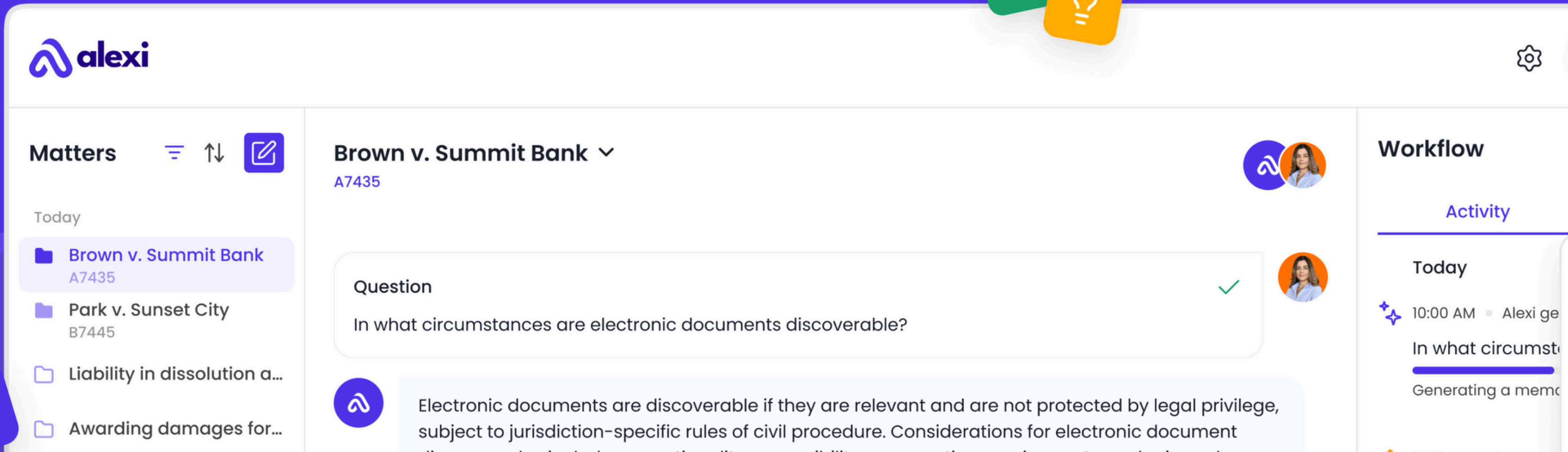
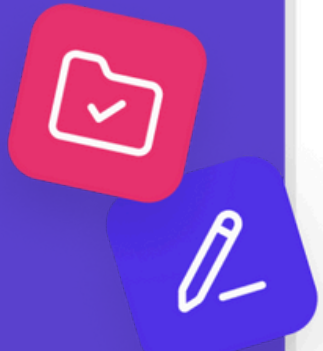


AI & Practice of Law

From 2020 to 2030



The screenshot displays the Alexi AI interface. On the left, a sidebar titled "Matters" lists several cases, with "Brown v. Summit Bank A7435" selected. The main panel shows the details for this case, including a "Question" box with the text "In what circumstances are electronic documents discoverable?". Below the question, an AI-generated answer is visible, starting with "Electronic documents are discoverable if they are relevant and are not protected by legal privilege...". On the right, a "Workflow" section shows an "Activity" log for "Today" at "10:00 AM", indicating that "Alexi generated a memo".



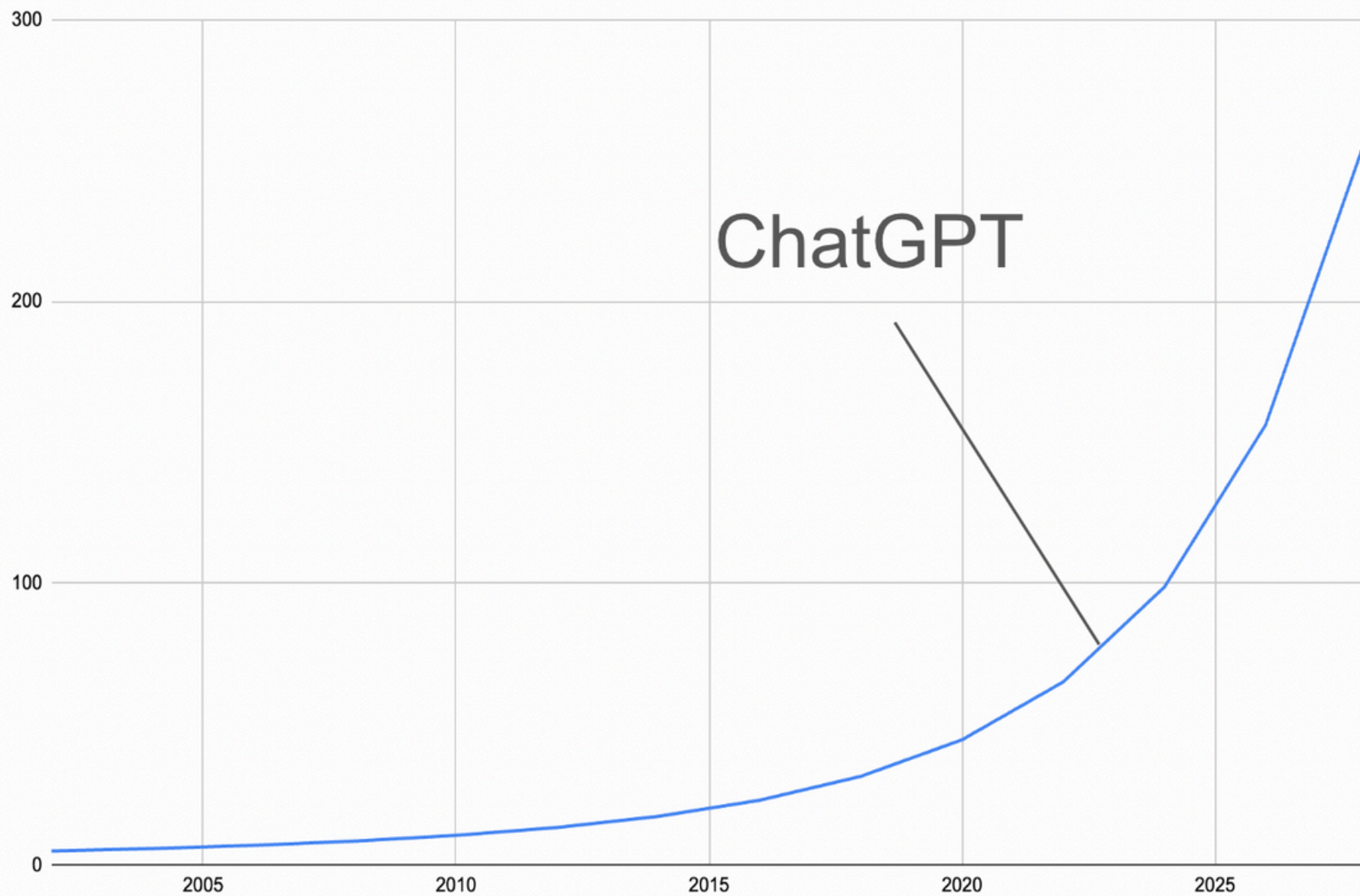
Agenda

- AI progress over next 5–10 years
- Impacts on legaltech & human lawyer skill set
- Alexi Demo
- Questions

