

Active Teaching Lab

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Active Teaching Lab: <https://bit.ly/ATLab>

AI in Education: Latest trends and practical strategies for instructors | David Delgado and Lane Sunwall (09.11.24)

Experiment Update:

ChatGPT and Claude now able to summarize complex research papers



QR code opens digital version
of handout

In August 2023, I used the Bing sidebar (then powered by ChatGPT 4) to summarize the main points of a newspaper article, and those of a research paper exploring the sixteenth-century English parliament.

Bing/ChatGPT 4 successfully identified the main points and arguments of the newspaper article. However, it was unable to analyze the much more complicated twenty-five page historiographical essay. Bing/ChatGPT 4 failed to identify the essay's main points and returned an answer that was largely irrelevant to the actual topic.

In September 2024 I repeated my experiment with Claude 3.5 Sonnet and ChatGPT 4o. Both tools successfully analyzed the paper and its main historiographical themes. However, their answers differed marginally in quality and substance. Claude's responses overall were better, though ChatGPT 4o offered more details to support its arguments.

Below are the questions I posed to ChatGPT and Claude in September 2024, evaluations as to the quality of their answers, and links to the actual chats themselves.

Q1: "Please summarize the main points of the [enclosed PDF](#) in approximately 300 words"

- [ChatGPT 4o](#) - Largely correct in paper analysis. Included details and examples, but obtuse in its analysis of central historiographical themes. Response was in paragraph format.
- [Claude 3.5 Sonnet](#) - Largely correct in paper analysis. Included examples, but without use of proper names or important details. Successfully identified historiographical issues, sans needed details. Provided answers in bullet format.

Q2: "Please identify the three most significant historiographical issues found within this article."

- [ChatGPT 4o](#) - Answer was repetitive; repeated the same statements in slightly different ways. Over-emphasized Elton's disagreements with Neale.

- [Claude 3.5 Sonnet](#) - Like GPT, over-emphasized the historiographical distances between Elton and Neale. However, its analysis of core historiographical topics was very accurate.

Resources

- [Link to ChatGPT 4o chat](#) and [Link to Claude 3.5 Sonnet chat](#)
- File uploaded to ChatGPT and Claude: [G. R. Elton, "Parliament in the Sixteenth Century: Functions and Fortunes," *The Historical Journal*, 22:2 \(Jun. 1979\), pp. 255-278.](#)

EASY: Compare Chat GPT 4o with Claude 3.5 Sonnet

1. **Check out Claude 3.5 Sonnet and Chat GPT 4o**
(paid versions open additional features and greater access to the AI)
 - [Claude.ai](#) - Sign up for free access to Claude 3.5 Sonnet
 - <https://chat.openai.com/> - Sign up for free access to ChatGPT 4o
2. **Ask Claude and ChatGPT each a question you might ask your students during a classroom activity past or present. Identify the quality of the response and how you might "grade" each.** Partner with someone at your table as necessary.
3. **What differences between the two AI tools do you notice? Which answer do you prefer?**

EASY: Check out last year's labs for inspiration this semester

Check out last year's archives to see how UWM instructors have integrated AI into their assignments (NOV), developed classroom ethics (OCT), and reimaged their courses (APR). In MAY UWM's libraries demonstrated how common library research tools are now being integrated with AI.

[Active Teaching Lab Archives: 2023-2024](#)

Coming up on Campus!

- Ed Tech Talks | [New Video Options in Canvas](#) | Ed Price, Kathy Pinkowsky | 12 SEP | 12-12:30p | Virtual
- [Information Literacy Research Assignment Workshop](#) | UWM Libraries | 26 SEP | 11-12:30p | W194/Room A, Golda Meir Library
- Active Teaching Lab | [Reimagining Assessments: How AI can improve low-stakes assessment and boost student learning](#) | Mark Sullivan | 2 OCT | 9-10a | Hybrid

