ChatGPT

This guide serves as a resource regarding the latest Artificial intelligence (AI) technology, ChatGPT. Please share this resource with colleagues.

What is ChatGPT?

ChatGPT is an Artificial intelligence (AI) system which has the ability to perform tasks that normally require human-level intelligence. ChatGPT allows users to create a "free" account and ask questions or to perform tasks such as:

- Write an essay about the American Dream
- Provide 10 multiple choice questions about the American Revolution.
- Solve the following equation and show your work

In fact, most likely ChatGPT can generate responses to your exam questions that would receive high marks if submitted by an undergraduate student. ChatGPT can attempt to solve coding challenges and perform math problems while showing its work. ChatGPT pulls information from information posted on the web, so it is not necessarily correct or factual. It also doesn't pull information reliably from events post-2021. In addition, AI-generated text lacks voice and personalization.

ChatGPT in the Classroom

Similar to spell check, Google Translate, and text suggestions, AI-generated text will continue to evolve and likely become part of our day-to-day experience. Below are several ideas you might consider to adapt your course to this new technology.

Short Term

- Discuss with your students your expectations for academic honesty and why it is important to you and their learning. Be prepared to discuss the ethical implications of ChatGPT with your students, along with the value of what you are teaching. Update your syllabus with a statement regarding your policies for using ChatGPT.
- Signup for ChatGPT and submit your own questions to it. A formulaic writing pattern often emerges making it easier to identify AI-Generated text.
- Consider enabling Turnitin for assignments in Canvas. Turnitin is currently working on strengthening their AI detection. See Turnitin's response to ChatGPT, [AI Writing: The Challenge and Opportunity in Front of Education](#)

Longer Term

- Review your course objectives. Make sure each objective is clear on the "value" students will gain from the class.
- Adjust your assignments in class to make it more difficult for AI to understand.
    - Reference information given in class that was not posted anywhere
    - Focus on current events or conversations in your field

- o   Ask for students' personal knowledge/experience regarding course concepts or topics
- Incorporate ChatGPT in your assignments in order to emphasize what it can and cannot do (Note: Consider privacy, labor and intellectual property concerns. See ChatGPT and Good Intentions in Higher Education)
  - o   Have students collaborate on developing criteria for ChatGPT responses to major questions and use the criteria to rate ChatGPT's response.
  - o   Have students use track changes in MS Word to improve the output of ChatGPT.
- Use different types of assignment submissions that don't allow for written responses.
  - o   Have students respond using Flip, a video discussion board.
  - o   Have students create a mind map to illustrate connections between ideas or concepts.
- Consider low stakes/ungraded/scaffolded assignments where the focus is on demonstrating growth and progress (rather than grades/compliance)
  - o   Having students demonstrate the writing process (outline, drafts, reviews, editing)

Highlighted Resources

We have compiled a list of resources for you to understand how ChatGPT is currently impacting the higher ed community as well as additional ideas of how to address it in your classroom.

Recent Articles

1.22.23 Scores of Standford students used ChatGPT on final exams, survey suggests

1.18.23 Why I'm Not Scared of ChatGPT

1.17.23 Coping with ChatGPT

1.17.23 ChatGPT has arrived and nothing has changed

12.29.22 ChatGPT and Good Intentions in Higher Education (Post)

12.23.22 The nail in the coffin: How AI could be the impetus to reimagine education

Evolving Resources

ChatGPT and Education (Google Slides)

Learning that Matters- Resources

ChatGPT: Understanding the new landscape and short-term solutions

AI Text Generators- A Collection of Resources

Developing AI

Elicit: Ask Elicit a research question and it returns a list of academic articles and sources with short summaries of each, and a summary of the top 3-4 most relevant sources in its table.

Explainpaper: Upload a pdf of an academic article, then highlight passages for the AI to explain to you.

GPTZero: Paste in text and it will tell you its relative likelihood that it is generated by an AI, such as ChatGPT, by providing two indices, the text's average perplexity of its sentences (i.e. the randomness of the sentences, mostly by length) and the text's burstiness (i.e. the variation in sentence complexity across the sample). The lower the perplexity and burstiness, the more likely the text was generated by an AI.

Perplexity: This AI provides short answers to questions, and provides the sources of each part of its response from the Internet. You can ask follow-up questions too.

Dall*E 2: This AI creates images and realistic art based upon a description.