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ChatGPT is a Liar and other Lessons Learned from Information Literacy Instructors

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ChatGPT is a Liar
and other Lessons Learned from Information Literacy Instructors

Hope Kelly & Melissa Del Castillo
Agenda

1. ABOUT US
2. PADLET FOR COLLABORATION
3. AI TOOLS IN AN ACADEMIC SETTING
4. GENERATIVE AI & INFORMATION LITERACY
5. SHARING OUR SURVEY RESULTS
6. QUESTIONS & COMMENTS
Hello

Melissa Del Castillo (she/her/hers)
Virtual Learning & Outreach Librarian
Florida International University

Hope Kelly (she/her/hers)
Online Learning Librarian
Virginia Commonwealth University

Art generated with Dall-E 2 & Adobe Firefly

Melissa Del Castillo
Go Panthers!

Hope Kelly
Go Rams!
Padlet Best Friend is ready to listen

Please add to our brainstorm board!

- Ask questions & answer questions
- Like & comment
- Share resources, tools, articles, your AI LibGuides, clever anecdotes, funny stories, & cute GIFs/memes

padlet.com/medelcas/chatgptisaliar
Talk to me about...

Generative AI

ChatGPT

AI Tools in an Academic Setting

padlet.com/medelcas/chatgptisaliar
ChatGPT & InfoLit

How can we leverage generative AI tools like ChatGPT in information literacy instruction?
Information Literacy Instructional Applications of ChatGPT

• Discovery or search tool
• Keyword generation or brainstorming exercises
• Identifying human authors of information shared in ChatGPT answers
• Demonstrate options to reference and cite information from ChatGPT
• Critical analysis of misinformation and/or bias in ChatGPT output
• Evaluating the quality of ChatGPT output based instructional objectives
• Developing personalized learning content
• Developing tutorial content
• Application for language translation
• Applied for self-directed learning
• Generating outlines and first drafts of papers
• Evaluating how AI generated text can be applied ethically in academic settings
Issues of Using Generative AI in Instruction

- Bias
- Plagiarism & Cheating
- Privacy
- Legality & Copyright
- Institution & Publishing Policies
- Hallucinations & Intentional Misinformation
Survey Research: ChatGPT & Information Literacy Instruction

Attitudes, Adoption, & TAM

Current & Anticipated Use

Teaching Methods & InfoLit Interventions

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Technology Acceptance Model

External Variables

Usefulness

Ease of Use

Attitudes About Use

Intention to Use

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Chat GPT broke TAM*

- It may be easy to use but that does not make it useful or have a positive impact on one’s attitude
- I may not find it useful but that doesn’t mean I won’t use it
- I may find it useful but I don’t intend to use it

*In this context
Ease of Use

Chat GPT is easy to use

It's easy to become proficient

It's easy to get information

Strongly Agree
Agree
Neither
Disagree
Strongly Disagree
Usefulness

- Improve academic productivity
- Increase learning performance
- Accomplish tasks more quickly

- Strongly Agree
- Agree
- Neither
- Disagree
- Strongly Disagree
Attitudes About Use

- Positive about Chat GPT
- Instruction with Chat GPT is a good idea
- Studying with Chat GPT is a good idea
Intention to Use

- Intend to use Chat GPT in instruction
- Intend to use in other areas of work
- Intend to use in the future

Pie charts showing the distribution of responses:

- Strongly Agree: 48%
- Agree: 24%
- Neither: 15%
- Disagree: 7%
- Strongly Disagree: 6%

Intend to use in the future

Intend to use in other areas of work

Intend to use Chat GPT in instruction
How are people using Chat GPT

Top 5 Ranked in order of how often people reported doing these things with a scale ranging from Never to All the Time

1. Keyword generation or brainstorming exercises
2. Discovery or search tool
3. Evaluating how AI generated text can be applied ethically in academic settings
4. Critical analysis of misinformation and/or bias in ChatGPT output
5. Evaluating the quality of ChatGPT output based instructional objectives
Use ideas that folks shared

- Generating “Lorem Ipsum” text for demonstration of library tools
  - Other recommendations for demo content and examples
- Creating outlines
- Asking about what students might know
- Writing assistant; ideas for opening/closing paragraphs, phrasing, summarizing, translation
- Rephrasing sections of academic papers into simpler language
- Teaching students about how to prompt Chat GPT / prompt engineering
- Evaluating ChatGPT Results
  - Applying existing methods for evaluating online sources
  - Identifying misinformation, hallucinations, etc.
I have strongly encouraged patrons and students *not* to use ChatGPT and other AI tools in their information seeking habits and academic pursuits.

Despite its power, ChatGPT is not sophisticated and reliable enough to use extensively in instruction except experimentally.

The largest issue I want them to understand is that there is no transparency about the data sets that have been used to train chatGPT and similar applications. Because of that, we don’t have a full understanding of what inaccuracies or biases may be reflected in its content, which is incredibly dangerous.
Generative Text Tools like ChatGPT are easy to use and useful for some tasks.

Information pros are wary of the tool due to ethical & practical concerns.

Regardless of such concerns, our participants felt compelled to engage with the tool.
Thanks!

Hope Kelly: kellyh3@vcu.edu
Melissa Del Castillo: medelcas@fiu.edu

References: library.fiu.edu/ai/references
Padlet: padlet.com/medelcas/chatgptisaliar
Program Evaluation Survey: app.keysurvey.com/f/41693139/953f
Padlet Bestie: ChatGPT is a Liar and other Lessons Learned from Information Literacy Instructors

Tell Padlet Bestie everything! Ask questions, answer questions, like a post, spill the tea, add comments & ideas, and share resources, tools, articles, your AI LibGuides, clever anecdotes, funny stories, & cute GIFs/memes!

