



AI: Driving Force

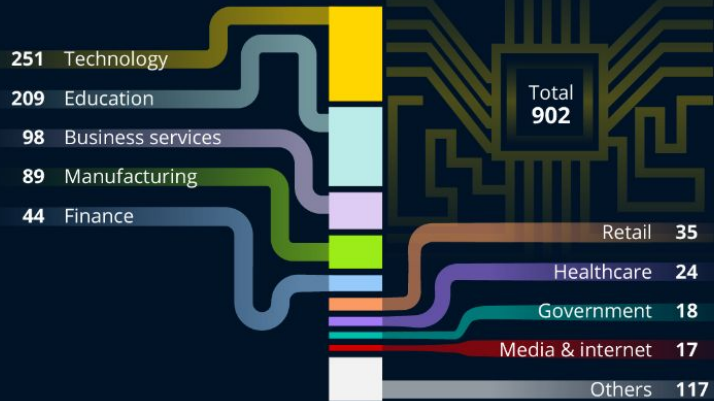
Are we re-inventing ourselves and getting better or
are we getting obsolete?

Diego
Pacheco

Disruption is coming

Which Sectors Are Working With OpenAI?

Number of companies/organizations using Open AI in their business processes worldwide, by sector* (as of Jan. 2023)

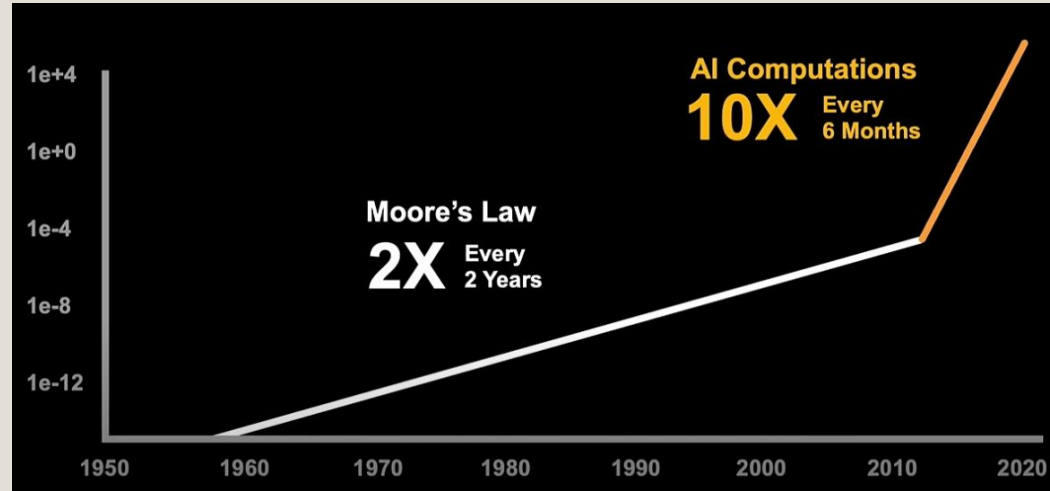


* OpenAI is an artificial intelligence research and deployment company (e.g. ChatGPT)

Source: Enterprise Apps Today



statista



<https://www.weforum.org/stories/2023/02/future-jobs-workplace-ai-microsoft/>

<https://www.youtube.com/watch?v=EXhqaPjrrQA>

But... Self-Driving Cars



<https://futurism.com/video-elon-musk-promising-self-driving-cars>
<https://www.youtube.com/watch?v=dplh8drVTmU>



New year(2014)

It's AI hands on or hands-off?



