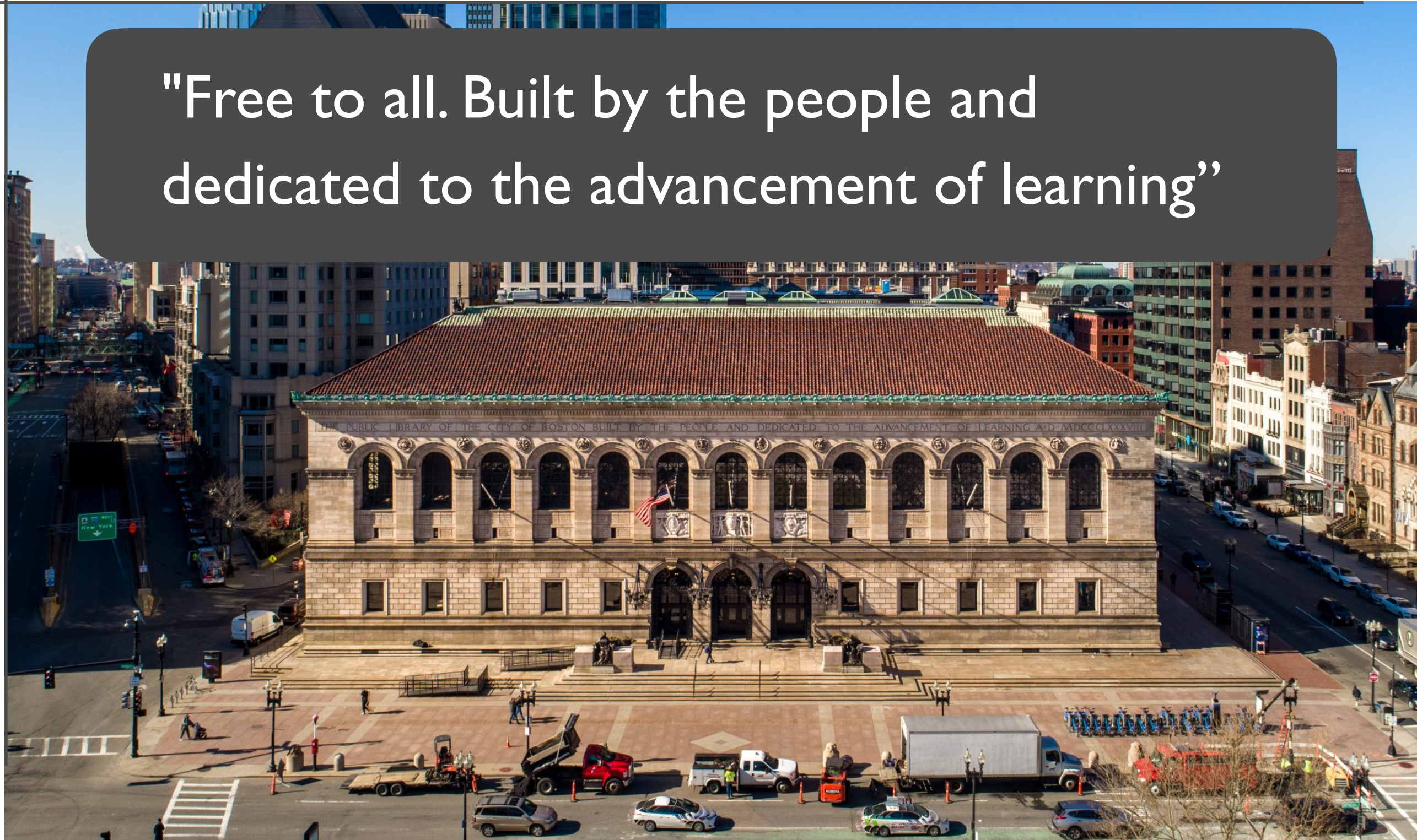




owners
~~not renters~~
AND



"Free to all. Built by the people and dedicated to the advancement of learning"





J. Philipp Schmidt
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