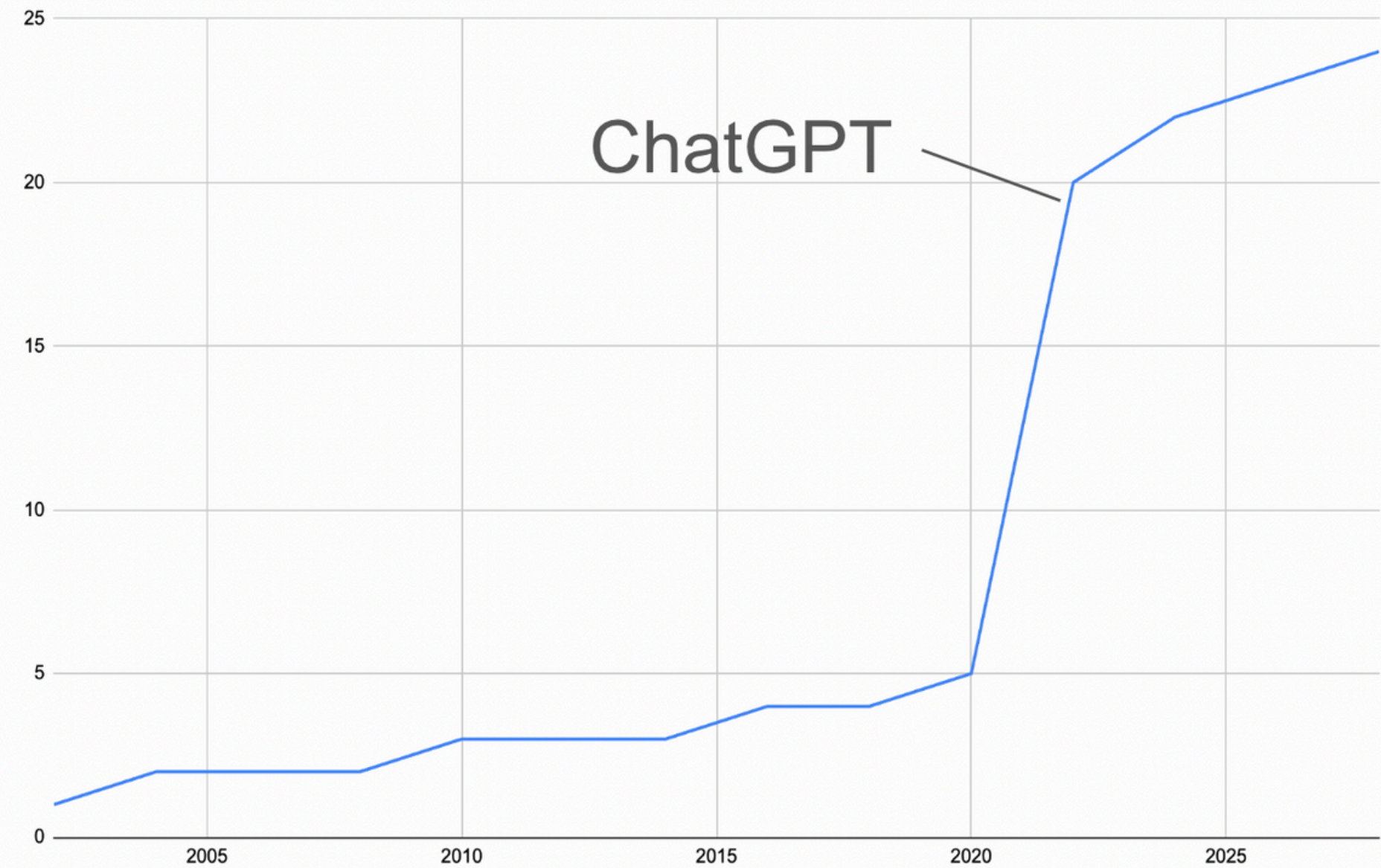
**AI progress over the
next 5–10 years**



Which path of AI progress are we on?



