

Original Research Article

THE ROLE OF PARENTS AND EDUCATORS IN MANAGING THE RISKS OF ARTIFICIAL INTELLIGENCE

ABSTRACT:

Artificial intelligence (AI) is rapidly changing the landscape of education, but it also brings new risks and challenges. Parents and educators have a critical role to play in managing these risks and ensuring that AI is used in a responsible and ethical manner. This research article explores the roles of parents and educators in managing the risks of AI in education. It discusses the potential risks of AI in education, the responsibilities of parents and educators, and strategies for managing these risks. The article concludes with policy recommendations for promoting responsible and ethical use of AI in education.

Keywords: Artificial intelligence; Education; Innovation;

INTRODUCTION:

AI is revolutionizing education, offering new ways to personalize learning, automate administrative tasks, and enhance the quality of education. However, it also carries risks such as privacy violations, algorithmic bias, and job displacement. Parents and educators have a critical role to play in managing these risks and ensuring that AI is used in a responsible and ethical manner.

Potential Risks of AI in Education:

AI has the potential to transform education, but it also presents new risks and challenges. One of the biggest risks is the potential for algorithmic bias, which can lead to unequal educational opportunities for students. AI can also pose privacy risks, as student data is collected and analyzed by algorithms. Additionally, there is a risk of job displacement, as AI may automate certain tasks and change the nature of teaching and learning.

Comment [HAR1]: Suggestion: To replace with "... and it is also bringing ..."

Comment [HAR2]: Need to include more info here. Suggestions – the definition of AI, the background of the study, the significance of the study, what is the main issue/gap, why focusing on teachers and parents. Besides that, need to include previous studies too (and cite them as well)

Comment [HAR3]: A good subsection and relevant to this study. The points stated here are excellent. However need to cite previous studies to make this subsection more concrete, reliable and valid.

Responsibilities of Parents and Educators:

Parents and educators have a shared responsibility to manage the risks of AI in education. Parents should be aware of the AI systems used in their children's education and should actively engage with educators to ensure that these systems are being used ethically and responsibly. Educators, on the other hand, have a responsibility to ensure that the use of AI in education is aligned with educational goals and that it does not lead to unequal outcomes for students.

Here are some additional responsibilities of parents and educators when it comes to managing the risks of AI in education:

Educate themselves: Parents and educators should educate themselves on the benefits and risks of AI in education, as well as the ethical and legal considerations that come with it. This includes staying up-to-date on new developments and best practices.

Advocate for student privacy and data protection: Parents and educators should advocate for student privacy and data protection, including pushing for policies and regulations that protect student data and ensuring that educational institutions are transparent about how they are collecting and using student data.

Encourage critical thinking: Parents and educators should encourage students to think critically about the use of AI in education, including how it works, what data is being collected, and how it is being used. This includes helping students understand the limitations and potential biases of AI systems.

Monitor student use of AI systems: Parents and educators should monitor student use of AI systems, including ensuring that they are using the systems in appropriate ways and that their data is being collected and used in compliance with ethical and legal standards.

Provide support and guidance: Parents and educators should provide support and guidance to students who are using AI systems, including helping them understand how to use the systems effectively and responsibly, and providing resources and support if issues or concerns arise.

Comment [HAR4]: This subsection is relevant to the study. Need to cite more previous studies to support all the points here.

Comment [HAR5]: Can use sentence connectors when explaining few points such as Firstly, Next point is, etc. Avoid writing in point forms.

Advocate for diversity and inclusion: Parents and educators should advocate for diversity and inclusion in the design and implementation of AI systems, and work to ensure that these systems are not perpetuating biases or discrimination.

By fulfilling these responsibilities, parents and educators can help ensure that the risks associated with AI in education are effectively managed, while also maximizing the benefits of these technologies for student learning and development.

Strategies for Managing Risks:

To manage the risks of AI in education, parents and educators can adopt a number of strategies. One important strategy is to prioritize student privacy by implementing policies that ensure that student data is collected, stored, and used in a responsible and ethical manner. Another strategy is to address algorithmic bias by testing AI systems for bias and taking steps to mitigate any bias that is identified. Additionally, transparency is key, as parents and educators need to have a clear understanding of how AI is being used in education and its potential implications for student learning outcomes.

