Revision of ethical policies regarding the incorporation of AI into K-12 education

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Abstract

Artificial intelligence has established itself as a valuable resource in modern day education with the many benefits it provides to educators and students whether it be providing a supplement to the curriculum for students to solidify their knowledge or assisting educators in checking for plagiarism within students' assignments. However, it seems that the harms of it may outweigh the benefits; artificial intelligence has brought forth unprecedented challenges in K-12 Classroom environments, prompting valid concerns amongst educators regarding the safety and advancement of education. These issues, which encompass data and privacy security risks, plagiarism, setbacks in curriculum, and more, need to be adequately addressed through the implementation of new ethical policies. These policies aim to foster a secure, transparent and effective learning environment by encouraging the responsible use of AI tools. However, lately these guidelines have raised questions among parents, students, and even educational professionals regarding the efficiency of these guidelines in the twenty-first century. Teachers, AIED researchers, and policymakers have been looking to tighten these policies to harmlessly incorporate artificial intelligence into education. Children can adapt to the deployment of AI in the classroom environment but it's important to also consider the disruptiveness of the application to the student's socioemotional and intellectual capabilities. Therefore, a revision of the current curriculum aligned with AI is required to repurpose these educational guidelines. Such revisions will hopefully advance the education through the cautious incorporation of AI into K-12 education with respect to pedagogy as well as the trainings of administrators and educators This paper provides an overview of several guidelines currently in progress and discusses their potential effectiveness in addressing current pedagogical issues, while also presenting a futuristic perspective on the role of artificial intelligence in K-12 education.

Keywords: Artificial intelligence, ethical policies, K-12