Anna Hoisington
Linguistics
Christy Fillman
MCD Biology



University of Colorado, Boulder

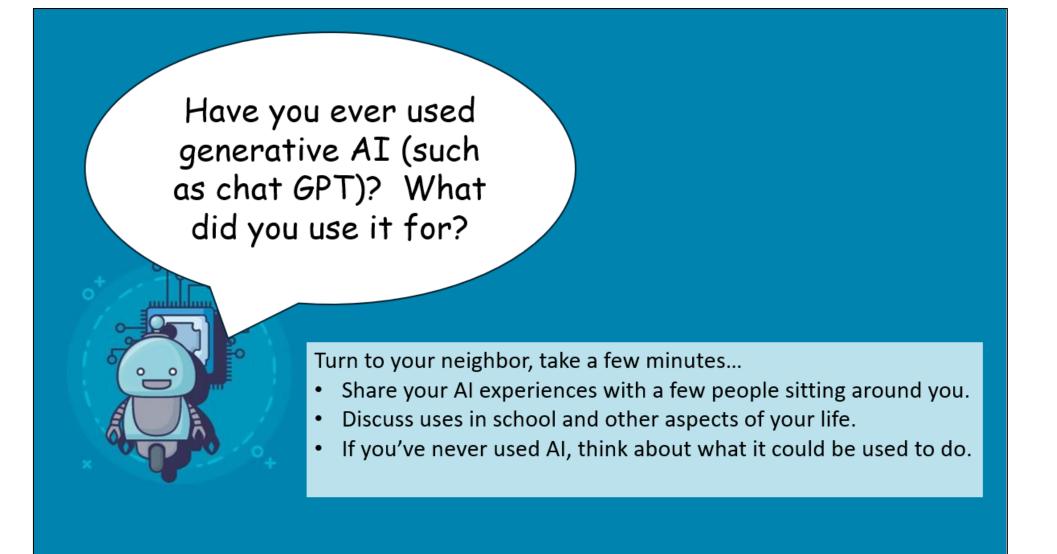
PARTNERSHIP

- A biology professor and linguistics undergraduate teamed up to design this module.
- Student contributions:
 diverse student viewpoint,
 ethical concerns, generation
 of an Al policy
- Faculty contributions: discipline specific content, pedagogy

LEARNING OBJECTIVES

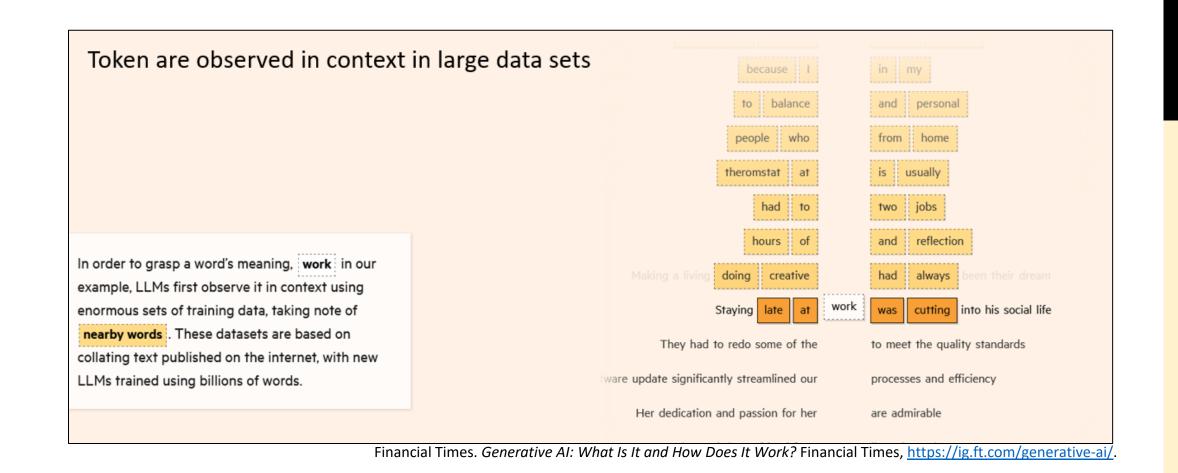
- Explain the principles and mechanisms behind generative AI to a peer
- Identify ethical considerations associated with the development and use of AI technologies
- Differentiate between applications of AI that enhance learning and those that hinder the learning process, providing specific examples
- Develop specific, effective Al prompts tailored for studying and tutoring tasks to optimize learning outcomes.

