



SUMMER SYMPOSIUM

GENERATIVE AI AT UNMC

AGENDA

July 23, 2024 | 11 a.m.–2 p.m. CDT

The Generative AI at UNMC | Summer Symposium is sponsored by
McGoogan Health Sciences Library, College of Public Health,
Office of Faculty Development and Academic Affairs.



University of Nebraska
Medical Center™

DEMONSTRATIONS

11 a.m.–noon and 1–2 p.m.

1. Grade Smarter, Not Harder: ChatGPT-Generated Rubrics

Analisa McMillan, PhD, MSEd

What if you could grade faster, fairer, and with unwavering consistency? Welcome to the future of rubric creation with ChatGPT! Discover the magic of AI as it crafts detailed, objective rubrics that align perfectly with your learning outcomes and criteria. We will look at how to revolutionize your grading process and elevate your educational impact with AI-powered precision!

2. Still Putting Its Pants On—Catching and Catching Up with AI Confabulation in Health Science

James Lawler, MD, MPH

Can ChatGPT search the literature for epidemiology-related papers about physicians under-prescribing COVID-19 tests for children? In a fraction of a second, ChatGPT returned seven highly relevant citations. This example reflects the emerging but widely observed problems with large language models' propensity to provide incorrect or confabulated data cloaked in believable prose, compounding the already daunting problem of human-generated and propagated misinformation/disinformation. Explore how accidental AI-generated misinformation may impact health sciences practice, education, and research.

3. Your Thinking Partner, ChatGPT: Churn Creative Juices and Get Unstuck

Eric Bloomquist, MA

Although the potential of generative AI seems vast, there are bite-sized, high-impact applications available right at the surface. If you're brand new to generative AI, join us to explore simple demonstrations on ways you can integrate AI into your

every-day routines—to proofread and improve writing samples; to get unstuck in a brainstorming session; to quiz yourself on meaningful topics; and to spread some joy around the office. This is “generative AI 101” and all are welcome.

4. Fostering Information Literacy and Critical Appraisal in Generative AI

Kim Harp, MLS, Kiara Comfort, MLIS, Teresa Hartman, MLS

While generative AI offers exciting possibilities for research and creative endeavors, its outputs require careful evaluation and can draw on a subset of information literacy skills. Flex your information literacy skills to critically assess AI-generated text. Learn more about identifying potential biases and factual errors, using strategies for verifying the credibility of information, and trying techniques for leveraging tools effectively while maintaining a critical perspective.

5. Prompt with CoPilot

Lisa Chinn, PhD, MLIS, Julie Gregg, MEd Michael Kozak, MEd

Prompt away! Stop by this interactive prompting station to see how Microsoft CoPilot can efficiently integrate into Microsoft Word, Excel, and Edge. This presentation evolved from a UNMC IT-sponsored project to evaluate CoPilot. Learn more about the value of CoPilot for everyday use, including using CoPilot to facilitate searching the web and using the plug-in in Word and Excel. Bring your use cases to put CoPilot to the test.

6. Institutional Readiness: An IR Perspective on Data Use and Data Governance

Andrew Robertson, MS

Explore AI-related topics in data governance, compliance, and usage, emphasizing institutional readiness. Through practical examples of data redaction techniques to ensure data safety within educational institutions, you can gain

insights into best practices for managing and protecting data in the era of generative AI. We will also explore questions and issues that must be tackled at the departmental level to effectively integrate AI into workflows, ensuring that all units are prepared to responsibly and efficiently leverage AI technologies.

7. Using AI & Large Language Models in Systematic and Scoping Reviews

**Danielle Westmark, MLIS,
Cindy Schmidt, MD, MLS**

AI and large language models (LLMs) can semi-automate the systematic and scoping review process. New AI/LLM tools can be included in the several stages of systematic and scoping review production: literature searching, search result screening, and data extraction and analysis. Explore the evidence on these tools' reliability and limitations in various stages of systematic and scoping review production.

8. Using Generative AI in Assignment Creation and Simulation

Lynne Buchanan, PhD, APRN-NP, BC

Does the use of AI and natural language processing machine use enhance student learning when completing a simulation activity of a virtual medical history and documentation? In this evidence-based quality improvement project, a simulation and case study are used to apply generative AI models to teach medical history using an AI-generated template, improve documentation using a generative AI model, and present guidelines for faculty use in the classroom. We will discuss data on student outcomes and satisfaction and information for faculty to develop guidelines and policy for use in the classroom.

9. Synergistic Approach for Detecting AI

Suhasini Kotcherlakota, PhD

Detecting AI-generated content in student assignments can be difficult, and AI-detection tools, such as the Turnitin AI

detector, are not always available or accurate in the findings. This presentation will discuss the use of ethical alternative methods to detecting AI-generated content, including using a synergistic approach of combining instructor evaluation with external AI detector usage. Other suggested approaches will include using AI misuse detection checklists and rubrics that emphasize plagiarism prevention and educating students on detecting plagiarism on their own before submitting their work.

10. Harnessing the Power of Generative AI for Program Evaluation

**Nishank Varshney, PhD,
Lisa Alvarez, BS**

Researchers can utilize free generative AI tools to enhance research processes and program evaluation, from brainstorming research questions to reviewing data collection tools and analysis to reporting. These tools can also help with survey development and creating interview and focus group protocols. Learn more about the opportunities, challenges, limitations, and ethical considerations around the use of generative AI in program evaluation and research. We will also explore tools like Microsoft Designer, Adobe Firefly, and Canva for creating quick presentations and art to help disseminate research.

11. The Advent of AI in Healthcare Visualization at iEXCEL

**Paul Dye, MSED,
Dheeraj Varandani, MS**

iEXCEL Visualization uses AI as a tool to create medical visualizations which enhance healthcare simulations, telemedicine, and patient care. AI increases efficiency in identifying and isolating anatomical structures and streamlining visualization production pipelines. This presentation will explore methods of using AI as a tool in generating medical visualizations, while also emphasizing the need for careful consideration of ethical and accuracy issues.

PLENARY SPEAKERS & KEYNOTE

Noon–1 p.m.

Emily Glenn, MSLS, AHIP-D, and Rachel Lookadoo, JD, UNMC AI Task Force Co-Chairs

H. Dele Davies, MD, MS, MHCM, Interim Chancellor

Ali S. Khan, MD, MPH, MBA, Dean, College of Public Health and Richard Holland Presidential Chair

Marcia Shade, PhD, RN,
Assistant Professor
College of Nursing – Omaha Division

**Beam Me Up, Doc: Could Generative AI
Transport Academic Medical Centers
to the Future?**



DEMO LOCATIONS

Rooms 1001 A–D

Truhlsen Campus Events Center

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5. Prompt with CoPilot
6. Institutional Readiness: An IR Perspective on Data Use and Data Governance
7. Using AI & Large Language Models in Systematic and Scoping Reviews

8. Using Generative AI in Assignment Creation and Simulation
9. Synergistic Approach for Detecting AI
10. Harnessing the Power of Generative AI for Program Evaluation
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