Question: What ChatGPT tips have you learned?

Anonymous 1/20/24 3:25PM
Use Google's bard for searching over chat gpt

Question: What generative AI tools do you use in your workflow?

Melissa Del Castillo 1/2/24 8:20PM

Melissa Del Castillo 1/12/24 1:26PM
https://workspace.google.com/solutions/ai

Anonymous 1/20/24 3:27PM
Perplexity AI

Anonymous 1/20/24 3:30PM
ChatGPT, Scite, GitHub Co-pilot, Midjourney, Whisper,

Question: How are you using ChatGPT in instruction?

Anonymous 1/20/24 3:24PM
Using it to help code my online tools and libguides

Anonymous 1/20/24 3:24PM
No. But I am open to it — need to find the right use case.

Anonymous 1/20/24 3:24PM
I love love love it as a starting point for writing language for rubrics. Huge time saver.

Anonymous 1/20/24 3:26PM
Brainstorming research questions and identifying keywords

Anonymous 1/20/24 3:32PM
Also using to narrow topic and research Qs. Students find it gets them over the hump and into the “fun” part
Is ChatGPT a lying liar?

ChatGPT is a Liar References

True or False?

Statement: ChatGPT may be easy to use, but that does not make it useful.

- True
- Maybe
- False
- IDK
Questions for Hope & Melissa? Add them here!

Anonymous 1/20/24 3:42PM
Are there examples of people using ChatGPT to teach about algorithmic bias and its impact?

Anonymous 1/20/24 3:43PM
This presentation reminds me of the early days of Wikipedia when info professionals were advising students not to use it. Are there lessons we can take from that time to inform our use and thoughts about chatgpt?

Anonymous 1/20/24 3:44PM
Could you give more information on how many people you surveyed and how you sent the survey out?

Anonymous 1/20/24 5:13PM
n=154, we leveraged ala listservs/connect and state association contacts – from Hope

Tell us how we did! LibLearnX 2024 Evaluation: "ChatGPT is a Liar and other Lessons Learned from Information Literacy Instructors"

True or False?

Statement: Instruction with ChatGPT is a good idea.

- True
- Maybe
- False
- IDK
Question: What issues have you encountered using generative AI in instruction?

Anonymous  1/20/24 3:25PM
faculty are often uninformed about it for their class

Anonymous  1/20/24 3:46PM
My high school students use chatGPT to answer short, 1-sentence prompts in the midst of instruction — some due to lack of confidence in their own writing, and some due to lack of focus. They don’t want to be pulled away from their laptop games to pay attention to instruction & so have chatGPT open on their laptops to paste in an answer and give the semblance of attention. I find this really maddening.

Share your AI LibGuides!

Melissa Del Castillo  1/2/24 7:49PM
https://library.fiu.edu/ai

Melissa Del Castillo  1/12/24 1:50PM
https://library.fiu.edu/ai/libguides

Anonymous  1/20/24 3:27PM
https://libguides.camdencc.edu/ai-and-higher-education/

Anonymous  1/20/24 3:44PM
https://library.augustana.edu/ai

Hope Kelly  1/20/24 11:10PM
https://guides.library.vcu.edu/ai

AI and the Library Community: The Experts Are In

INFOTODAY
Information Literacy and Generating Fake Citations and Abstracts With ChatGPT

Do We Need Librarians Now that We Have ChatGPT?

More than ever, but we also need librarians that understand prompt engineering, vector embeddings, and local open source LLMs.

“Do We Need Librarians Now that We Have ChatGPT?”

Question: In which type of library do you work?
ChatGPT and Generative AI Tools for Learning and Research

Where does ChatGPT fit into the Framework for Information Literacy? The possibilities and problems of AI in library instruction | James | College & Research Libraries News

Poll: ChatGPT is easy to use.

- Agree
- Disagree
- Not Sure

Prompt Literacy: A Key for AI-Based Learning
Red teaming ChatGPT via Jailbreaking: Bias, Robustness, Reliability and Toxicity

US DOE: Artificial Intelligence and the Future of Teaching and Learning: Insights and Recommendations
ChatGPT conundrums: Probing plagiarism and parroting problems in higher education practices

Statement: I may not find ChatGPT useful for InfoLit interventions, but that doesn’t mean I won’t use it.

- True
- Maybe
- False
- IDK

AI and the future of information literacy and information ethics

AI and the future of information literacy and information ethics

Fiona Bradley

February 19, 2023

AI and the future of information literacy and information ethics

- A few thoughts in advance of a panel talk being held 25 February 2023 by AI, AI: Librarians and the changing face of information literacy. See you there.

- Chatbots, the idea that people say "AI" but seem to be referring more to background processes with algorithms, bots, rules, etc. In some cases, companies have finally found efficient and economical ways to automate these processes.

- Without it, we would be at risk of a substantial change in what we do, just talking to people, and not thinking about these underlying processes.

- We probably want to talk about ChatGPT more in the next few months, but we will almost certainly be talking about these processes and how they work, and we should be using them to educate ourselves about the applications.

Fiona Bradley
GPT detectors are biased against non-native English writers

Anonymous 1/20/24 8:58PM
Depends on the training set

AI Literacy, Explained

Anonymous 1/20/24 8:57PM
Is there a good definition of AI Literacy anywhere?

Lawyers blame ChatGPT for tricking them into citing bogus case law

ChatGPT: Implications for academic libraries