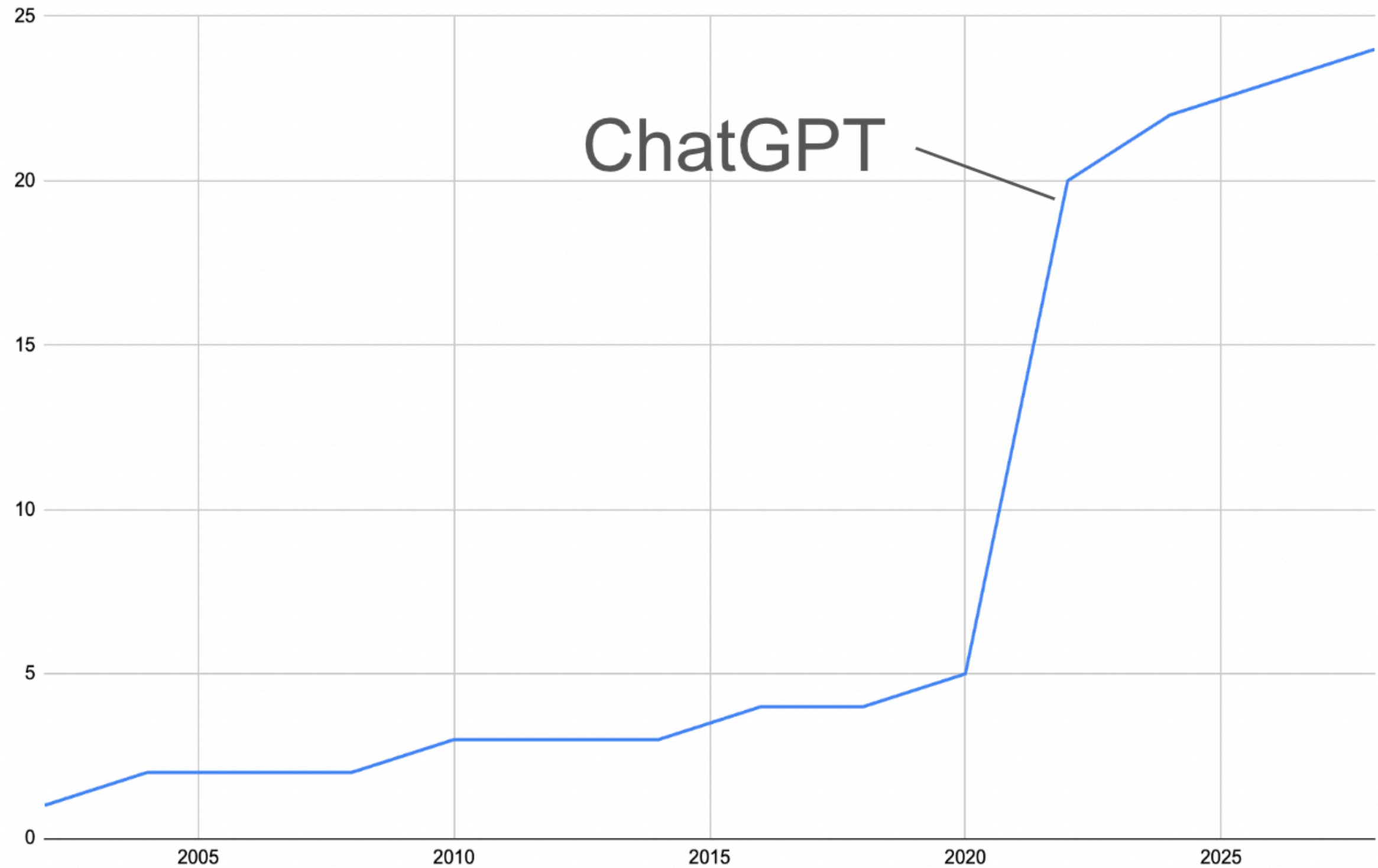
Ramp: Steady Exponential Progress



Jump: Unpredictable Step Function

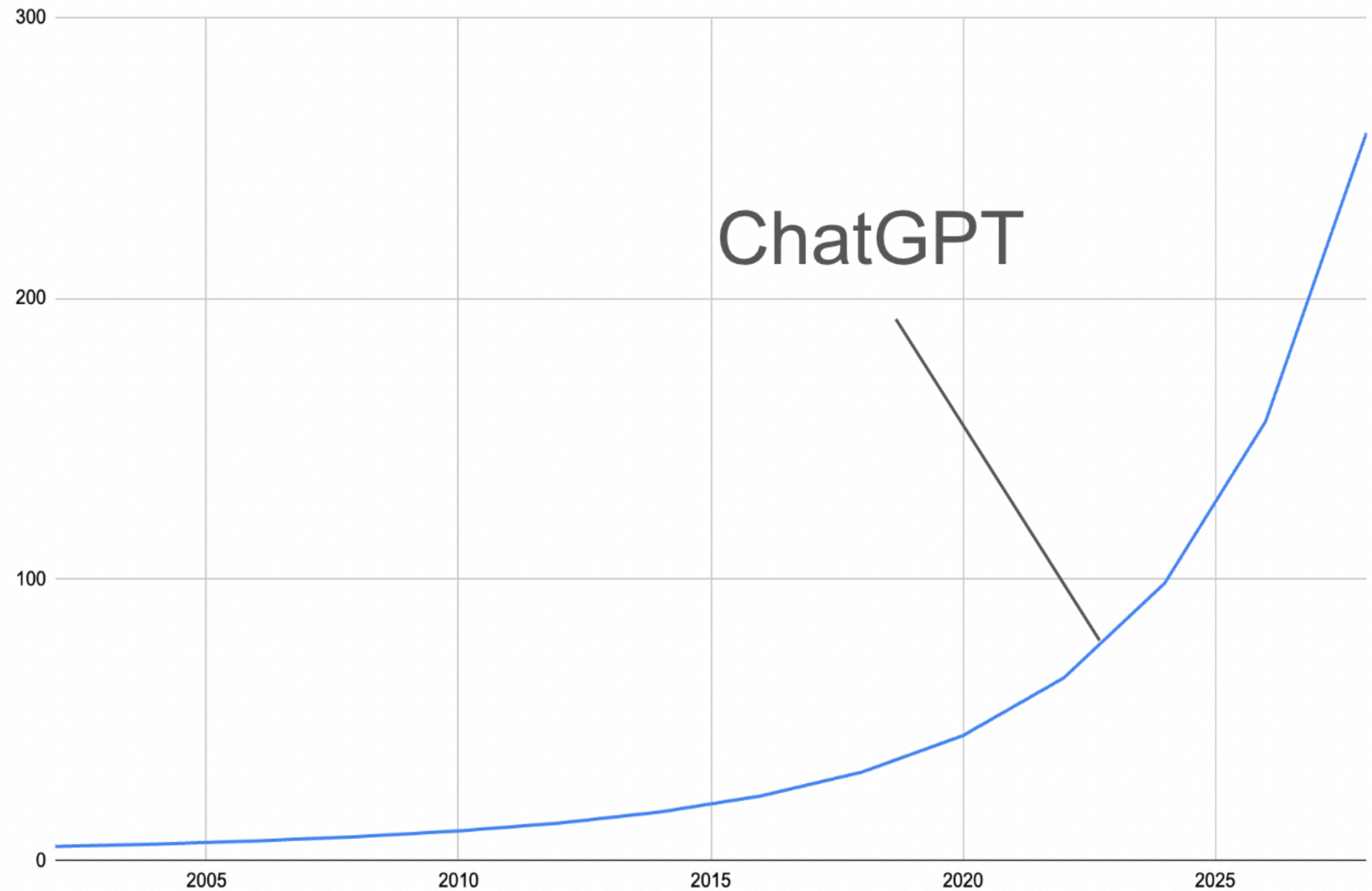
If jump:

- Likely slower progress over next 5-10 years
- Engineering & scientific breakthroughs still needed
- Could lead to an "AI Winter"

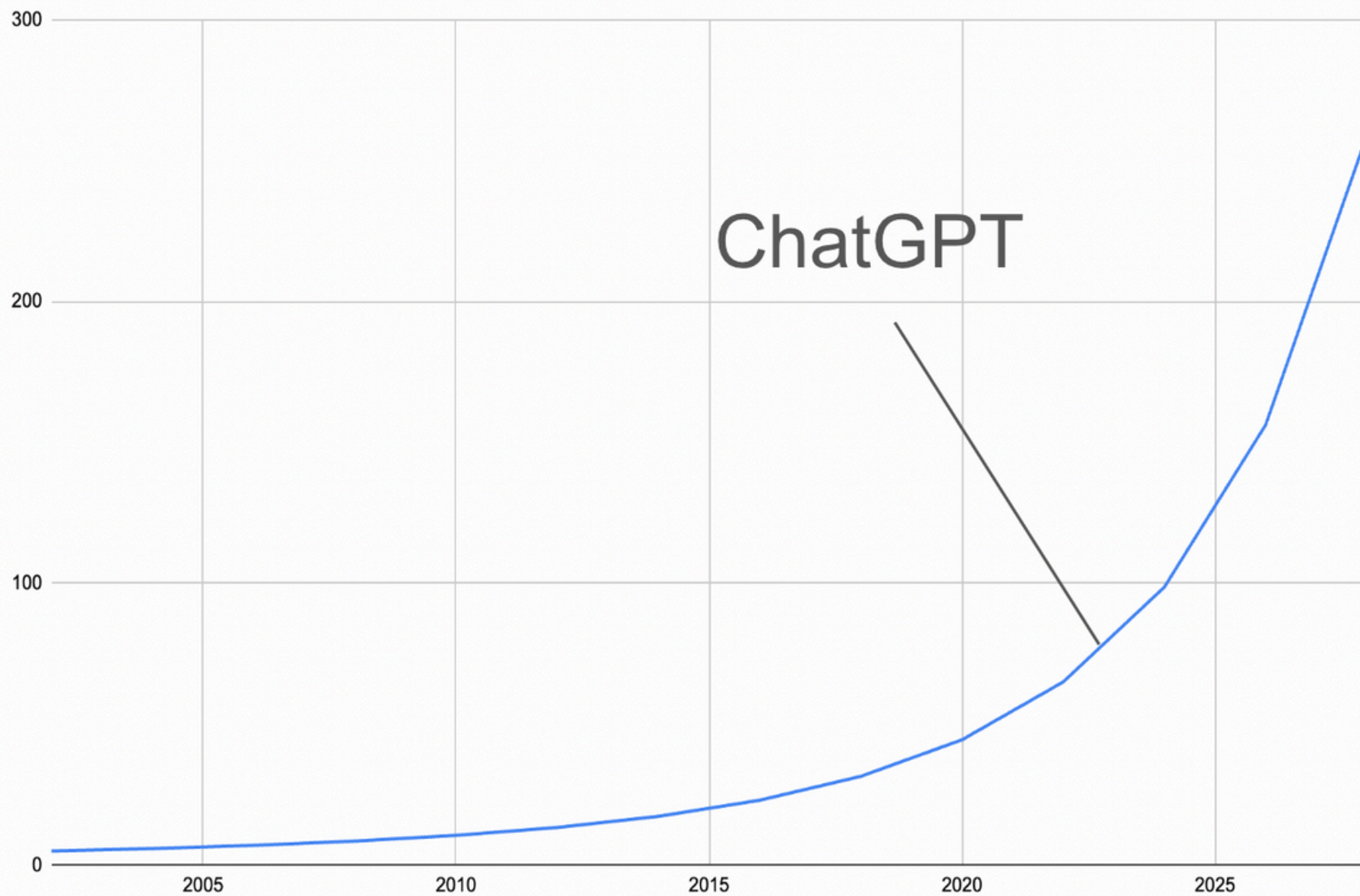


If ramp:

