

Review of: "Limitations of and Lessons from the Learning of Large Language Models"

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Potential competing interests: No potential competing interests to declare.

The author has summarized the ideas in the paper too much. There are many subjects to analyze, viz., LLM, Curry-Howard-Isomorphism, lambda-calculus, lambda-mu-calculus, classical logic, intuitionistic logics, proof theory, etc. The author should give more information about all of them.

The paper seems to be a schedule of an interesting idea, but this idea is not proved. My advice is to explain more about everything. The hypothesis of the paper – intuitionistic logic is preferable over classical logic to capture human thinking (language) in AI models based on LLM, because classical logic doesn't accept locality – must be explained with more ideas, philosophically speaking; with simple experiments or using examples and counterexamples, etc., maybe supported in lambda or lambda-mu calculi. This is essential for the success of the paper. The ingenuity of the author to prove this is the main result to expect from the paper.