

Using Artificial Intelligence to Teach People with Autism and Learning Difficulty Self-Care and Routine"

Abstract

This study introduces an innovative and potentially impactful approach to addressing the distinct needs of individuals with autism and learning difficulties. The integration of artificial intelligence (AI) into education and support programs offers the potential for personalized and adaptive solutions, enriching the learning experience for those encountering challenges in traditional educational settings.

Of particular note are the sensory and communication difficulties experienced by individuals with autism, impacting their ability to engage in routine and self-care activities. This study compares human teaching skills to AI methodologies, emphasizing the significance of human emotion, exhaustion, daily life concerns, and tones, which can profoundly influence individuals with autism. The exploration of potential disadvantages in using AI without emotional intelligence highlights the importance of human support in conveying social and emotional cues to prevent rigidity in individuals.

Self-care and routine, essential aspects of daily life, pose unique challenges for individuals with autism and learning difficulties. Leveraging AI to provide tailored learning experiences and adapt to individual needs opens an opportunity to create more effective and engaging educational interventions. This approach has the potential to empower individuals, fostering the development of essential life skills, promoting independence, and enhancing overall quality of life.

Ethical considerations, privacy concerns, and a commitment to inclusivity in the development and implementation of AI-based interventions are integral to this study. Collaboration with experts in education, psychology, and autism research is essential to ensure that AI tools are evidence-based and aligned with best practices in supporting individuals with special needs.

