AI & TURNITIN:
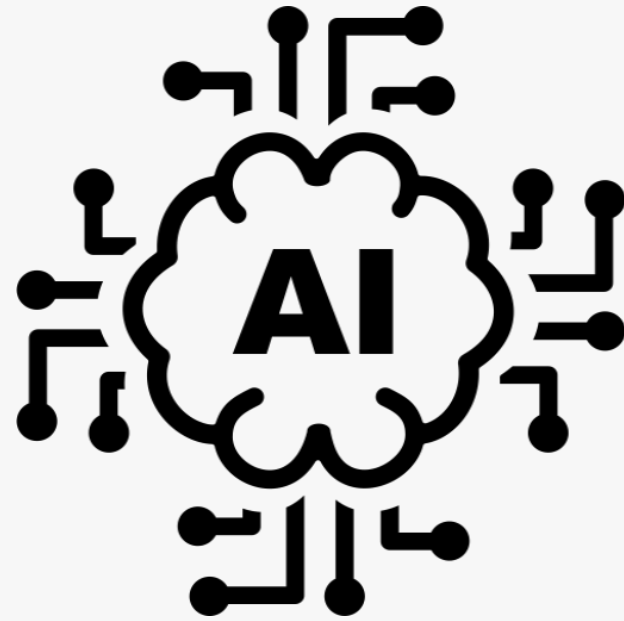
Navigating Academic Integrity with Artificial Intelligence

Meet the Educational Technologists

Kelvin Norman, Ed.D.   **Taylor Chesson, M.A.**

Session Resources

- Session will be recorded.
- Slide deck will be shared.
- We will be in the chat to answer any questions.
- Book a consultation with an educational technology specialist!

Agenda

AI Introduction

The Realities of AI Detection

Using Turnitin & AI Detection Tool

Methods to Ensure Academic Integrity

AI Introduction

Why Does AI Matter?
## The Rise of AI in Education

- It's not going away and cannot be ignored.

- This is what students will see in the "real-world."

- There are several different AI programs evolving every day.

- It's important to know how to use AI Language Models ethically.
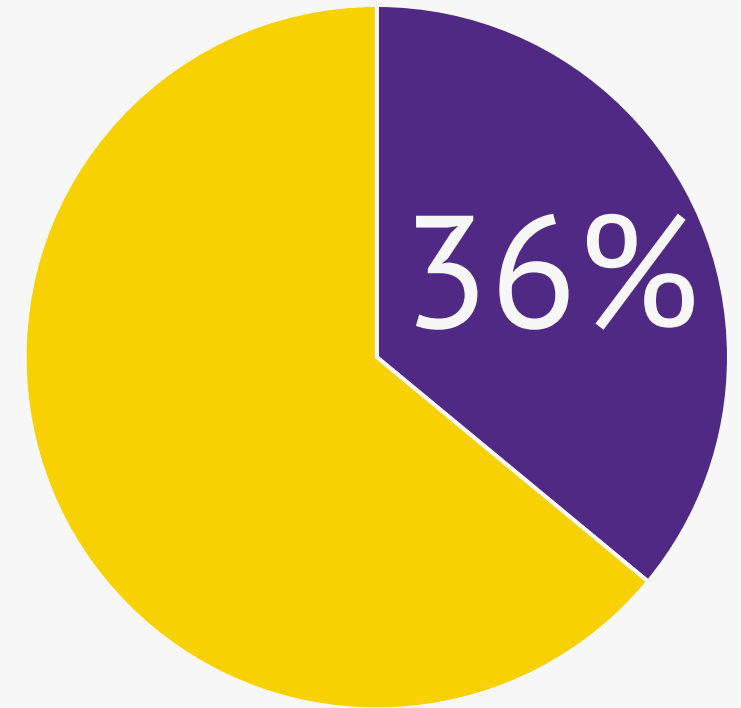
STATS FROM GRAMMARLY FOR EDUCATION

