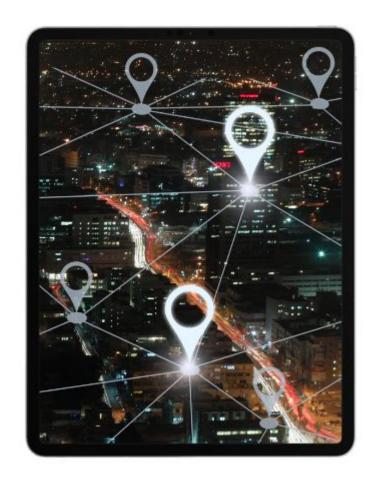


Roadmap:

- You & AI
- AI Concerns & Limitations
- LLM Observations
- AI Literacy
- Assessment Options
- AI in Assessment Design
- Use AI to Build/ Develop Assessments



You

- In the chat share, on a scale of 1 to 10, how would you rate your understanding and use of AI?
 - \circ 1 = I know nothing
 - 10 = I wrote a course about it

00 You

What daily tasks for you involve AI?

You



Recommended for You

Amazon.com has new recommendations for you based on <u>items</u> you purchased or told us you own.























Hey Siri





00 You

• What ways do you use AI for professional or career tasks?

You

Types of AI

Perplexity

Cites sources

Helps you learn

Chat GTP

Answers general questions

Scispace

Explains research articles

Magical

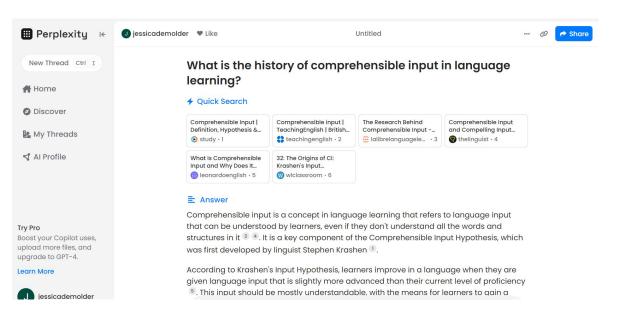
Completes repetitive tasks for you

Beautiful AI

Created presentations

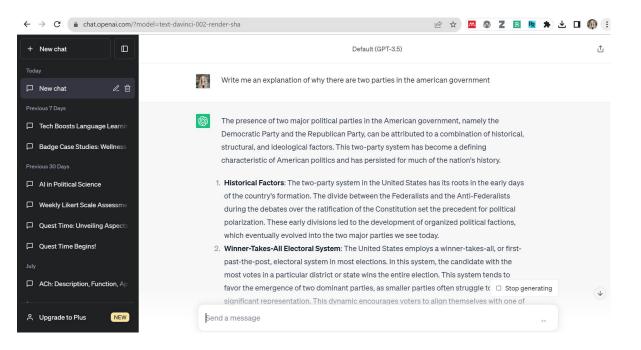
HeyGen

Video creation



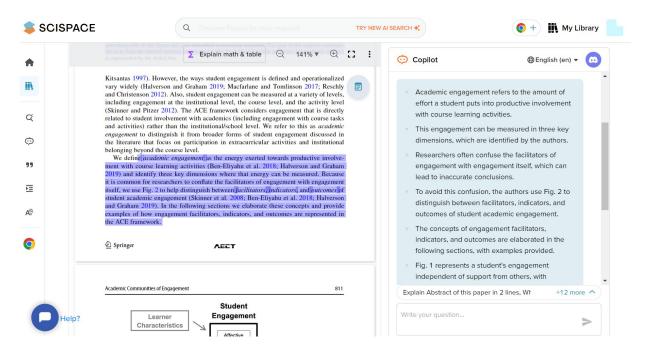
Perplexity

Starting research



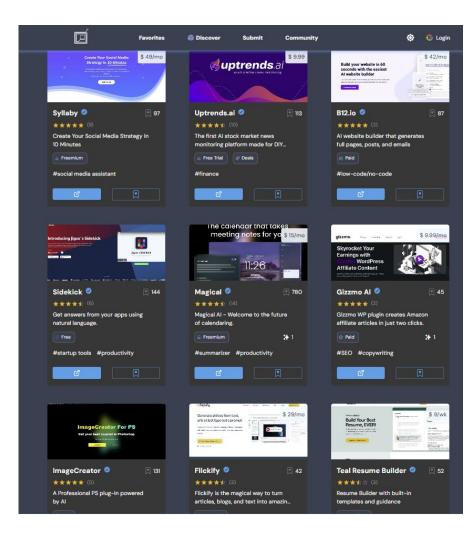
Chat GPT

Starting research



Scispace

Explaining Research



https://www.futurepedia.io/

You

• Type in the chat, what is your concern with AI?



