Student Use and Evaluation of AI For Clinical or Educational Tasks

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Introduction

Our research project highlights the implementation of Artificial Intelligence (AI) platforms in both educational and clinical tasks for graduate students. We found this topic interesting as aspiring Speech Language Pathologists and current Undergraduate students. We know that AI is likely one of the biggest technologies of the future, making our research journey both interesting and beneficial to us.

AI Qualitative & Thematic Analysis

Our results and evaluation of AI was achieved through a three step process; This includes the Input & Output table shown, the Likert Scale questionnaire, and the written reflection questions. We used three different AI platforms, which include Leonardo AI for generating images, Canva for online graphic design, and ChatGPT which is a complex search engine.

Our most surprising conclusion is that there are no significant differences between the three AI platforms or the Likert Scale categories (Content, Presentation, and User). Thematic analysis from our participants, who are current students at University of Wisconsin-Whitewater's Graduate Communication Sciences & Disorders program, revealed that they have gained experience with AI, and that AI may foster efficiency in the workplace for students. To ensure students' use of AI platforms properly, we used specific guidelines for them to cite any information given by AI and to evaluate AI output as factual or correct information before submitting.

What Is In Our Future!

Given the potential of individualized materials for speech therapy clients, we hope to move forward with certified Speech-Language Pathologists who can implement AI in their current intervention models. This research project is ongoing, and we hope to present our further findings at future conferences. Thank you!