



presented in

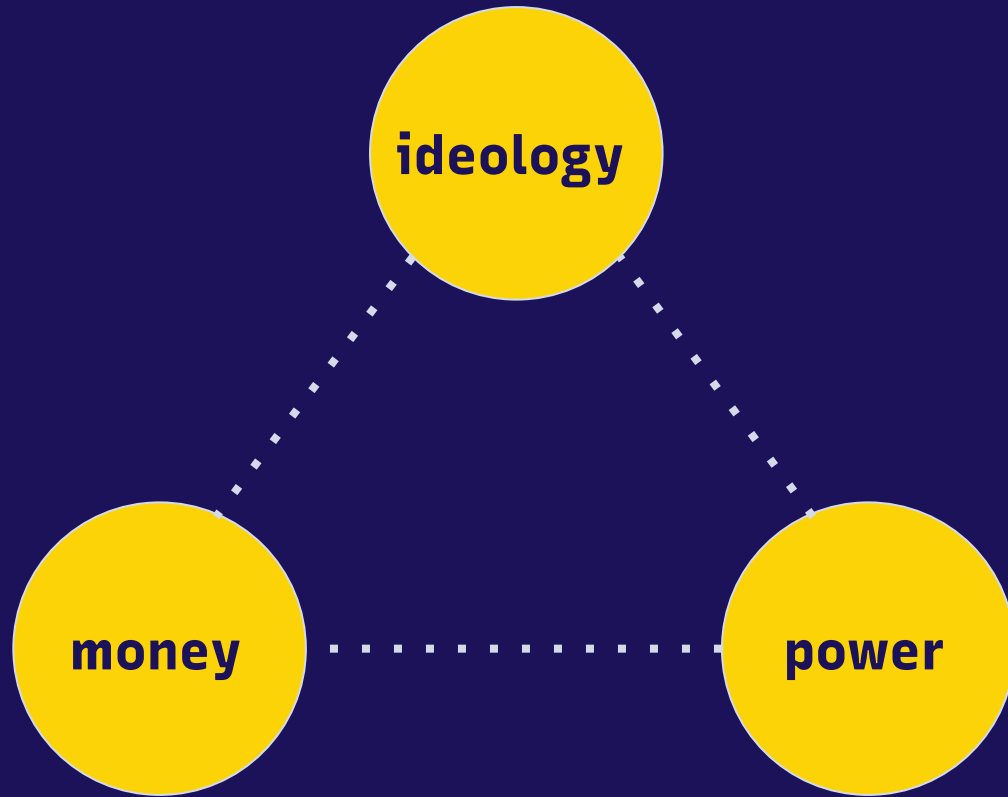
Track 1 ▪ Track 2 ▪ Track 3

Past, present, and future of AI

What we will cover in this module

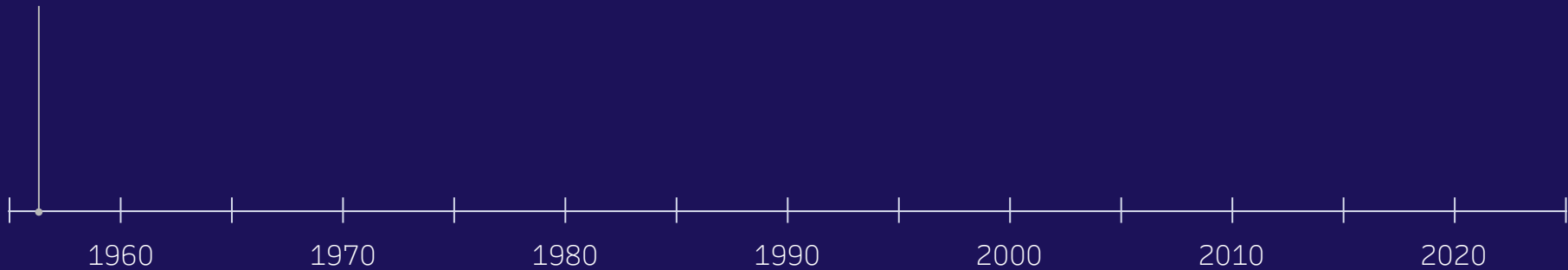
- The definition of AI
- AI's evolution through history
- The modern-day AI development paradigm





artificial intelligence, n.
a name for a grab bag of
technologies that are
supposed to mimic human
capabilities

“artificial
intelligence”