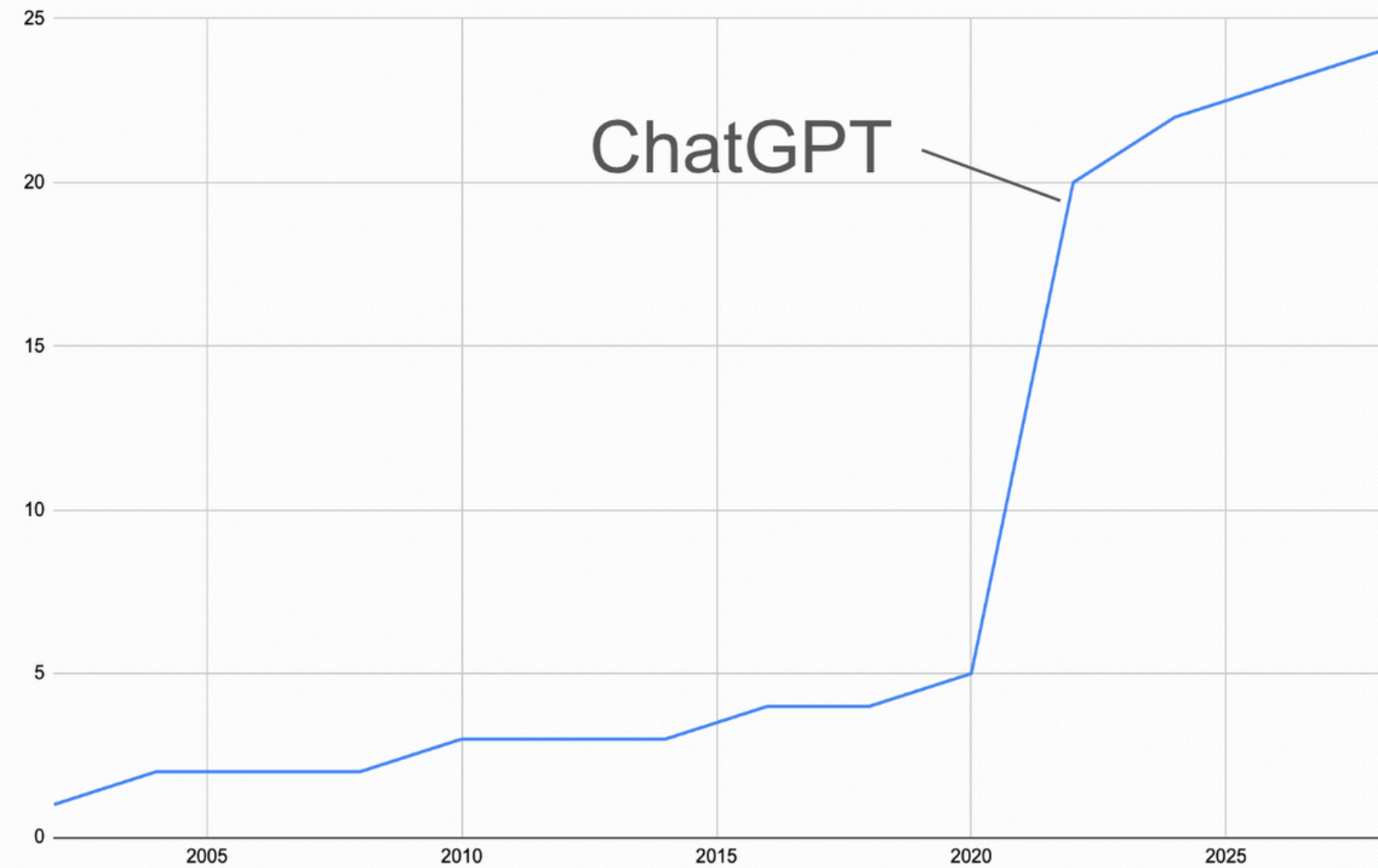
- More progress in next 5 years than in past 5 years
- Fundamental impacts across all industries
- Very hard to predict broader societal changes



Which path of AI progress are we on?