Hands Off

VS



Hands On

Bill's Predictions



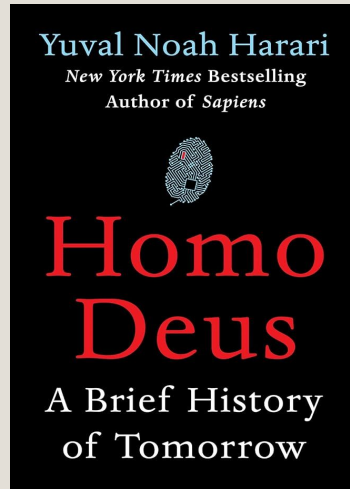
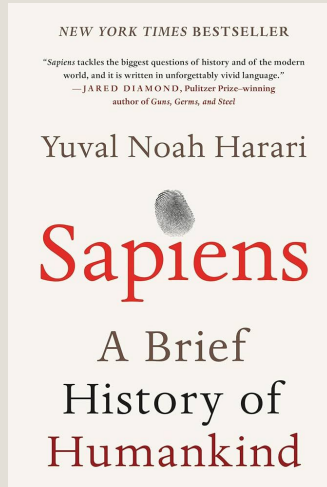
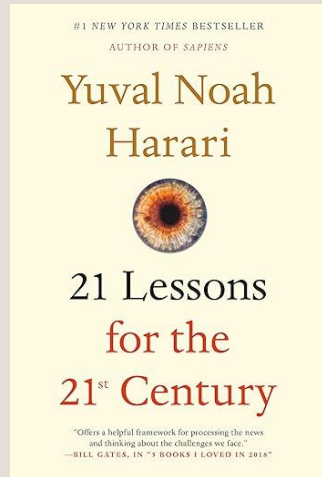
Will Survive AI:

1. Coders: Architects of AI
2. Energy Experts
3. Biologists



<https://economictimes.indiatimes.com/magazines/panache/bill-gates-predicts-only-three-jobs-will-survive-the-ai-takeover-here-is-why/articleshow/119533999.cms?from=mdr>