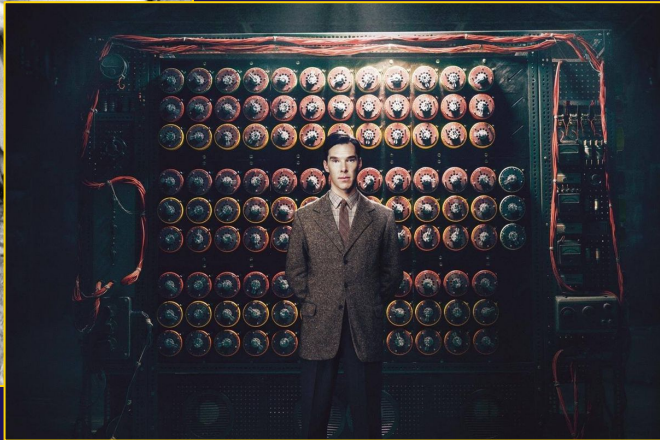




Marvin Minsky

John McCarthy

“artificial intelligence”

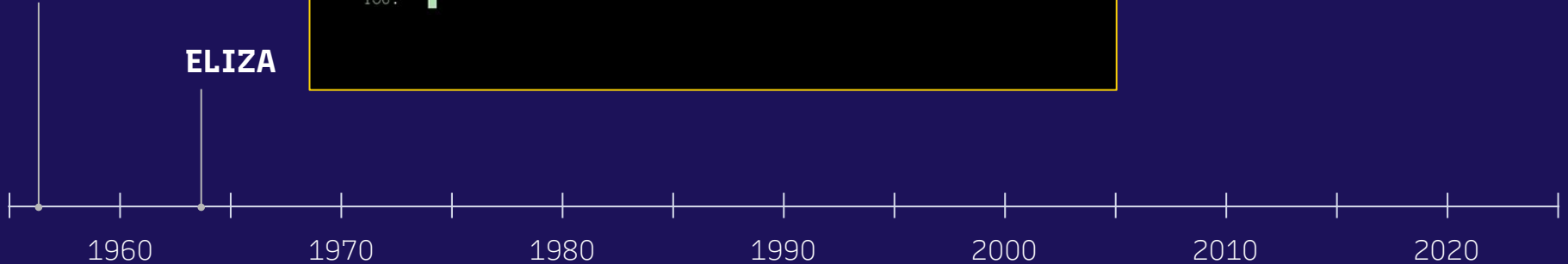


"artificial intelligence"

ELIZA

```
Welcome to  
EEEEEE LL      IIII ZZZZZZZ AAAAA  
EE      LL      II      ZZ  AA  AA  
EEEEEE LL      II      ZZZ  AAAAAAA  
EE      LL      II      ZZ  AA  AA  
EEEEEE LLLLLL IIII ZZZZZZZ AA  AA
```

```
ELIZA: Is something troubling you ?  
YOU:   The weather  
ELIZA: Tell me more about that.  
YOU:   The weather is awful  
ELIZA: Please go on.  
YOU:   That's it  
ELIZA: Does talking about this bother you ?  
YOU:   It is  
ELIZA: Tell me more about that.  
YOU:   █
```



Hi Eliza, I'm feeling down today

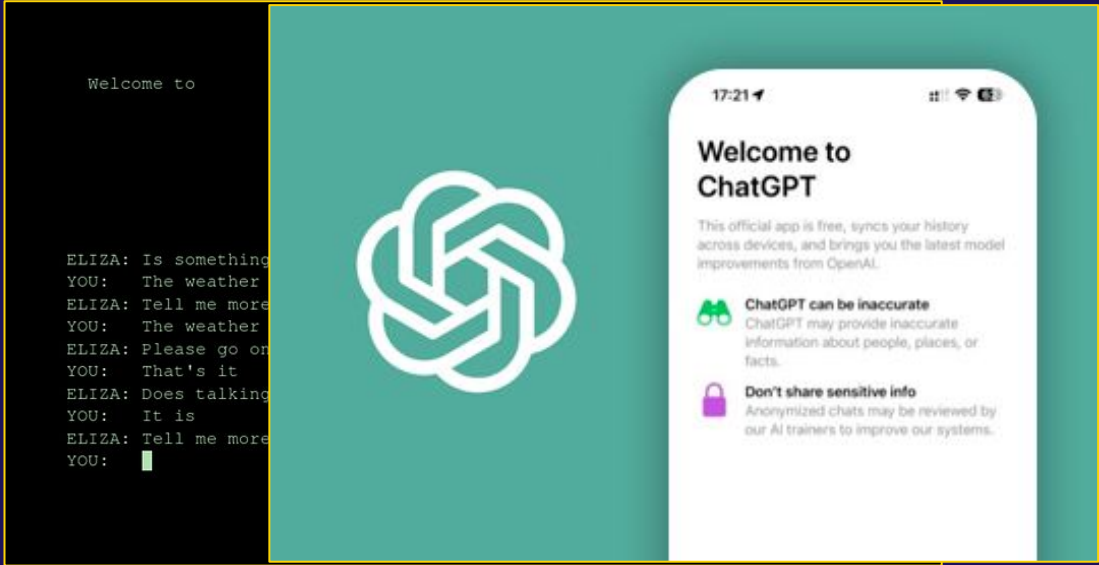
Why are **you feeling down today** ?