Regularly evaluate and audit AI systems: It is important for educational institutions to regularly evaluate and audit the AI systems they use to ensure they are aligned with ethical and legal standards, as well as student needs.

Increase transparency: Educational institutions should aim to increase transparency about the use of AI in education. This includes providing students and parents with information about how AI systems work, what data is being collected, and how it is being used.

Foster diversity and inclusion: AI systems can often perpetuate biases if they are not designed with diversity and inclusion in mind. Educational institutions should prioritize diversity and inclusion in the design and implementation of AI systems, and consider how they may affect different groups of students.

Develop and implement clear policies and guidelines: Educational institutions should have clear policies and guidelines in place for the use of AI in education. These should outline ethical and legal considerations, as well as procedures for handling any issues or concerns that arise.

Comment [HAR6]: A good subsection. Need to use sentence connectors for the points, and do citation of previous studies in this section.

Involve stakeholders in decision-making: It is important to involve all stakeholders, including students, parents, teachers, and administrators, in decision-making around the use of AI in education. This can help ensure that AI systems are designed and implemented with the needs and perspectives of all stakeholders in mind.

Provide training and education: Educational institutions should provide training and education for teachers and administrators on the use of AI in education, as well as the ethical and legal considerations that come with it.

Monitor and evaluate outcomes: Educational institutions should monitor and evaluate the outcomes of AI systems to ensure they are achieving their intended goals and not causing harm to students. This includes evaluating the effectiveness of AI-based educational interventions and assessing any unintended consequences.

By implementing these strategies, educational institutions can help mitigate the risks associated with AI in education and ensure that AI systems are used responsibly and ethically.

Policy Recommendations:

To promote responsible and ethical use of AI in education, policy recommendations should be developed that address the risks and challenges associated with AI. These policies should prioritize student privacy, address algorithmic bias, promote transparency, and encourage collaboration and innovation between educational institutions and AI developers.

Here are some additional policy recommendations for the responsible use of AI in education:

Create a regulatory framework: Governments should create a regulatory framework for the use of AI in education that ensures the ethical and responsible use of AI. This framework should include guidelines for the development, deployment, and evaluation of AI systems, as well as guidelines for the collection, use, and sharing of student data.

Establish ethical standards: Educational institutions and policymakers should work together to establish ethical standards for the use of AI in education. These standards should address issues such as algorithmic bias, privacy, and security, and should be regularly reviewed and updated as needed.

Comment [HAR7]: Definitely a crucial subsection. Need to use sentence connectors for the points, and do citation of previous studies in this section.

Ensure privacy and data protection: Educational institutions should ensure that student data is collected, used, and stored in compliance with privacy and data protection regulations. This includes obtaining appropriate consent, using secure storage and transmission methods, and implementing processes for data retention and deletion.

Provide resources and support: Educational institutions should provide resources and support to teachers, administrators, and other stakeholders to help them understand the benefits and risks of AI in education, as well as the ethical and legal considerations. This includes providing training, guidelines, and support for the development and implementation of AI-based educational interventions.

Promote collaboration and innovation: Educational institutions and policymakers should work together to promote collaboration and innovation in the development and use of AI in education. This includes creating opportunities for collaboration between educational institutions, technology companies, and other stakeholders, as well as promoting research and development in AI-based educational interventions.

Encourage transparency and accountability: Educational institutions should be transparent about their use of AI in education, including providing information about the algorithms used, the data collected, and how decisions are made. They should also establish processes for accountability, such as regular audits and evaluations of AI systems.

By implementing these policy recommendations, educational institutions and policymakers can promote the responsible and ethical use of AI in education, while also maximizing the benefits of these technologies for students and educators.

CONCLUSION:

AI presents both opportunities and risks for education, and it is essential that parents and educators work together to manage these risks and ensure that AI is used in a responsible and ethical manner. By prioritizing student privacy, addressing algorithmic bias, promoting transparency, and encouraging collaboration and innovation, we can harness the power of AI to enhance the quality of education for all students.

REFERENCES:

Comment [HAR8]: As for the conclusion, the author can state the way forward for this study, or can suggest other relevant studies that can be conducted on this matter, or the significance of this study for relevant parties (just naming few suggestions)

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