You

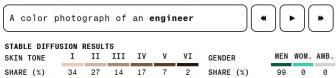


Image created by AI

Limitations of generative AI

- Misinformation and inaccuracies
- Bias and unintentional harm
- Inappropriate content
- Algorithmic implications
- Equitable access to information

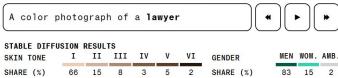
Explore Images of Workers Generated by Stable Diffusion





https://www.bloomberg.com/graphics/2023-gen erative-ai-bias/?utm source=website&utm medi um=share&utm campaign=linkedin

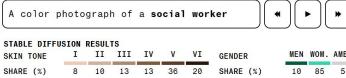
Explore Images of Workers Generated by Stable Diffusion





https://www.bloomberg.com/graphics/2023-gen erative-ai-bias/?utm source=website&utm medi um=share&utm campaign=linkedin

Explore Images of Workers Generated by Stable Diffusion





https://www.bloomberg.com/graphics/2023-gen erative-ai-bias/?utm source=website&utm medi um=share&utm campaign=linkedin

AI Literacy is Paramount.



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LLM Observation



Image created by AI

- Choose an assessment you presently offer in your courses, you take as a student, or you support an SME in.
- Copy the assignment instructions/ task into ChatGPT.
- What do you observe?

LLM Observation



Image created by AI



Image created by AI

LLM Observation

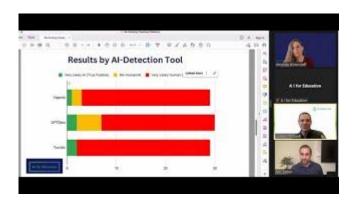
• Should we try to detect AI in student submissions of assignments?



Image created by AI



AI Detectors DO NOT Work



13:52-15:46

Washington Post: "We tested a new ChatGPT-Detector for teachers. It flagged an **innocent** student."



We have always cheated

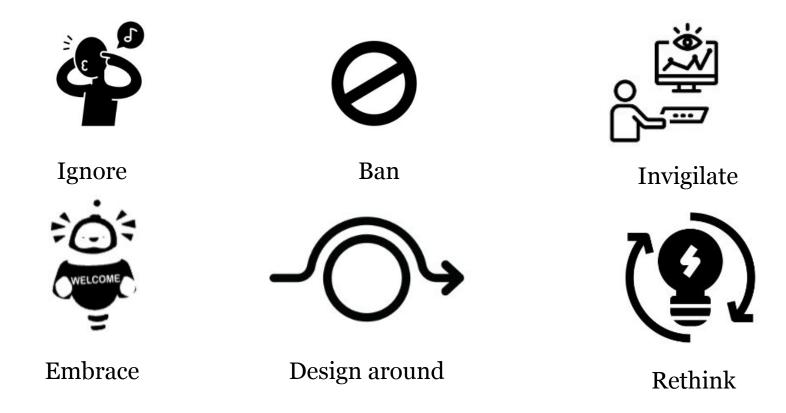
"There's been a ton of media coverage about AI making it easier and more likely for students to cheat, but we haven't seen that bear out in our data so far. And we know from our research that when students do cheat, it's typically for reasons that have very little to do with their access to technology."

https://ed.stanford.edu/news/what-do-ai-chatbots-real ly-mean-students-and-cheating

Assessment Options



"To shift the conversation beyond simply banning or policing new technology (i.e. focusing only on the means), and towards more constructive and innovative solutions."

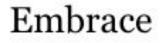


Assessment redesign for generative AI: A taxonomy of options and their viability. - Jason M. Lodge

	Short-term	Medium-term	Long-term
1. Ignore	Might get away with it momentarily		
2. Ban	Problematic	Becomes risky	
3. Invigilate	Where appropriate	Where appropriate	Where appropriate
4. Embrace	Being mindful of equity issues	Where appropriate	
5. Design around	Risky		
6. Rethink	Requires time and effort		

Table outlining options for assessment redesign in response to generative AI giving estimates of viability over the short, medium and long term (red - likely not viable, orange - care needed, and green - seems most viable).







Rethink

Assessments & Al



- Use AI as part of your assessments to build AI literacy.
- New rubrics to identify and site AI usage:
 - Was an idea shared refined by AI or was it AI's idea.
 - Show prompts used to obtain the AI content.
 - Show iterations./ Show process.

*Remember equity. The best versions of AI are behind paywalls.

We're taking back your first place ribbon. — We found traces of your parents' DNA all over your science fair project.

Collaboration between people vs collaboration between AI.

