DePauw University Libraries Newsletter

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Vol. 2, Issue 3

November 2023

AI & the Library / kOS

Navigating AI in the Academic Library A note from Science Librarian, Caroline Gilson

What is the role of ecodomic librarias

What is the role of academic libraries in the evolving landscape of artificial intelligence and large language models?

The DePauw Libraries faculty and staff are facing these subjects alongside our campus community: the teaching faculty, students, staff and campus administration. We are asking questions about impacts to library internal workflows, to online subscriptions, and to library instruction.

Broader questions about academic integrity, copyright, privacy and ethics of generative AI are being raised. How will copyrighted works be used to train AI models? How do researchers cite AI-generated content? How will AI impact librarianship and the overall academic environment?

We (the Libraries faculty and staff) are learning with everyone else and look forward to walking alongside the DePauw community, encouraging the skills of critical thinking and content evaluation.

DePauw and AI

Here's a link to our Campus LibGuide (a very broad introduction to the topics Artificial Intelligence & Higher Education: Chatbots, ChatGPT and Generative AI, and includes the April 2023 update to the Academic Integrity policy):

https://libguides.depauw.edu/a_i

Tool Time: kOS

Helper Systems has developed, kOS, a new tool available in the App Store, for managing, searching, and exploring PDFs. With kOS (pronounced chaos), researchers can provide proof of their work while using a platform that simplifies and enhances the research process.

- Create a database of PDF files from your desktop, shared drives or the web. Citations are automatically included
- Use the kOS Phrase Builder to quickly focus on relevant research by identifying words that appear together
- Use AI responsibly, knowing when information is generated from your research vs. the web
- With document-focused Al, you can have conversations and view summaries
 - Easily create a presentation of all your resources with annotations

/pronounced "chaos"/

Defining Generative AI

To understand generative artificial intelligence (GenAI), we first need to understand how the technology builds from each of the AI subcategories listed below.

Artificial Intelligence

The theory and methods to build machines that think and act like humans.

Expert System AI Programmers teach AI exactly how to solve specific problems by providing precise instructions and steps.

Machine Learning

The ability for computers to learn from experience or data without human programming.

Deep Learning

Mimics the human brain using artificial neural networks such as transformers to allow computers to perform complex tasks.

Generative Al

audio, images, video or code based on content it has been **pre-trained** on.