



INFORMING THE FUTURE OF SOCIETY: AI IN ACADEMIC LIBRARIES

Madison Byrd

Damecia Donahue

Individual Research Assignment

INF 6080



WHAT IS ARTIFICIAL INTELLIGENCE (AI)?

- “Technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, creativity, and autonomy” (Stryker & Kavlakoglu, 2024).
- Generative AI (gen AI)
 - “original text, images, video, and other content (Stryker & Kavlakoglu, 2024)
 - Snapchat AI, Amazon Alexa, and ChatGPT
 - Resemblance of human thought and speech
- Google’s AI Overview
 - Summary of top search results

WHERE SHOULD WE HAVE AI INSTRUCTION?

Academic Libraries

- 67 percent claiming to be familiar with platform of Chat GPT (Faverio & Tyson 2023)
- 69 percent claimed it was acceptable to use the platform to “research new things” (Faverio & Tyson 2023)

Future Employees

- Future society members who are active participants rather than passive observers (Kong et al. 2024)

WHY DOES AI BELONG IN THE LIBRARY?

History of Adaptation

- institutions that community members trust
 - community-wide changes
- COVID-19
 - Adaptation to new circumstances
 - “solidifying [them] as one of the main purveyors of educational technology in the school community” (Cornejo 2024, 27).
- Technology integration in the classroom
 - “pivotal moment at the crossroads of education and technology” (Cornejo 2024, 28).
- Library resources to enhance how technology is used for educational purposes
 - Exploration of benefits and dangers of gen AI use in education

WHY DOES AI BELONG IN THE LIBRARY?

Instruction Through Use

- Implementation of AI with plagiarism avoidance in mind
 - 61% of American school districts have AI guidelines in development (Merod 2024)
 - students learn how to use applications like Chat GPT effectively and ethically
 - Connection to plethora of information
- Information professionals as a go-between for students and the information they are finding through gen AI
 - Collaboration between students and information professionals and teachers

WHY DOES AI BELONG IN THE LIBRARY?

Unique Learning Experiences

- Exploration of ethical uses of AI
- Personal deliberation for the development of ethical principles (Kong 2024)
 - Paired with instruction
 - “Understanding how AI can be ethically utilized enables them to critically evaluate and analyze the development of AI, and to collectively shape societal response in the AI era” (2024, 4).
- “Shortcut for learners” versus “indispensable resource...promising to enhance learning experiences across the board” (Cornejo 2024, 28).
 - Can be used for hugely creative projects and unique learning experiences that would not be otherwise accessible
 - “support diverse learners through customizable and tailored approaches to learning” (Kong et al. 2024, 2).

WHY IS AI INSTRUCTION IMPORTANT?

Fear Dictated Feelings

- 52 percent of Americans claimed they feel more concerned than excited about AI in regard to daily life (Faverio & Tyson 2023)
- Commercial AI in the workforce
- Fear of parents passed down to children
- Suppression of students from being educated on a very real aspect of the future of technology

AI Anxiety

- overwhelming feelings, creating a negative perception of AI
- level of anxiety and lack of understanding of new technology causes confusion about the technology, which then leads to a decrease in motivation
 - consumer adoption and behavior (Wang et al. 2022)
- "AI anxiety"
 - Difficulty keeping up with new technologies
 - Keeping students from AI widens the gap and perpetuates AI anxiety

WHAT ARE THE BENEFITS OF AI LITERACY?

Basic Understandings

Active participants in society rather than passive observers
(Kong et al. 2024)

Compatting AI Anxiety

“Provide learners with the psychological empowerment to consider the use of AI as a solution to future problems and ensure confidence in their ability to do so” (Kong et al. 2024, 3).

Preperation for the workforce

Lessen fears for future members of the workforce

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