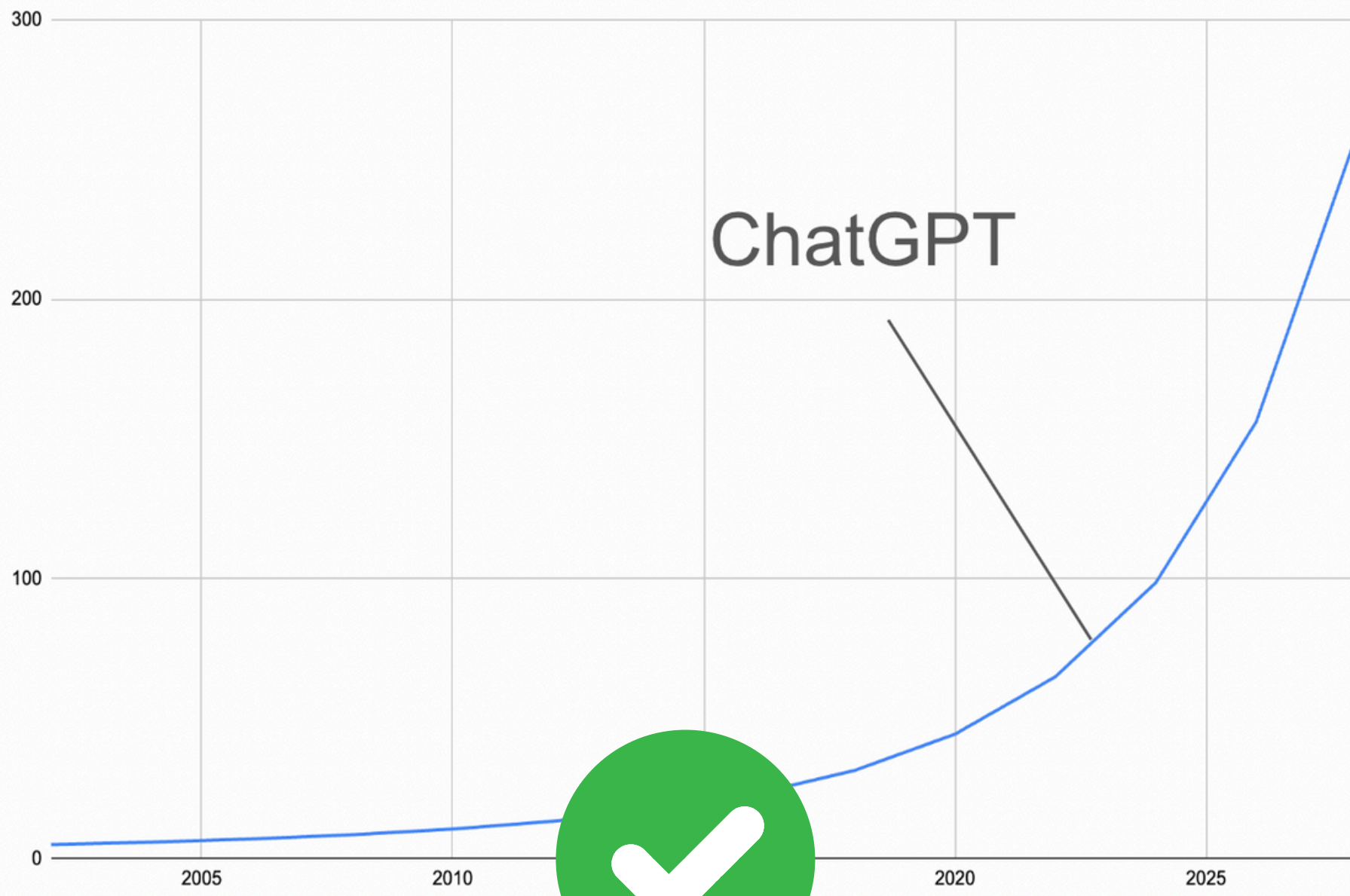


Ramp: Steady Exponential Progress

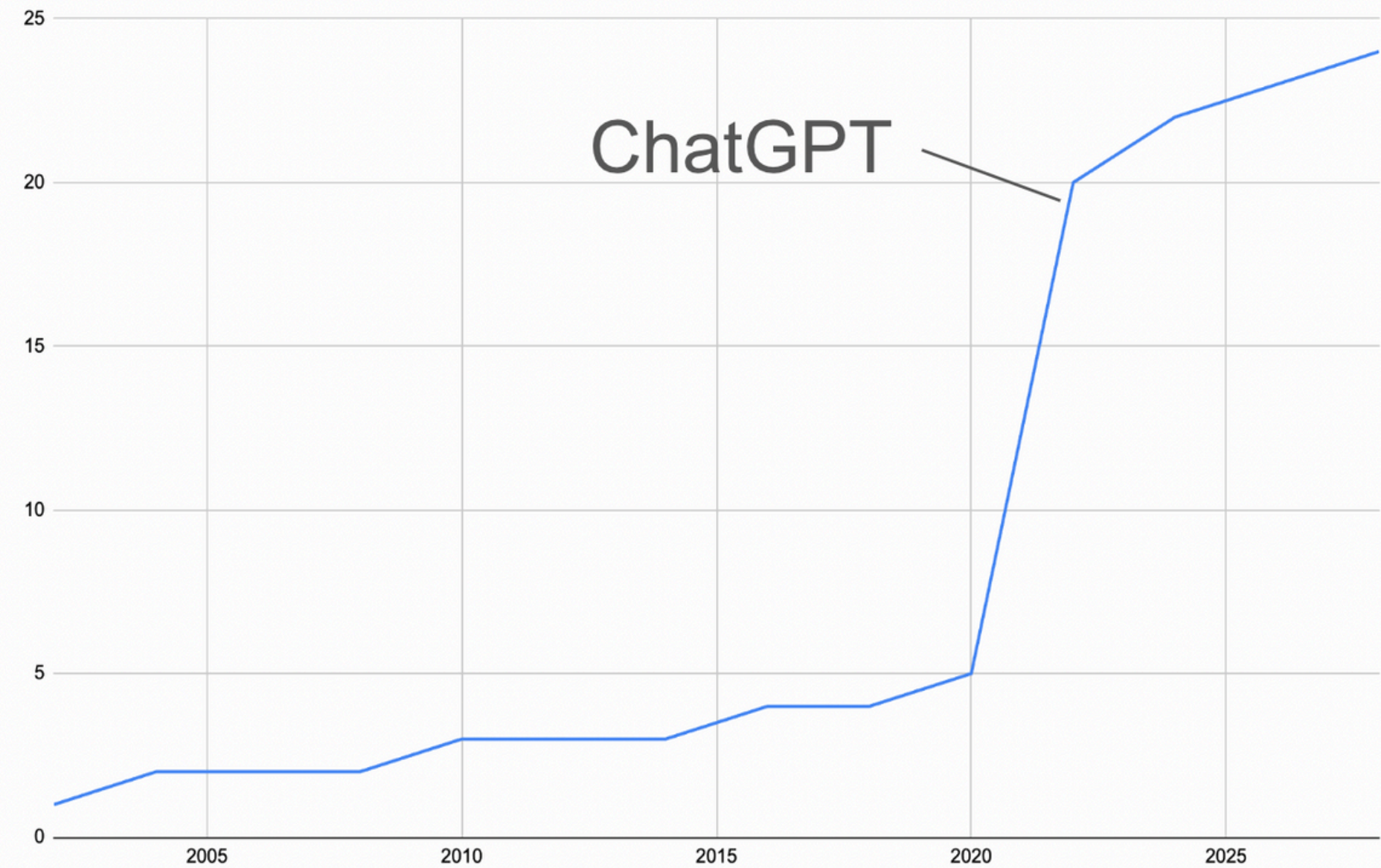


Jump: Unpredictable Step Function

Which path of AI progress are we on?