My friend said something mean to me.

Do you think it's normal that **your friend said something mean to you** ?

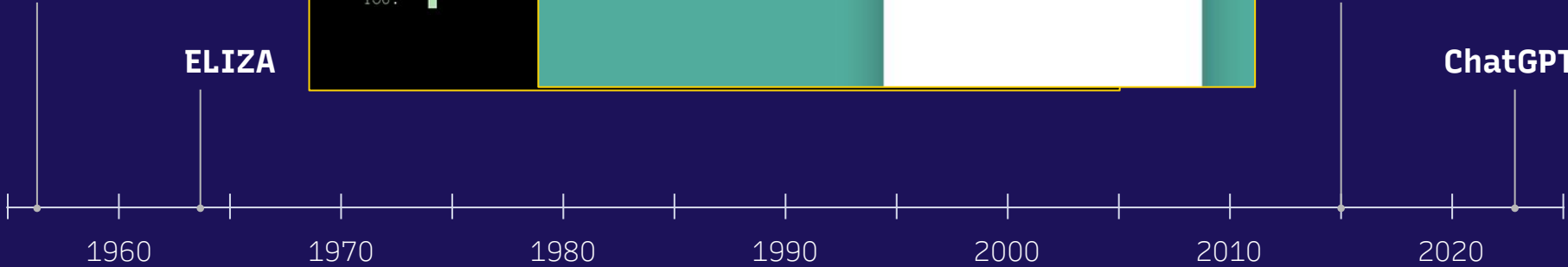
“artificial intelligence”

ELIZA



“artificial general intelligence”

ChatGPT



VISION
Rule-based
systems

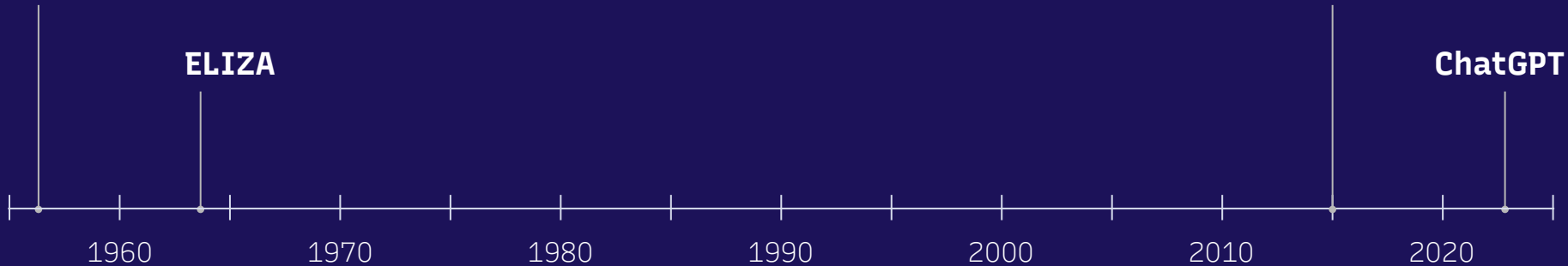
VISION
Big data, big
compute systems

"artificial
intelligence"

ELIZA

"artificial
general
intelligence"

