

ARTIFICIAL INTELLIGENCE

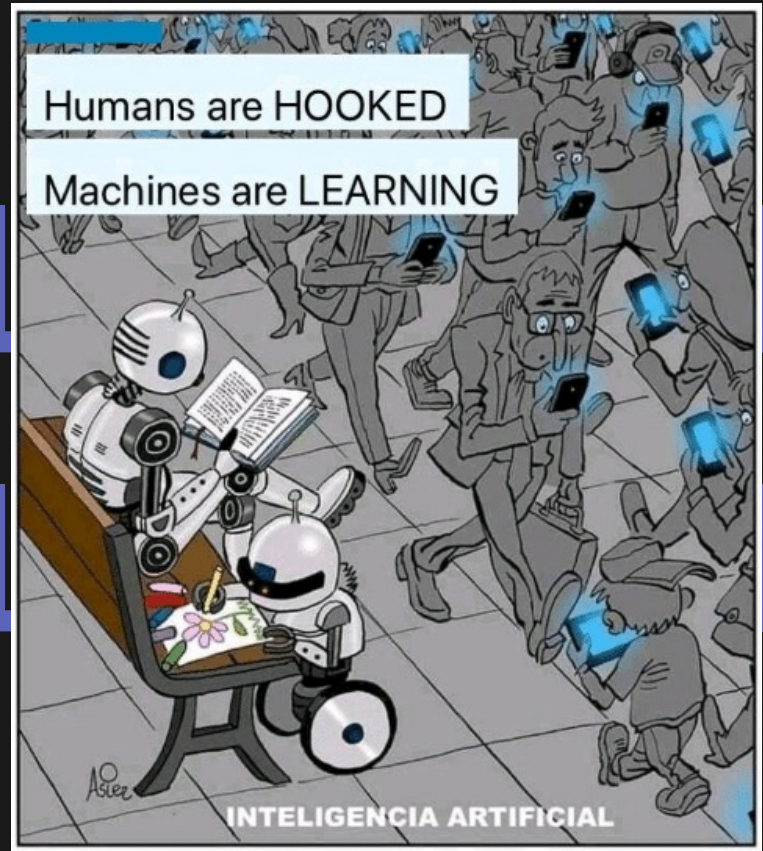
In Technical Communication Classrooms

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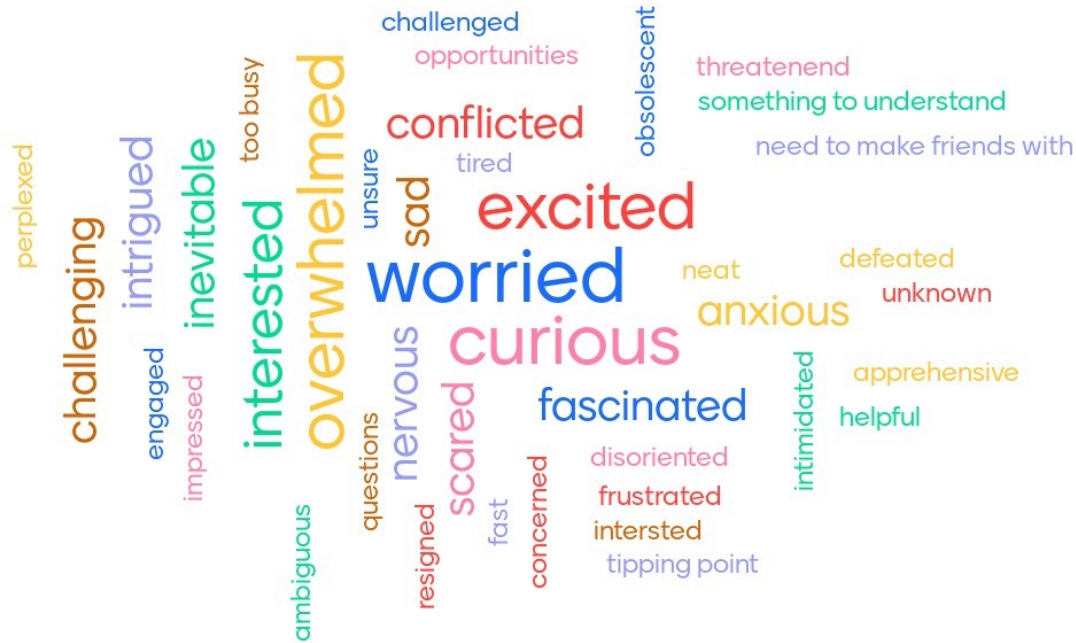
Information Literacy Faculty Fellows: Final Project