Ramp: Steady Exponential Progress



Jump: Unpredictable Step Function

Arguments we're on the "jump" path

Scaling laws

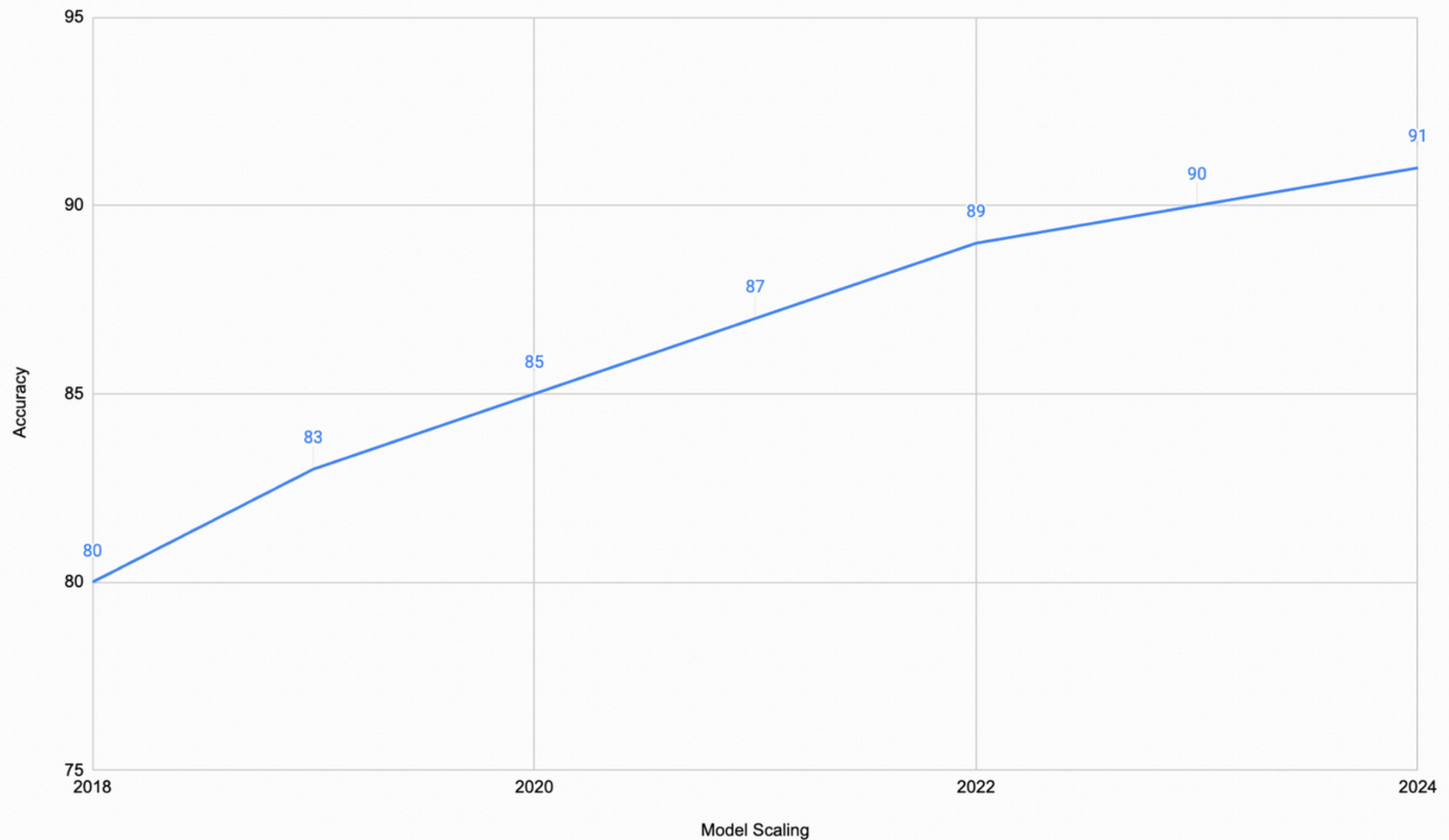
Limits on next word
prediction

Data limits

Arguments for jump

Scaling Laws – Number of Model Parameters:

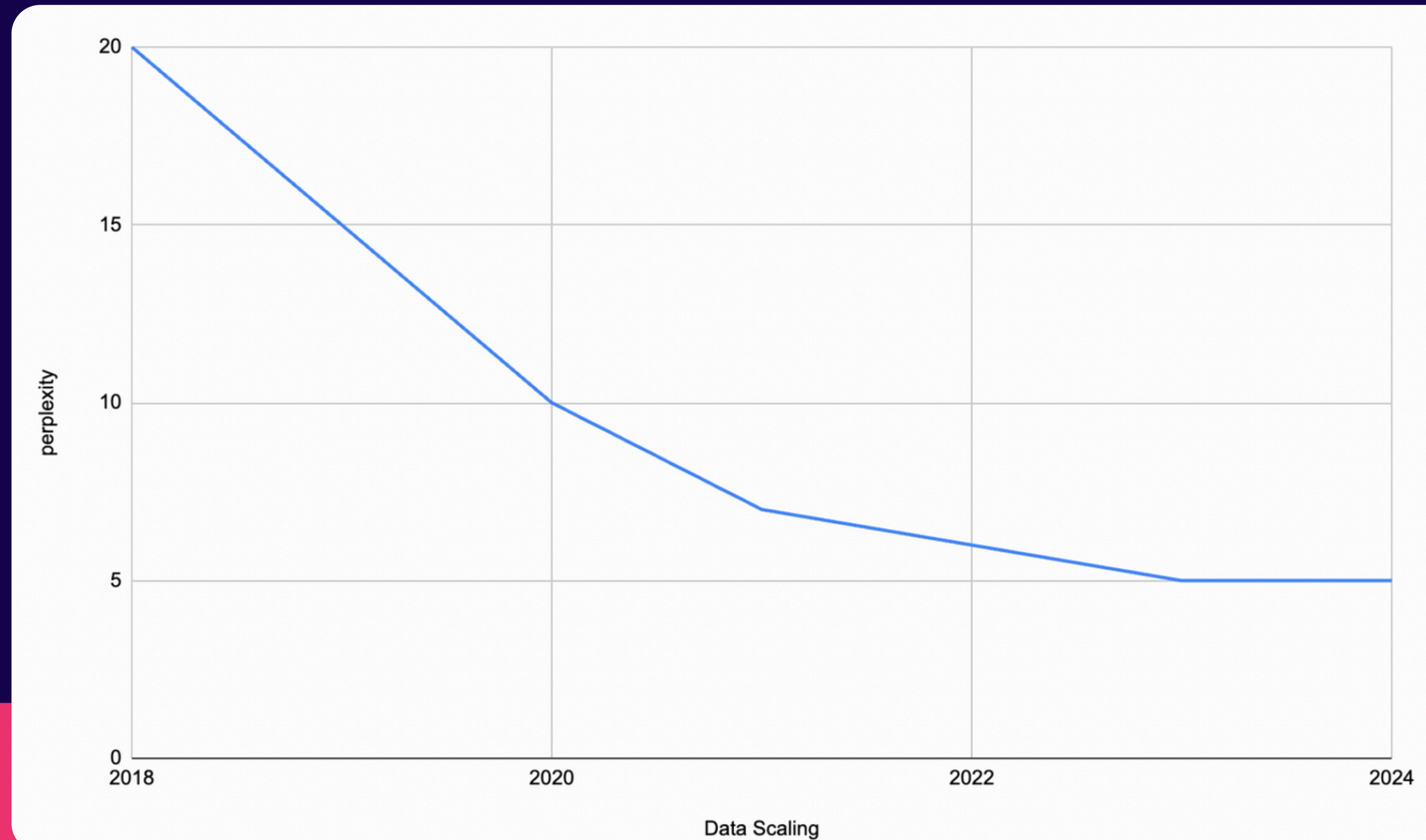
- Increasing model size has increased accuracy consistently, although with diminishing returns.



Arguments for jump

Scaling Laws – Volume of Training Data:

- As training data volume increases, models become more accurate in their token predictions, although with diminishing returns.



Arguments for jump

Limits to next word prediction & data:

- LLMs are fundamentally flawed in that they are just a statistical trick to predict the next word.
- LLMs have already “read” all the world’s data.
- Analogy: you can’t lock a person in a room and have them “think” their way to higher intelligence.

