

# Review of: "Beyond Traditional Teaching: The Potential of Large Language Models and Chatbots in Graduate Engineering Education"

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Potential competing interests: No potential competing interests to declare.

The article focuses on very important issue - usage of AI in education. It appears to be based on a sound, well sourced research. 199 sources are referenced on all relevant domains. Some thoughts for the improvement though.

1. In section 2.3 authors describe in details how higher or lower temperature may influence the output of the model. It could be a benefit to describe the temperature parameter itself (e.g. for transformer models). I don't believe either that low temperature helps to get more precise answer - it helps to get one that is statistically most probable (and nevertheless can be wrong).
2. Figure 16 shows some of the potential risks of AI usage in education. The response of chatGPT is right but the reasoning behind it is wrong. The ball is in the bedroom not because it is not mentioned in steps 5 to 8 but because the cup is turned upside down in step 5.
3. It is not clear if the figures/tables in the paper are originals or brought from the referenced sources. Could be better to mention this explicitly.

The main issue about the usage of chatbots in education still is this. We know that every chatbot gives wrong or irrelevant answer sometimes. Here is certainly a human teacher to assist if necessary. But how could the student know he needs a teacher if chatbot gives good looking answers to all his questions?

The article is well formatted and has good language. Should fix the formatting at the top part of the Glossary.