BACKGROUND

- Wordtune
- Midjourney
- DALL-E
- Stable diffusion
- Lumen5
- ChatGPT 3
- GPT 4



FEELING ABOUT AI TEXT GENERATORS IN EDUCATION



Credit: Anna Mills, Twitter, 1/28/2023

OUTLINE

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01.

**AUTHORITY IS
CONSTRUCTED AND
CONTEXTUAL**

02.

**INFORMATION
CREATION AS A
PROCESS**

03.

**INFORMATION HAS
VALUE**

04.

RESEARCH AS INQUIRY

05.

**SCHOLARSHIP AS
CONVERSATION**

06.

**SEARCHING AS
STRATEGIC
EXPLORATION**

ARTIFICIAL INTELLIGENCE (AI)

1. AUTHORITY IS CONSTRUCTED AND CONTEXTUAL

KNOWLEDGE PRACTICES:

- Use research tools and indicators of authority to determine the credibility of sources, understanding the elements that might temper this credibility
- Acknowledge they are developing their own authoritative voices in a particular area and recognize the responsibilities this entails, including seeking accuracy and reliability, respecting intellectual property, and participating in communities of practice

ASSIGNMENT: TWO TRUTHS AND A LIE

- Ask ChatGPT to write two truths and a lie on a controversial issue in the field
- Engage in fact-checking activity in groups and discuss:
 - How do these claims differ in terms of their authority, correctness, and credibility?
 - Do you have any biases or worldview that influence your evaluation of the claims?
 - Have the claims considered different types of information needs in different communities?
 - What are some examples of how the authority of these claims could be challenged or questioned?

2. INFORMATION CREATION AS A PROCESS

KNOWLEDGE PRACTICES:

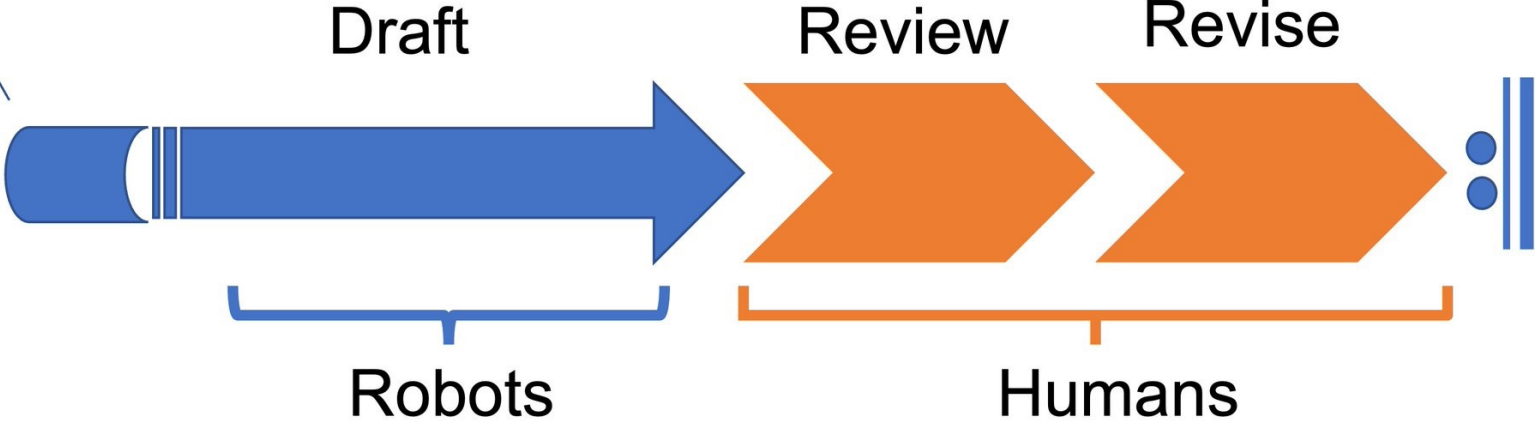
- Articulate the capabilities and constraints of information developed through various creation processes
- Articulate the traditional and emerging processes of information creation and dissemination in a particular discipline