Arguments we're on the "ramp" path

Civilization scaling

**Power of next word
prediction**

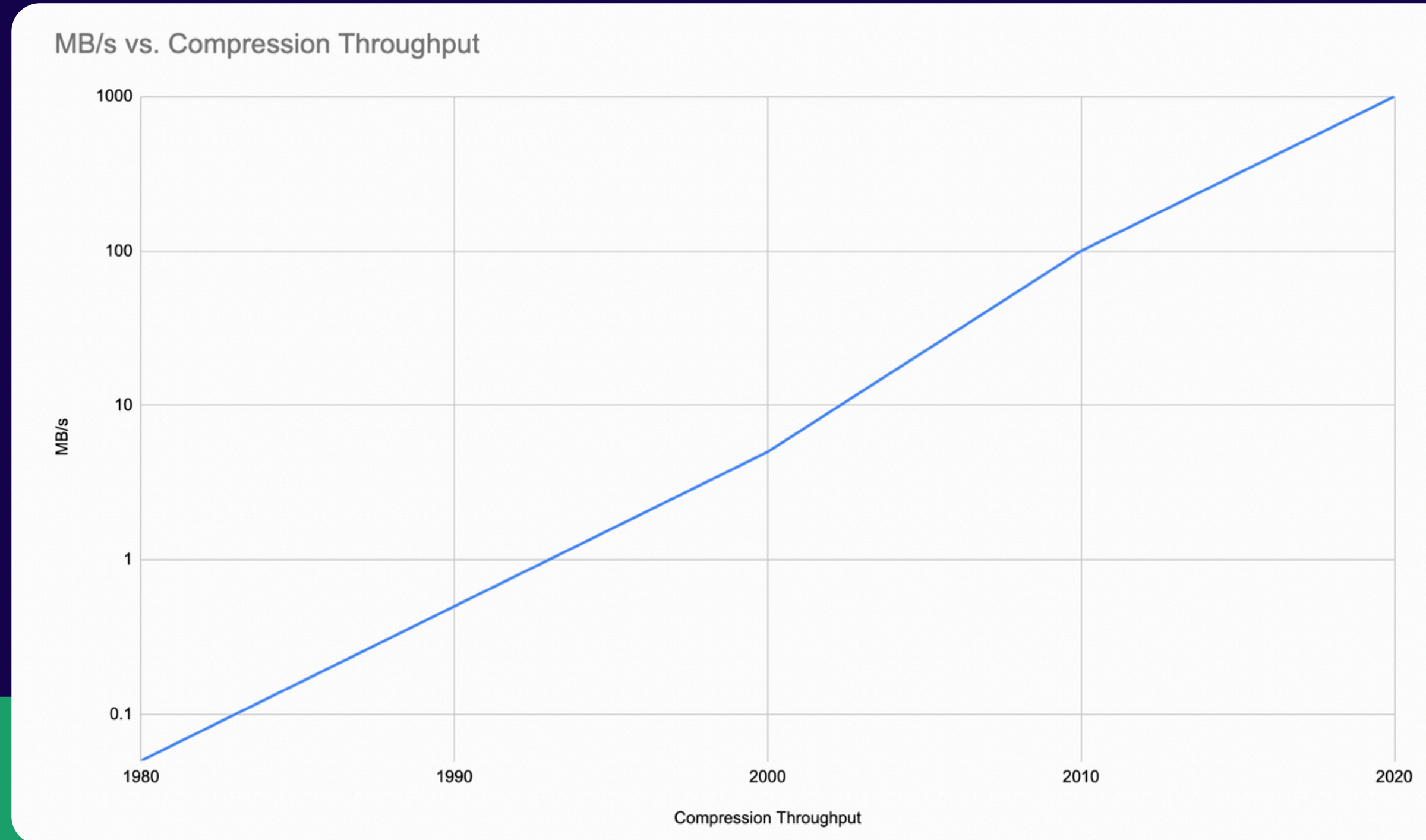
"Synthetic data"

**Unhobbling & Agentic
Workflows**

Arguments for ramp

Civilization Scaling – Data compression

- However, data compression has seen consistent progress for the past 40 years.

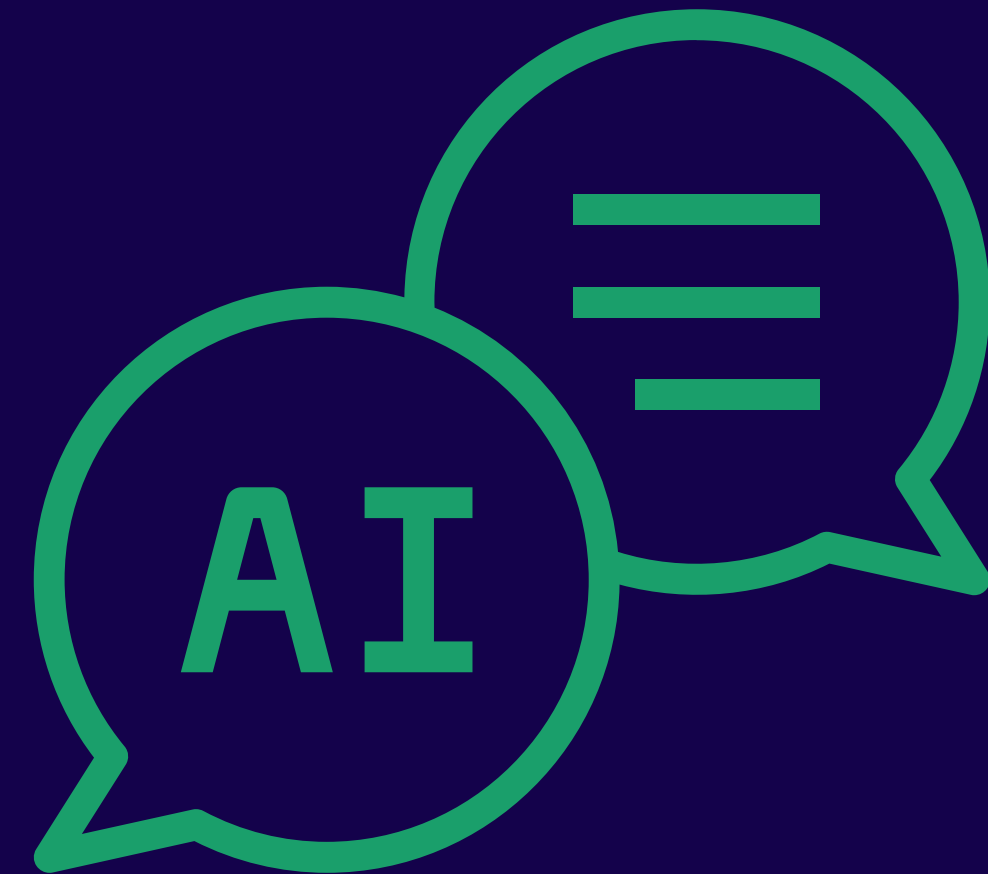


Arguments for ramp

The brilliance of next-word prediction

- Being able to accurately predict the next word to construct a truthful and logical statement is most often not powerful/impressive. Most often it is just a statistical trick.
- BUT! Doing this accurately at the right time is manifestation of immense knowledge.
- Example:

“Based on recent developments, the question of whether the legislation is unconstitutional should be answered in the ... affirmative?”



Arguments for ramp

The data problem

- It's intuitive that a single person in a room can't think their way to new knowledge.
- BUT, put 10 people in that room and let them debate, brainstorm, act out and use things. Now 1,000. Our intuition is that this could be a way to gain new knowledge.
- This is now happening with AI.

