Artificial Intelligence (AI) in the Classroom - Think Like a Nurse, Not Like a Bot

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Topic: Academic Nursing: Excellence & Innovation

Category: Quality Improvement/Evidence-Based Practice Project

Abstract

Background/Introduction
Artificial intelligence (AI) involves computer systems able to perform tasks that normally require human intelligence. A new platform, ChatGPT, has recently created concern among the academic community. ChatGPT has the ability to understand and generate text similar to that of human speech. This sets it apart from other platforms on the market and allows the application to perform more sophisticated functions. The generative functions of ChatGPT raise concerns amongst faculty, including those related to bias, inaccuracies, and ethical concerns including plagiarism.

Purpose
The purpose of this poster presentation is to present ways that nursing faculty can utilize AI technology within the classroom to encourage active learning, critical thinking, and problem-solving.

Methods or Processes/Procedures
This poster presentation will describe at least three methods of classroom integration of AI (ChatGPT) technology. 1) Utilize AI technology to generate a client story that correlates to classroom content. Prompt students to elaborate upon the response generated to create an evolving or NGN case study. 2) Utilize AI technology to create teaching materials for a client. Prompt students to edit or expand upon the materials to include appropriate education specific to the client. 3) Utilize AI technology to create a nursing care plan for a client. Prompt students to revise the care plan in order to meet the needs of a unique client. Each of the above examples utilizes AI technology to generate materials that are then revised or expanded upon by students.

Results
The author of this poster has found that the use of AI technology in the classroom has improved student engagement. In addition, it demonstrates to students that nursing knowledge and judgment can not be replaced by a bot.

Limitations
Not applicable; this technology is currently free and accessible to the general public.

Conclusions/Implications for Practice
The use of AI technology in the classroom can encourage active learning, critical thinking, and problem-solving.

Biography

Aleesa Kittrell, DNP, RN, CNE, CMSRN, is currently an Assistant Professor of Nursing at Coe College in Cedar Rapids, Iowa. She has worked as a nurse educator for over 10 years, teaching in clinical, lab, and classroom settings, as well as serving in educational leadership. She is a member of Sigma Theta Tau Nursing Honor Society and the Academy of Medical Surgical Nurses. Aleesa holds certifications as a Certified Nurse Educator (CNE) and Certified Medical-Surgical Nurse (CMSRN).

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