ChatGPT



mass internet
scrapes of data

data + compute = AI

computational
resources

VISION
Rule-based
systems

WHO
Academics +
governments

VISION
Big data, big
compute systems

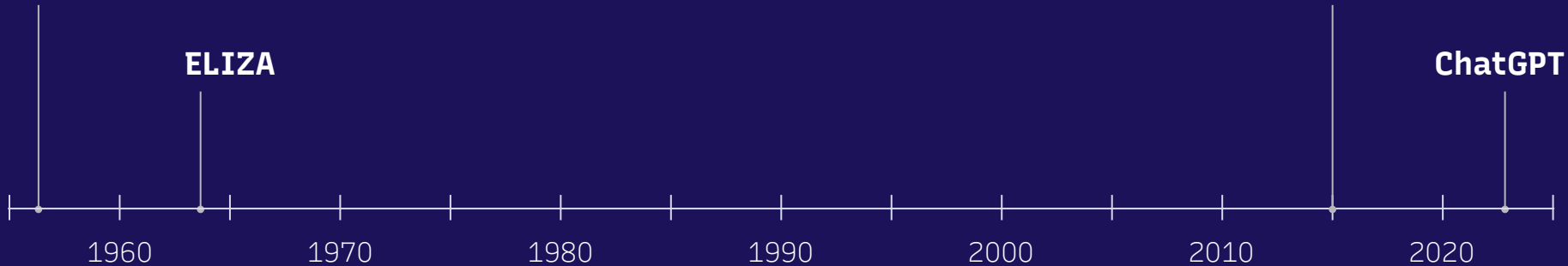
WHO
Big Tech

**"artificial
intelligence"**

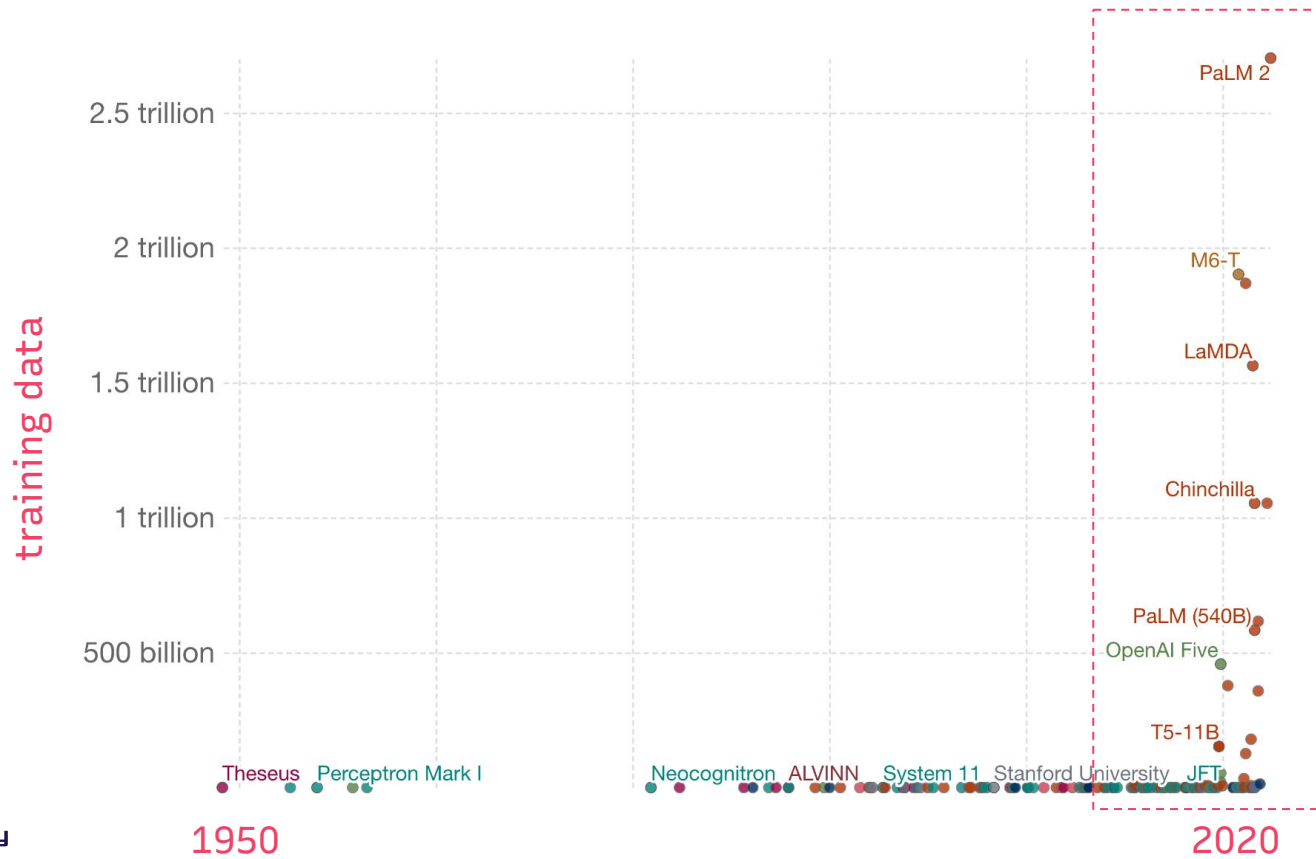
ELIZA

**"artificial
general
intelligence"**

ChatGPT



AI systems are using... ...more and more data



2019
GPT-2
↓
1.5 billion
parameters

2020
GPT-3
↓
175
billion

2023
GPT-4
estimated
1.8 trillion

POLITICS

Trump announces up to \$500 billion in private sector AI infrastructure investment