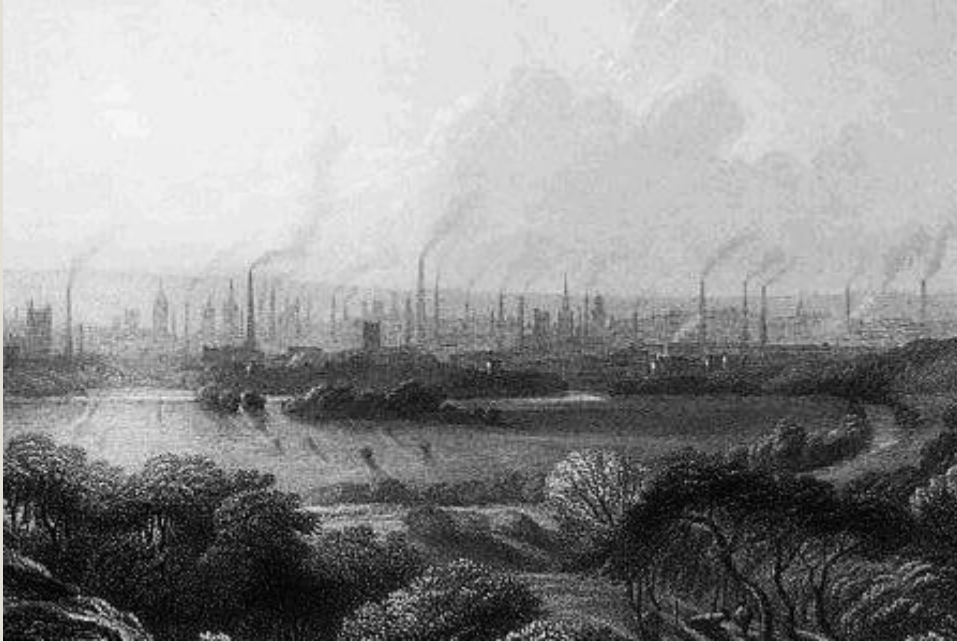
Yuval Noah Harari



We need
Philosophers



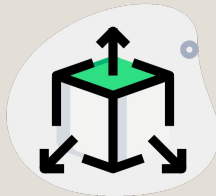
Jevon Paradox



Expectations



Expect results faster



Bigger Attack Surface

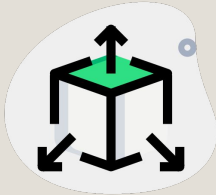


Lower Barrier

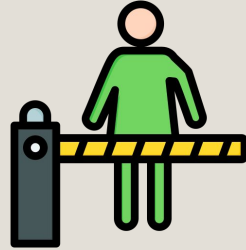
Security will be harder



Phishing attacks

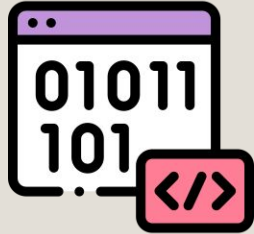


Bigger Attack Surface



Lower Barrier

Tech Debt will increase



More code
Less Reuse



Anti-Patterns
Faster replication

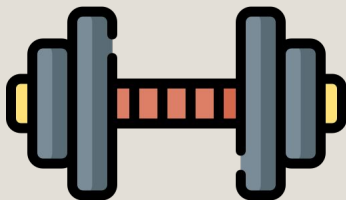


Code Review
Will be harder

Learning is harder



LLM-Ops
LLM Proxy



Speed vs
Learning



Tool vs
Hard Skills

LLM Models are commodities



Everybody
Has the same
access



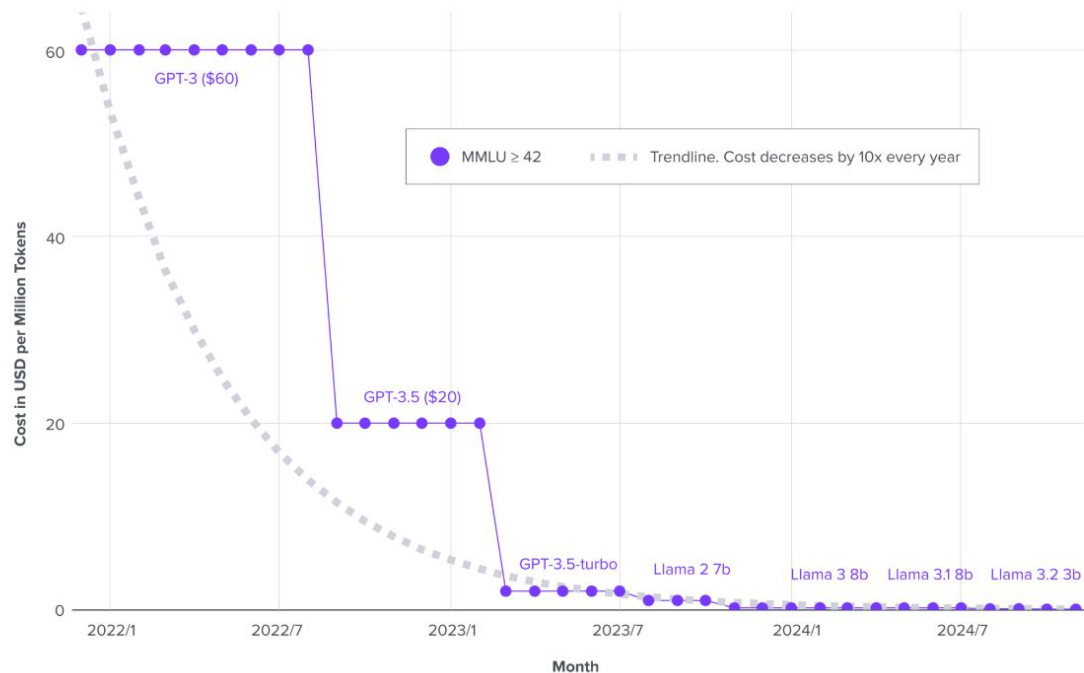
We have one
internet



Model Cost
Is going down

LLM Models are commodities

Cost of the Cheapest LLM with a Minimum MMLU Score of 42



Learning Opportunities



Vintage Coding
Dojos



Ask to Explain
but verify



Do it better,
demand more from
humans

Engineering Opportunities



Faster &
Cheaper Migrations



Increase
Testing Coverage



Speed up Discovery

<https://devin.ai/customers/nubank>

<https://arxiv.org/abs/2402.09171>

<https://openai.com/index/introducing-deep-research/>

more...



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Thank you!

Diego
Pacheco