Al Literacy in Biology: A 50 Minute Module for Beginning College Students



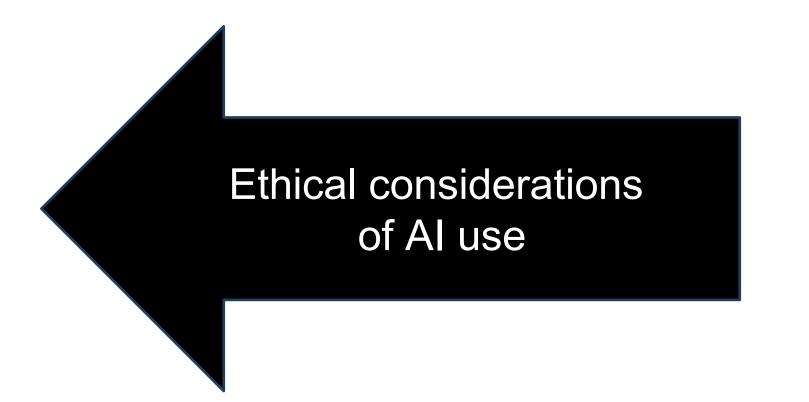
Discussion of how students currently use Al



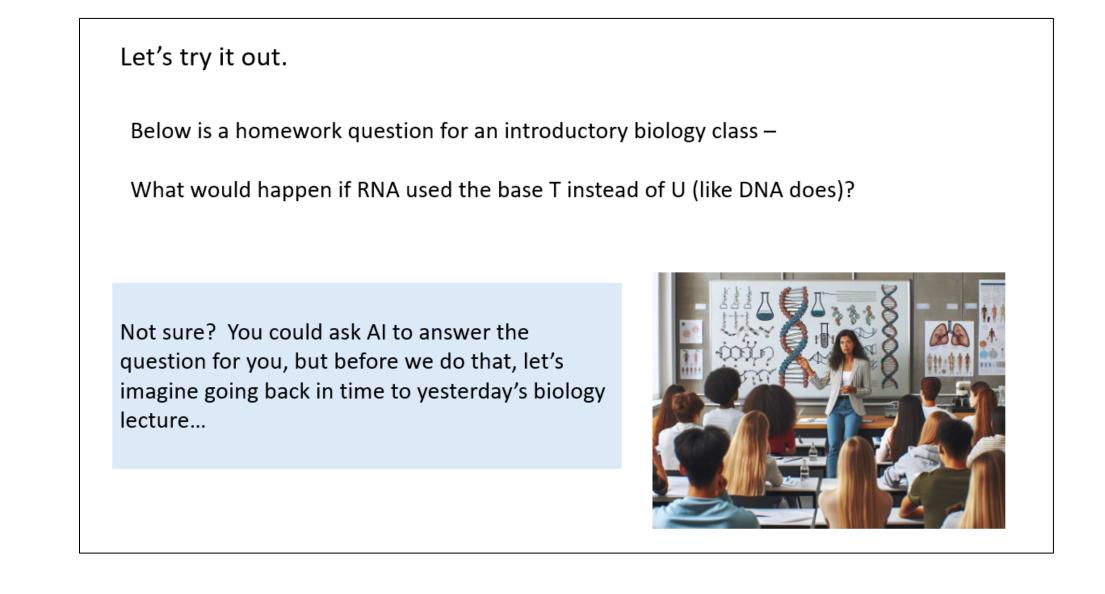


Ethical Considerations

hould AI do a student's omework?	Are AI detectors ethical?	
Vhat are the nvironmental oncerns?	What are the data privacy concerns?	



A Biology specific example using AI to help with learning



MODULE OUTLINE

Al Literacy in Biology

- I. Pre/Post Class Assessment
- II. Al Use Discussion
- III. How Generative Al Works
- IV. Ethical Concerns
- V. Al Prompting
- VI. Citing Al
- VII. Biology Specific Example

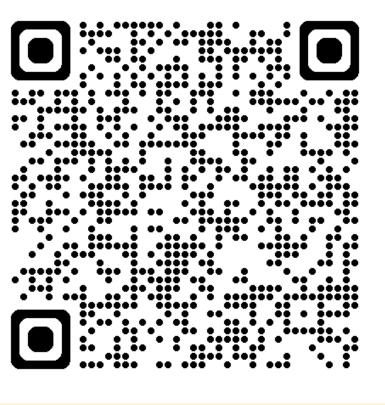
ASSESSMENT

Pre-Class Questions
In Class Clicker Questions
Post Class Al Learning Plan

MODULE TEMPLATES



Al Literacy in Biology Slides



General Template Slides

Acknowledgements

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