Digital Education Council: Key Results From DEC Global AI Student Survey 2024

86%
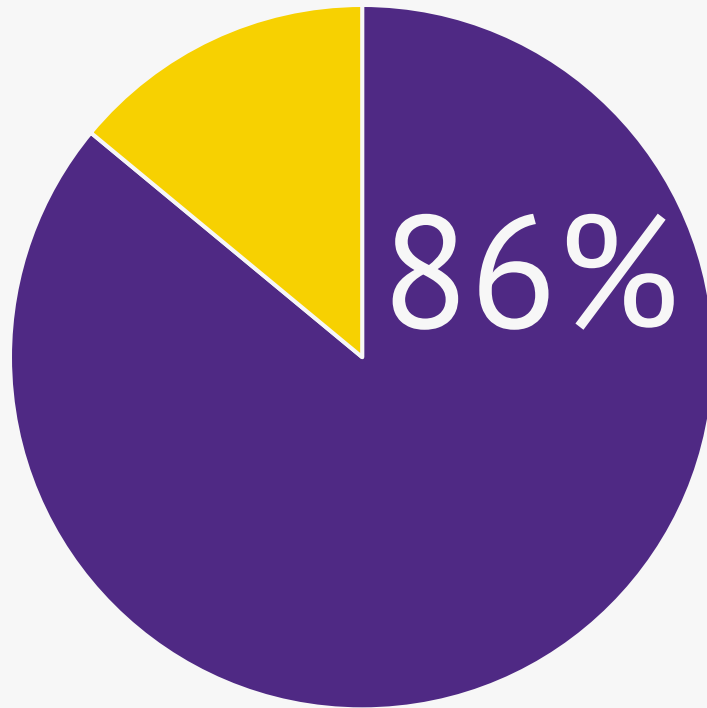
Of higher education students in a recent global survey said they "regularly" use ChatGPT in their studies.

54%
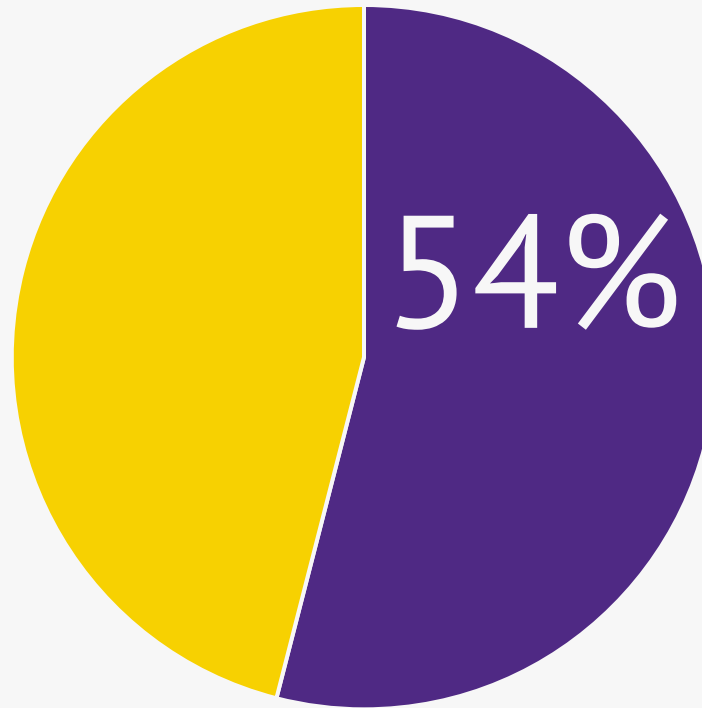
Of students in that same survey said they use ChatGPT weekly.

36%

Of faculty in June's "Time for Class" update said they used genAI at least monthly.