ASSIGNMENT: REVISION EXERCISE

- Use ChatGPT to generate an argumentative essay on a controversy in science/technology/health
- Discuss the capabilities and constraints of the essay created by ChatGPT
- Revise the essay to address any limitations of arguments
- Discuss the take aways from the revision process

Other people's writing

The Writing Process...



Credit: Bill Hart-Davidson, Twitter, 1/25/2023

3. INFORMATION HAS VALUE

KNOWLEDGE PRACTICES:

- Give credit to the original ideas of others through proper attribution and citation
- Articulate the purpose and distinguishing characteristics of copyright, fair use, open access, and the public domain

ASSIGNMENT: LITERATURE REVIEW ASSESSMENT

- Use ChatGPT to generate a scientific literature review on the topic you would like to research. The review should include at least 10 sources and cite them using appropriate citation styles.
- Assess the literature review based on the relevance and credibility of sources used
- Discuss: What challenges did you face in generating/assessing a scientific literature review using ChatGPT? Are there any problems related to attribution, citation, copyright, and fair use?

4. RESEARCH AS INQUIRY

KNOWLEDGE PRACTICES:

- Determine an appropriate scope of investigation
- Deal with complex research by breaking complex questions into simple ones, limiting the scope of investigations
- Monitor gathered information and assess for gaps or weaknesses

ASSIGNMENT: BRAINSTORMING FOR RESEARCH TOPICS

- Choose a broad research topic related to the course content
- Use ChatGPT to generate a list of subtopics or research questions related to your chosen topic
- Review the list and identify the most relevant and feasible subtopics
- Assess the information gathered through ChatGPT and identify any gaps in your research topics
- Submit your final refined research topic and a brief summary of your assessment of the gathered information

5. SCHOLARSHIP AS CONVERSATION

KNOWLEDGE PRACTICES:

- Identify the contribution that particular articles, books, and other scholarly pieces make to disciplinary knowledge
- Recognize that a given scholarly work may not represent the only or even the majority perspective on the issue

ASSIGNMENT: DEBATE

- Choose a recent controversy or issue in science, health, and the environment
- Engage in a conversation with ChatGPT and identify at least five sources that represent different perspectives and approaches to this topic. These sources could include academic journal articles, blog posts, news articles, or any other relevant sources.
- Based on your research, pick sides and engage in a debate in class
- After the debate, discuss how the sources you selected contribute to the arguments you made

6. SEARCHING AS STRATEGIC EXPLORATION

KNOWLEDGE PRACTICES:

- Design and refine needs and search strategies as necessary, based on search results
- Use different types of searching language appropriately
- Manage searching processes and results effectively

ASSIGNMENT: SEARCH REFLECTION ESSAY

- Choose a topic related to your field of study or a technical problem you need to solve
- Ask ChatGPT a series of questions related to your topic; Keep track of the questions you asked and the responses you received
- Conduct a search using various search engines based on the information you received from ChatGPT
- Revise your questions for ChatGPT based on your research in the previous step; Keep track of the questions you asked and the new responses you received
- Write a reflection essay that analyzes your search process, strategies, and results



THANKS

Do you have any questions?

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