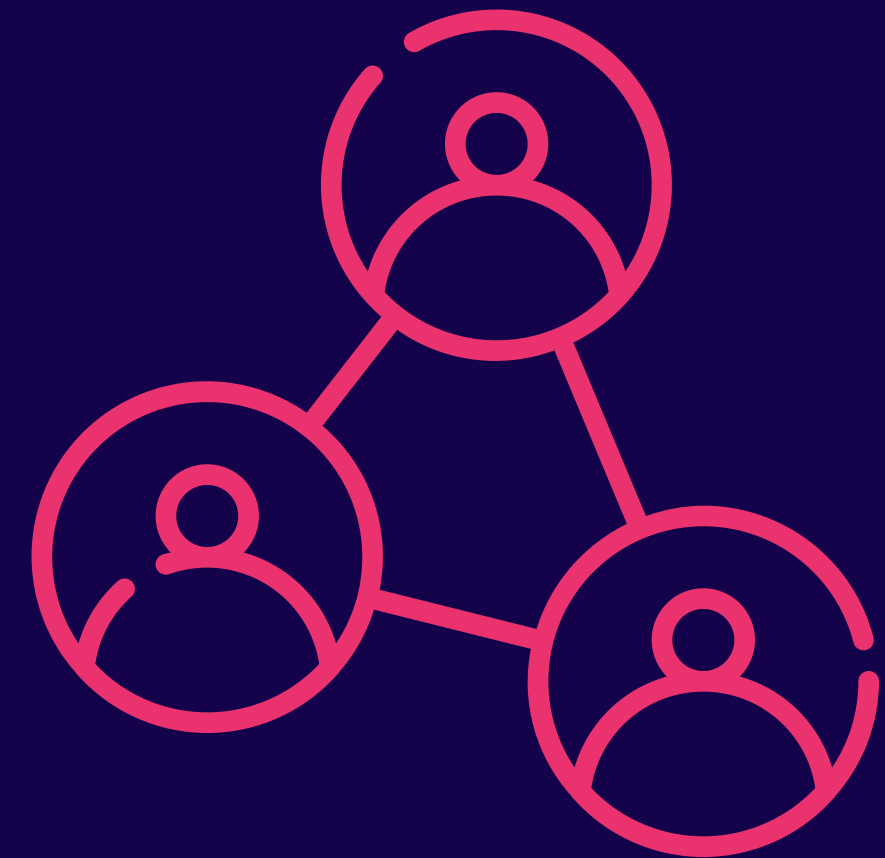


Arguments for ramp

Unhobbling & Agentic Workflows

Unhobbling – improvements beyond just training better base models. Three key ways:

- Chain of thought: provides >10X increase in effective compute on math/reasoning (<https://arxiv.org/abs/2201.11903>)
- Scaffolding: have multiple specialized models perform different tasks, some critiquing output of **others, combining to solve one problem.**
- Tool use: LLMs can now readily use the internet.
- The current potential, even without fundamental architecture improvements, is truly mind boggling!!!



Impacts on legal tech & practice of law

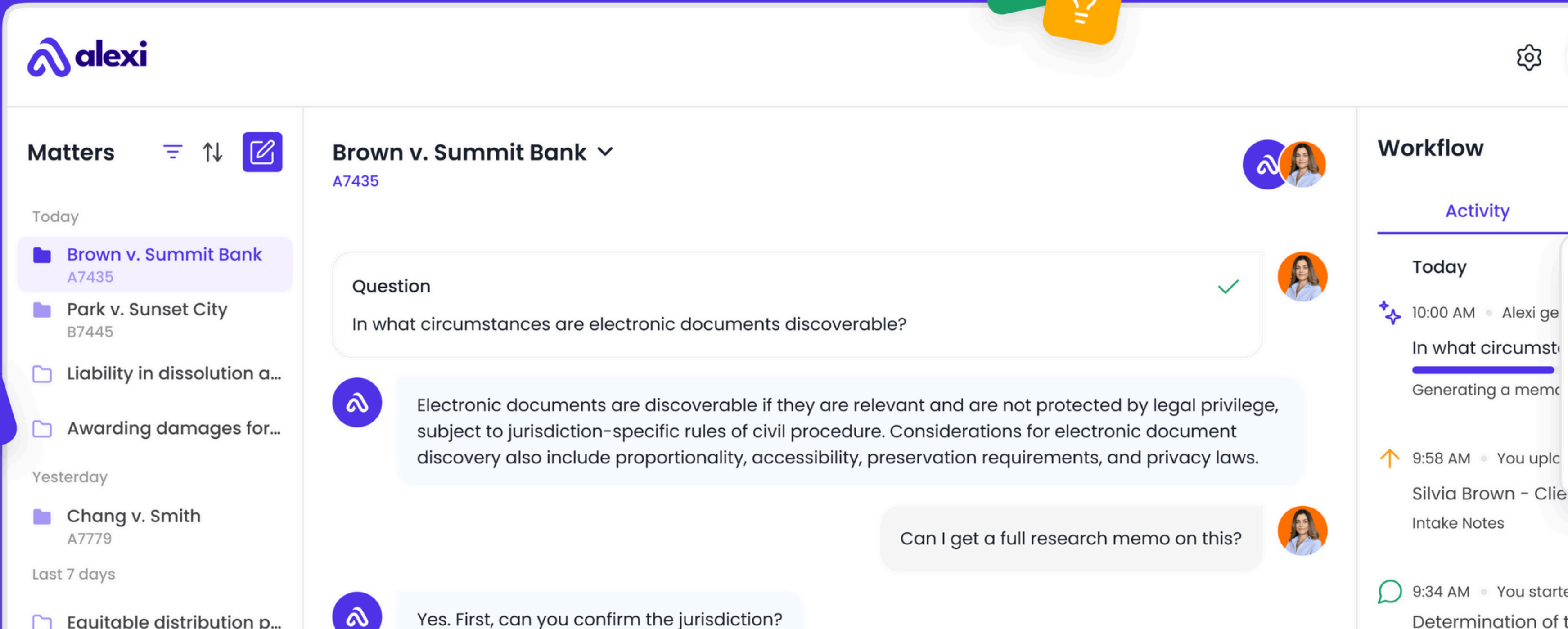


Where human lawyers will always outperform AI




Establishing a human connection with clients. Understand goals & strategies, etc.

Use AI tools in a way that maximizes client benefits. Human lawyers will always remain in charge.

Alexi demo



The screenshot displays the Alexi interface with a central chat window. On the left, a 'Matters' sidebar lists cases like 'Brown v. Summit Bank' and 'Park v. Sunset City'. On the right, a 'Workflow' sidebar shows activity logs. The chat window shows a question about electronic document discoverability, followed by an AI-generated answer and a user's follow-up question.

Matters   

Today



- Brown v. Summit Bank** A7435
- Park v. Sunset City B7445
- Liability in dissolution a...
- Awarding damages for...


Yesterday

- Chang v. Smith A7779


Last 7 days


- Equitable distribution p...


Brown v. Summit Bank  A7435 

Question 

In what circumstances are electronic documents discoverable?

 Electronic documents are discoverable if they are relevant and are not protected by legal privilege, subject to jurisdiction-specific rules of civil procedure. Considerations for electronic document discovery also include proportionality, accessibility, preservation requirements, and privacy laws.




Can I get a full research memo on this? 

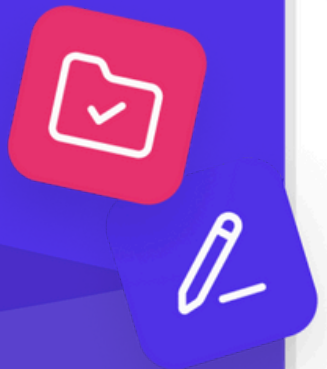
 Yes. First, can you confirm the jurisdiction?

Workflow

Activity

Today

-  10:00 AM • Alexi generated a response to your question: "In what circumstances are electronic documents discoverable?"
-  9:58 AM • You uploaded a document: "Silvia Brown - Client Intake Notes"
-  9:34 AM • You started a new chat: "Determination of..."





Sign up for a
free trial





Questions?