PREVIOUS CITL AI SESSIONS

- AI in Academics: A Paradigm Shift In Pedagogy
  Feb. 28, 2023

- Generative AI: Making ChatGPT Work for You
  Aug. 22, 2023

- Using AI to Reduce Your Academic Workload
  Aug. 27, 2024

- Top 10 Takeaways from our Summer Series:
  Teaching with AI
  Sept. 3, 2024

- Assessments in the Age of AI
  Sept. 17, 2024

- AI Prompting "Hacks"
  Sept. 24, 2024

Myths Surrounding AI Detection

Myth	Reality
AI detection tools are 100% accurate.	AI detection tools are not infallible. They can produce false positives or fail to detect AI-generated content under certain conditions.
Turnitin can detect all AI-generated content.	• Turnitin's AI detection is limited to specific types of AI-generated content. • AI tools can be manipulated or bypassed with techniques like paraphrasing, mixing AI-generated and human text, or using less common AI models.
A high AI detection score always means plagiarism.	A high AI detection score doesn't necessarily indicate plagiarism; it could reflect legitimate use of AI tools, such as grammar checkers or language models
AI detection is a standalone solution for academic integrity.	AI detection should be part of a broader strategy that includes educating students on ethical AI use and designing assignments that discourage misuse.

The Realities of AI Detection

How AI Detection Tools Work

Turnitin's AI writing detection capabilities FAQs
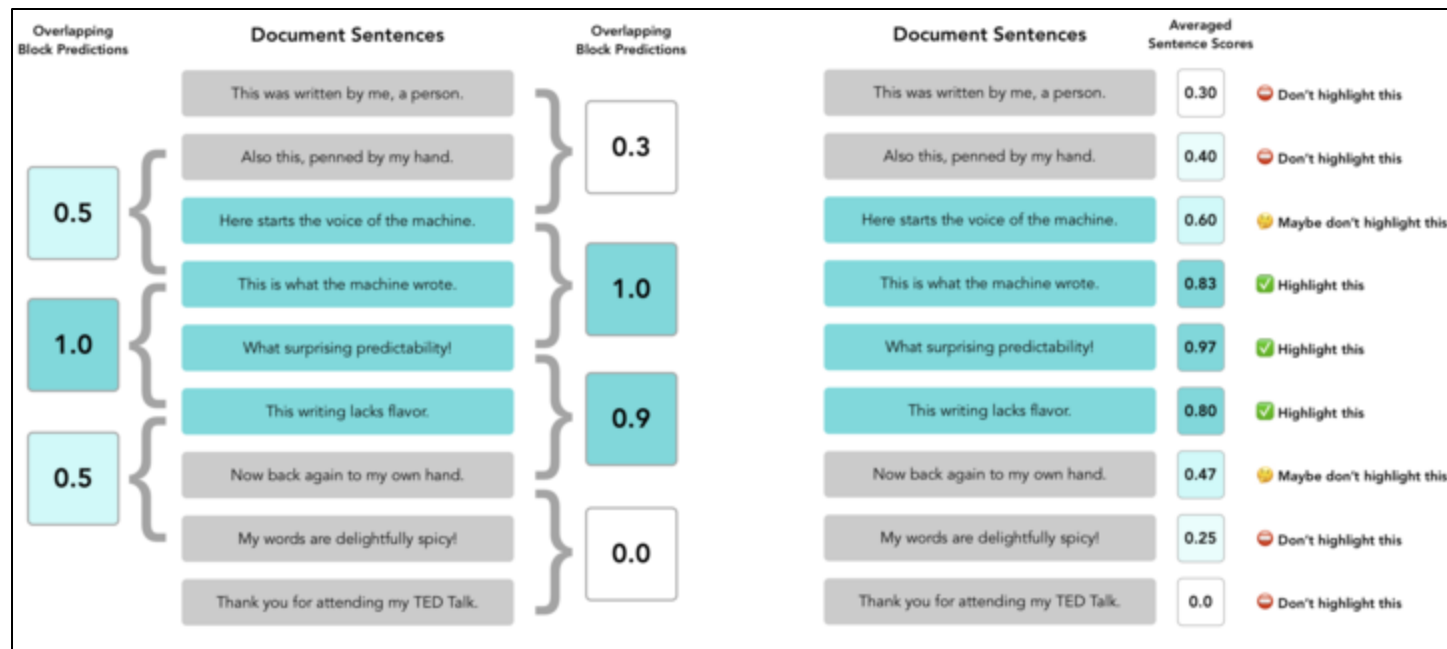
Limitations of AI Detection Tools

- False Positives/Negatives
- Inability to detect certain types of AI-generated content
- Running against outdated technology
- Technical Requirements / Parameters
  - File Size & Type
  - Word Limit
  - Language Restrictions

Real-World Examples

- Georgia college student on academic probation after using Grammarly (Settembre, 2024)

- Vanderbilt University disables Turnitin's AI Detector (Coley, 2023).

