



Pete 

@nonmayorpete



Stanford just released a MASSIVE 386-page report on the state of AI.

Here are the 12 most interesting trends that you should know.

3:07 PM · Apr 3, 2023 · **3.1M** Views

2,618 Retweets **239** Quotes **12.6K** Likes



Pete

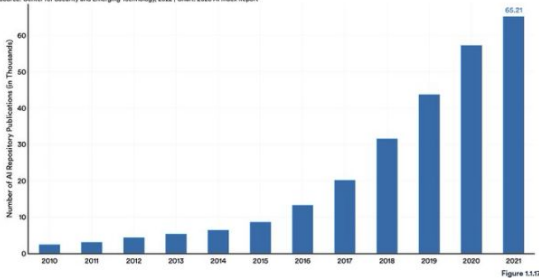
@nonmayorpete



AI research has been heating up for years, with no signs of slowing down

Number of AI Repository Publications, 2010–21

Source: Center for Security and Emerging Technology, 2022 | Chart: 2023 AI Index Report



3:07 PM · Apr 3, 2023 · **273K** Views

33 Retweets

7 Quotes

741 Likes

31 Bookmarks



Pete



@nonmayorpete



AI models are getting big, and fast

Number of Parameters of Significant Machine Learning Systems by Sector, 1950–2022

Source: Epoch, 2022 | Chart: 2023 AI Index Report

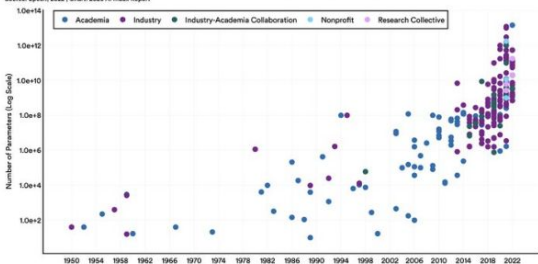


Figure 1.2.9

3:07 PM · Apr 3, 2023 · **260.3K** Views

29 Retweets

2 Quotes

719 Likes

13 Bookmarks



Pete

@nonmayorpete

New AI models today get MILLIONS times more training than 10 years ago.

Training Compute (FLOP/s) of Significant Machine Learning Systems by Sector, 1950–2022

Source: Epoch, 2022 | Chart: 2023 AI Index Report

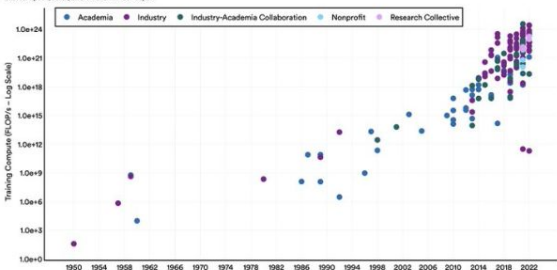


Figure 1.2.11

3:07 PM · Apr 3, 2023 · 273.3K Views

51 Retweets

6 Quotes

747 Likes

21 Bookmarks



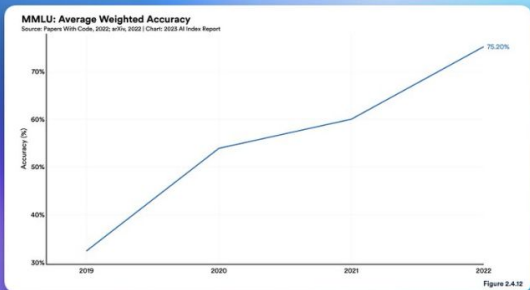
Pete

@nonmayorpete



In just 3 years, language models have gotten way more powerful.

This shows performance of language models across subjects like social sciences, humanities, etc.



3:07 PM · Apr 3, 2023 · **251.5K** Views

33 Retweets **3** Quotes **563** Likes **14** Bookmarks



Pete

@nonmayorpete



With great power comes great responsibility.

People are also using these more capable AI models to do questionable things, like deepfaking politicians.

Number of AI Incidents and Controversies, 2012–21

Source: AJRAC Repository, 2022 | Chart: 2022 AI Index Report

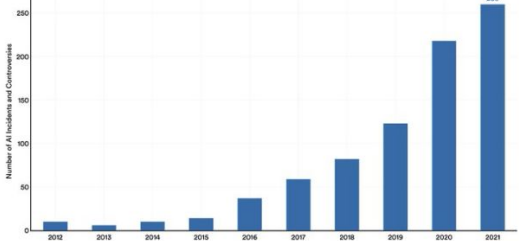


Figure 3.2.1

3:07 PM · Apr 3, 2023 · **234.4K** Views

54 Retweets

5 Quotes

560 Likes

17 Bookmarks



Pete

@nonmayorpete



This number is going to continue to skyrocket as the world figures out how to adjust to new AI capabilities.

Notable ones include the outstanding lawsuit against Stability AI for copyright concerns.

Number of AI-Related Legal Cases in the United States, 2000–22

Source: AI Index, 2022 | Chart: 2023 AI Index Report

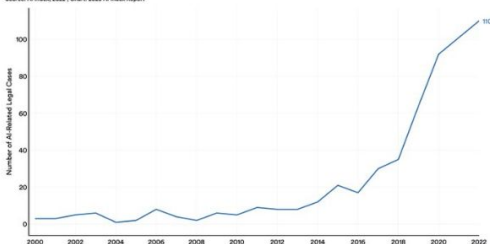


Figure 6.4.1

3:07 PM · Apr 3, 2023 · **220.4K** Views

29 Retweets

6 Quotes

464 Likes

8 Bookmarks



Pete



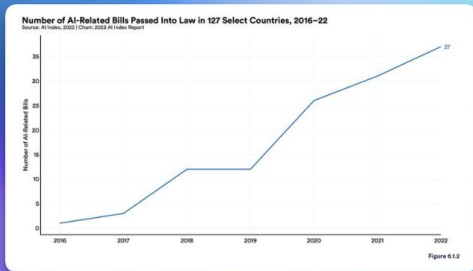
@nonmayorpete



Governments are sprinting to figure out their approach to AI.

