

Peer Review

Review of: "Is DeepSeek a Metacognition AI?"

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The author emphasizes the connection between education and metacognition, but I think there is a lack of discussion about education and metacognition by LLMs. I think a deeper discussion is needed on how elucidating the mechanism of metacognition by LLMs can be useful for education. I believe that metacognitive abilities acquired by LLMs through reinforcement learning are a black box and may be different from metacognition acquired by humans. It is questionable whether it is possible to enhance human abilities by referring to metacognitive abilities that are different from those inherently possessed by humans.

LLMs have computational and memory abilities that humans do not possess. It does not seem clear that humans can replicate metacognitive abilities based on these abilities.

Declarations

Potential competing interests: No potential competing interests to declare.