- Students simplify their papers to avoid being flagged by AI detection tools.

Live Demo

Fake Student's Name	AI Language Model Used	Turnitin AI Detection %
Student Derek	Co-Pilot	84%
Student Emma	Chat GPT	100%
Student Mateo	Google Gemini	100%
Student Maya	Perplexity	100%
Student Noah	Claude	100%

Using Turnitin & AI Detection Tools

ABOUT TURNITIN

- Used to detect matches between documents through content similarity detection
    - Does not actually detect plagiarism
    - Documents are checked against a large database consisting of:
        - Student paper repository
        - Periodicals, journals and publications
        - Current and archived web site content
    - Feedback Studio reports are used
- Two methods for implementing Turnitin
    - ilearn integration In Assignments tool
    - Turnitin.com instructor account by request
- AI writing detection report
    - AI-generated only
    - AI-generated text that was AI-paraphrased

USING TURNITIN

- iLearn integration version
  - Enabled in Assignments tool under Evaluation & Feedback
    - Click on **Manage Turnitin**
    - Place check mark by **Enable Similarity Report for this Folder**
  - Will only check documents that students have submitted
  - Settings to allow students to see similarity reports before assignment published
- Turnitin.com account
  - Must submit a request for an instructor account
  - Enables instructors to check their own documents as well as other documents
  - Same database as ilearn integrated version

TURNITIN AI DETECTION FEATURE

- The percentage generated by AI writing detection is different and independent of the similarity score

- What AI detection feature can do:
  - Identifies text that might be prepared by a generative AI tool such as large-language models, chatbots, and word spinners.
  - Detection based on AI tendency to pick the next word in a sequence of words in a consistent and highly probable fashion

- AI detection feature limitations:
  - AI detection will only work for content submitted in English and Spanish
  - AI paraphrased detection currently works only in English
  - File size less then 100 MB
  - Maximum of 30,000 words
  - Accepted file types: .docx, .pdf, .txt, .rtf
  - May not always be accurate as human-written text can be misidentified for AI-generated text
  - May not always work with some AI platforms including ChatGPT 4

HOW TO INTERPRET THE AI WRITING REPORT

- Percentage between 20 and 100
  - Color Cyan- generated text using LLM indicated with cyan color
  - Color Purple- generated with LLM and paraphrased
- Low percentages
  - False positives (*%)
  - 1 to 19 %
- Gray with no percentage displayed (--)
  - Unable to process submission
- Error (!)
  - Failed to process submission
  - Writing report cannot be opened

Methods to Ensure Academic Integrity

METHODS TO ENSURE ACADEMIC INTEGRITY

- Use Turnitin AI Writing detection and other AI detection tools for second opinion
    - Grammarly has AI detection capabilities
- Paper only submissions
    - Turnitin.com offers a tool for grading paper submissions
- Set clear expectations on AI use
    - Include AI use policy statement in course syllabus
    - Include in assignment instructions
- Create assignments that discourage AI misuse

Thank You!

Questions, Comments, Concerns?

Feedback Survey

Next Session:
Reducing Student Ghosting: Effective Engagement
Register

Resources:

The AI Dilemma: Balancing Innovation With Academic Integrity. (2024). *Grammarly.*

Coley, M. (2023) Guidance on AI detection and why we're disabling Turnitin's AI Detector. *Vanderbilt University.*

Settembre, J. (2024) College student put on academic probation for using Grammarly: 'AI violation' *New York Post.*

Turnitin's AI writing detection capabilities FAQs. (2024). *Turnitin.*