Look at the EU. They've been working on their big AI Act for nearly 2 years.

Then ChatGPT comes out and throws a big wrench in their framework. Kneejerk reaction from Italy to ban it.



3:07 PM · Apr 3, 2023 · **202.8K** Views

53 Retweets

10 Quotes

582 Likes



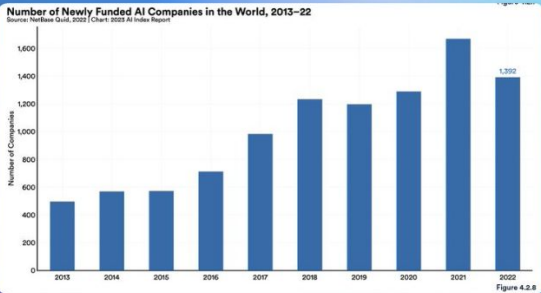
Pete

@nonmayorpete

...

Newly funded AI startups has ~tripled in the last 10 years.

57 of 273 companies in the most recent YC batch is doing work with generative AI



3:07 PM · Apr 3, 2023 · **180.4K** Views

34 Retweets

2 Quotes

441 Likes

20 Bookmarks



Pete



@nonmayorpete



You should be in the US if you're starting an AI company

Number of Newly Funded AI Companies by Geographic Area, 2022

Source: NetBase Quid, 2022 | Chart: 2023 AI Index Report

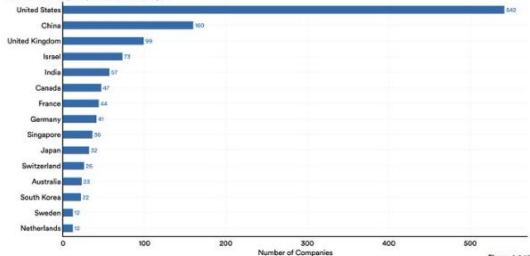


Figure 4.2.16

3:07 PM · Apr 3, 2023 · 309.2K Views

109 Retweets

49 Quotes

770 Likes



Pete



@nonmayorpete



It's a good time to have AI-related skills

AI Job Postings (% of All Job Postings) by Geographic Area, 2014–22

Source: Lightcast, 2022 | Chart: 2023 AI Index Report

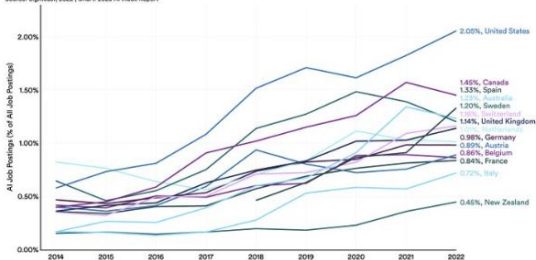


Figure 4.1.1

3:07 PM · Apr 3, 2023 · 163.6K Views

68 Retweets

10 Quotes

613 Likes



Pete

@nonmayorpete

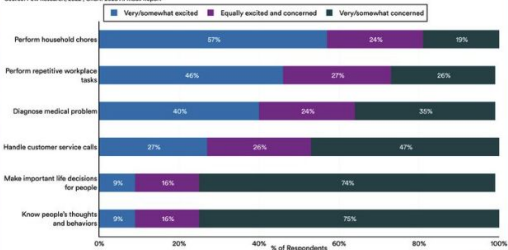


Soon, the AI tinkerers on Twitter will be building stuff that the average American finds outright terrifying.

That's going to be one hell of a public debate.

Americans' Feelings on Potential AI Applications (% of Total), 2022

Source: Pew Research, 2022 | Chart: 2023 AI Index Report



2 See Appendix for more details about the survey methodology.

3 The numbers in Figure 8.1.9 may not sum up to 100% due to rounding.

Figure 8.1.9²

3:07 PM · Apr 3, 2023 · 161.7K Views

74 Retweets

13 Quotes

748 Likes

57 Bookmarks



Pete

@nonmayorpete

By comparison, people in China believe in AI's future way more than people in the US

Opinions About AI by Country (% Agreeing With Statement), 2022

Source: IPSOS, 2022 | Chart: 2023 AI Index Report

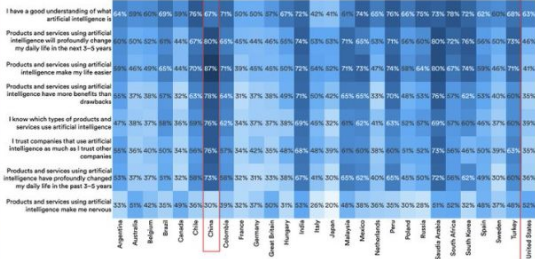


Figure 8.1.3

3:07 PM · Apr 3, 2023 · 170.7K Views

71 Retweets

26 Quotes

609 Likes



Pete 

@nonmayorpete



Thanks for reading! If you found this post helpful, follow me for more insights on AI.