By Jennifer Jacobs
Updated on: January 22, 2025 / 4:00 PM EST / CBS News



**\$25.8 billion
(1973)
~\$300 billion
(2025)**

The era of limits

Generative AI tools are quickly 'running out of text' to train themselves on, UC Berkeley professor warns

Gabriel Rivera Jul 11, 2023, 6:20 PM GMT+2

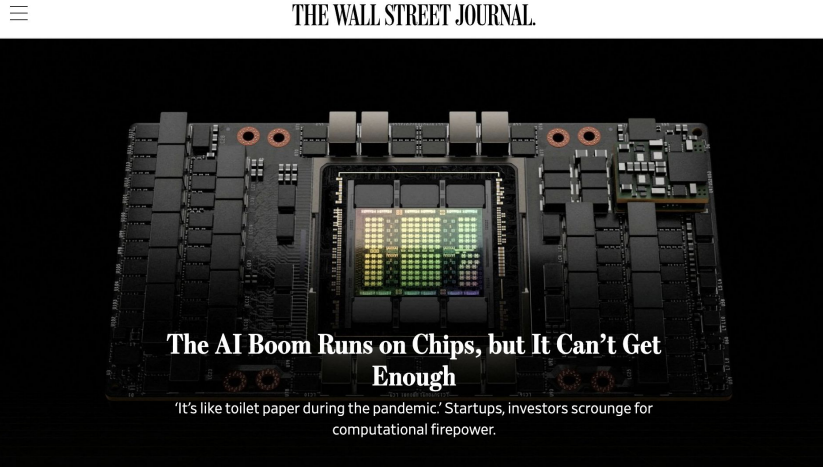


Technology

OpenAI CEO Altman says at Davos future AI depends on energy breakthrough

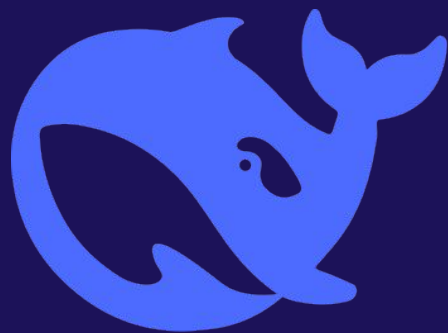
Reuters

January 17, 2024 1:39 AM GMT+8 - Updated 2 months ago



The AI Boom Runs on Chips, but It Can't Get Enough

'It's like toilet paper during the pandemic.' Startups, investors scrounge for computational firepower.

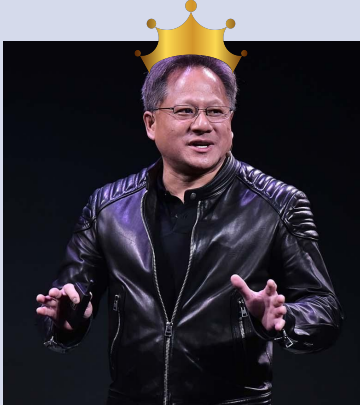


deepseek



 OpenAI

 Microsoft



 NVIDIA



 Google DeepMind



ANTHROPIC
amazon



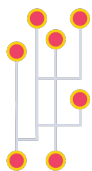
 Meta

Common mistakes in AI reporting

- Accepting AI today as what it is without questioning the premise of *why* it is that way.
- Referring to AI as one instead of many technologies.
- Quoting AI business leaders or others with financial ties to the AI industry as “experts” without acknowledging those ties.
- Anthropomorphizing AI as human-like “intelligence.”
- Forgetting that this is a story about the people.

A graphic for the AI Spotlight Series. It features the text "AI Spotlight Series" in a bold, pink, sans-serif font. To the left of the text is a vertical line with four circular nodes. The top node is yellow, the second is light blue, the third is light blue, and the bottom is light blue. A horizontal line extends from the top node to the right, ending in a yellow circle.

AI Spotlight Series



**The AI
Accountability
Network**



Pulitzer Center