

SOFTWARE

TIMELESS AI STUFF

6.12.2023

↪ Hu Chuan-Peng | @hcp4715.bsky.social reposted



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...

Also consider some women, especially instead of Minsky: McCorduck, Lovelace, Boden, Lehnert.

⌚️ vi 🌸 ✉️ @pinkddle · 11h

This Fei-Fei quote brought a smile to my face

“Guys, I’m begging you—please don’t just download the latest preprints off arXiv every day,” I’d say. “Read Russell and Norvig’s book. Read Minsky and McCarthy and Winograd. Read Hartley and Zisserman. Read Palmer. Read them because of their age, not in spite of it. This is timeless stuff. It’s important.”

11:27 AM · Nov 26, 2023 · 980 Views

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https://twitter.com/o_guest/status/1728722173336993874

May I also emphasize that AI is a research method suffering from severe flaws as Nature re-

[ported again yesterday](#) “Scientists worry that ill-informed use of artificial intelligence is driving a deluge of unreliable or useless research”

A team in India reported that artificial intelligence (AI) could do it, using machine learning to analyse a set of X-ray images. ... But the following September, computer scientists Sanchari Dhar and Lior Shamir at Kansas State University in Manhattan took a closer look. They trained a machine-learning algorithm on the same images, but used only blank background sections that showed no body parts at all. Yet their AI could still pick out COVID-19 cases at well above chance level.

The problem seemed to be that there were consistent differences in the backgrounds of the medical images in the data set. An AI system could pick up on those artefacts to succeed in the diagnostic task, without learning any clinically relevant features — making it medically useless.

not even mentioning [here again](#) data leaking

There has been no systematic estimate of the extent of the problem, but researchers say that, anecdotally, error-strewn AI papers are everywhere. “This is a widespread issue impacting many communities beginning to adopt machine-learning methods,” Kapoor says.