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The Generative Power of Teamwork: Using Collaboration to Support GenAI Literacy

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The Generative Power of Teamwork: Using Collaboration to Support GenAI Literacy



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Introduction

The potential impact of Generative Artificial Intelligence (GenAI) on the academic community raises numerous questions and answers, many of which have yet to be discovered. As a new and innovative technology, GenAI poses questions about functionality, training data integrity, ethics, intellectual property, and research functionality capabilities. With so many questions and little specific GenAI expertise, librarians at UC San Diego saw an opportunity to bring together experts in various disciplines to address the literacy needs of a campus community and fill the gaps where the campus had no official policy or guidance.

Materials & Methods

The online guide on Generative Artificial Intelligence promotes information literacy by offering individuals the resources to learn about how the new technology works and its potential for academic work. The guide was created using a platform familiar to libraries (LibGuides) that allows multiple authors to collaborate and publish content online in real-time, enabling flexible content that can adjust to respond to the rapid growth of GenAI.

Guide Topics Support Information Literacy

- [What is Generative Artificial Intelligence?](#)
- [Challenges and Possibilities of Generative AI](#)
- [AI and Academic Integrity](#)
- [Copyright & Legal Considerations](#)
- [Using Generative AI Tools](#)
- [How to Cite AI](#)
- [Additional Resources](#)
 - Resources for Learning More
 - Teaching with AI
 - For Librarians
 - Additional Reading
- [Contacts](#)

The Guide

Generative Artificial Intelligence: What is Generative Artificial Intelligence?

What is Generative Artificial Intelligence?

Generative artificial intelligence (AI) is a category of web-based tools that use algorithms, data, and statistical models to draw reasonable inferences to create content of its own (e.g., text, images, etc.). They are not search engines but rather trained chatbots. Using a prompt, a chatbot strives to fill in the next missing content piece, "what one might expect" (Wolfram).

These tools use large language models to provide bots with the data they need to reply to a prompt you have given it appropriately. For example, when ChatGPT writes a response to a prompt, it provides text based on what words came before and what is the most likely next word. Because AI uses natural language and computes so quickly, it can often seem like the chatbot is, in fact, intelligent.

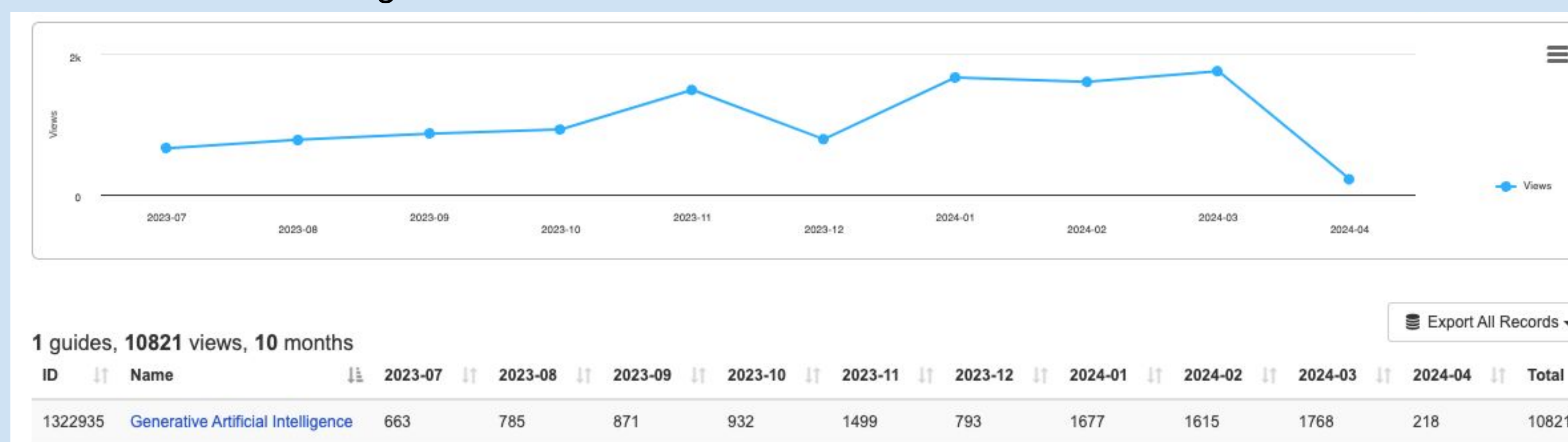
The field of AI is changing at a rapid pace. We know that these generative tools help users synthesize information and create content (code, essays, art, music, etc.). However, these tools can also "hallucinate", or make up facts or sources and create biased content.

Be sure to make sure it is ethical to use AI (see [AI and Academic Integrity](#)) and fact-check any content and sources you plan to use in the work you share with others or publish that has been generated by AI.

- [What Is ChatGPT Doing ... and Why Does It Work?](#)
A more comprehensive explanation of Generative AI from Stephen Wolfram
- [How AI chatbots like ChatGPT or Bard work – visual explainer \(The Guardian\)](#)
An explanation of how generative AI tools work for everyday people, with visuals.

Results

Number of times the guide has been viewed 07-23-2023 to 04-04-2024



Summary

- Centralized GenAI campus repository
- Viewed over **10,800** times since its creation in July 2023
- Featured in training for local campus administration and the campus community at large
- Received requests to reuse content from academic libraries across the country

Teamwork & Collaboration



In the Library

- Reference/Research Advisory Service
- Instruction/Writing Programs
- Librarians for Data Science, Computer Science, Cognitive Science, Psychology, Political Science



Campus Partners

- Academic Integrity Office
- TritonGPT Team
- Teaching & Learning Commons



Communication Channels

- SLACK channel - internal to the library
- Community of practice - internal to the library
- Email with campus partners
- Working groups and committees - internal & external to the library

Relying on a community approach for information sharing allows for inclusive participation and distributes the workload of staying informed and up to date.

Conclusions

Academic libraries are natural hubs for GenAI leadership since they serve the entire campus community.

By leveraging already existing library and campus relationships academic librarians can create a coordinated GenAI approach.

Citations and Acknowledgements

We would like to thank Stephanie Labou and Deborah Kegel for their work on the Generative AI LibGuide.

Guide URL: <https://ucsd.libguides.com/AI>