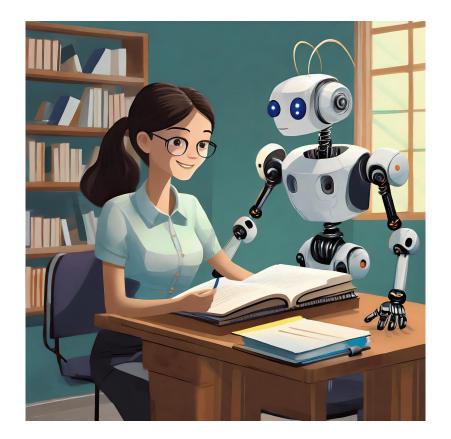




Image created by AI Image created by AI

Can I Use AI on this Assignment? Generative AI Acceptable Use Scale

Generative AI refers to any of the thousands of Artificial Intelligence tools in which the model generates new content (text, images, audio, video, code,etc)

This includes, but is not limited to, Large Language Models! LLMs such as ChatGPT, Google Bard,etc, Image creators such as Dall-E3, Adobe Firefly, and any tools with built in generative AI capabilities such as Microsoft CoPilot, Google Duet, Canva, etc etc)

	Level of AI Use Full Description		Disclosure Requirements	
0	NO AI Use	This assessment is completed entirely without Al assistance. Al Must not be used at any point during the assessment. This level ensured that student rely solely on their own knowledge, understanding, and skills.	No Al disclosure required May require an academic honesty pledge that Al was not used.	
1	Al-Assisted Idea Generation and Structuring	No Al content is allowed in the final submission. Al can be used in the assessment for brainstorming, creating structures, and generating ideas for improving work.	Al disclosure statement must be included disclosing how Al was used. Link(s) to Al chat(s) must be submitted with final submission.	
2	Al-Assisted Editing	No new content can be created using Al. Al can be used to make improvements to the clarity or quality of student created work to improve the final output.	Al disclosure statement must be included disclosing how Al was used. Link(s) to Al chat(s) must be submitted with final submission.	
3	Al for Specified Task Completion	Al is used to complete certain elements of the task, as specified by the teacher. This level requires critical engagement with Al generated content and evaluating its output. You are responsible for providing human oversight and evaluation of all Al generated content.	All Al created content must be cited using proper MLA citation. Link(s) to Al chat(s) must be submitted with final submission.	
4	Full Al Use with Human Oversight	You may use Al throughout your assessment to support your own work in any way you deem necessary. Al should be a 'co-pilot' to enhance human creativity. You are responsible for providing human oversight and evaluation of all Al generated content.	You must cite the use of Al using proper MLA or APA citation. Link(s) to Al chat(s) must be submitted with final submission.	



Assessments & Al



- What is an objective you have in your one of your courses?
- How do you assess it?
- What are other ways you can assess it?
- Is there a way to use AI?

Assessments & Al



- Use AI tools, and put in some of the assessment prompts you have. See what AI comes up with.
- What do you think of what AI gives you? Why?

Is this something you could do with your students?

What would it show them?

Assessments & Al



Image created by AI



Two-Lane Approach

Revolutionize Assessments: Navigating the AI Highway with Two Lanes – Securing Learning and Adapting for Success!

03Assessments & Al



Image created by AI

Two-Lane Approach

LANE 1

- Real-Time Skill Checks: Assessing Abilities on the Fly in Workshops and Tutorials.
- Engaging Conversations: Interactive Oral Assessments that Spark Dialogue.
- Simulate Success: Thrilling Live Assessments to Put Skills to the Test.
- On-Campus Testing: Authentic Exams, Rarely Used, Ensuring Program Excellence Over Unit Goals.

03Assessments & Al



Image created by AI

Two-Lane Approach

LANE 2

- AI-Powered Insights: Students Enhance Submissions with AI-Generated Appendices.
- AI Research Insights: Critically Assessing AI Contributions Alongside Traditional Research.
- Collaborative Writing Evolution: Students
 Harness AI to Develop Their Voice and Thought
 Process.
- AI-Aided Artifacts: Crafting Excellence by Enriching AI-Generated Content with Critical Analysis.

Assessments & Al



Image created by AI

Liu, D. (2023, July 12). *Teaching@sydney*. TeachingSydney.

https://educational-innovation.sydney.edu.au/te aching@sydney/what-to-do-about-assessments-if -we-cant-out-design-or-out-run-ai/

Two-Lane Approach

LANE 1

- Real-Time Skill Checks
- Engaging Conversations
- Simulate Success
- On-Campus Testing

LANE 2

- AI-Powered Insights
- AI Research Insights
- Collaborative Writing Evolution
- AI-Aided Artifacts



- Why do you use assessments. What is the point of an assessment?
- Identify why you have particular assessments in your courses.
- Do the assessments you have now offer authentic skill transfer for your (or your SME's) profession/ career?

"AI will not completely replace humans, but those who use AI will replace those who do not."



Build with AI



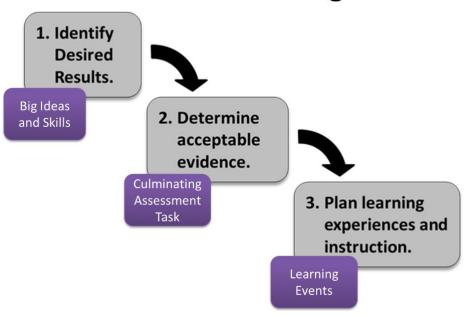
Image created by AI

- Use AI to build out your questions, format, rubrics, etc. for your assessments.
- How can you break down your summative assessment(s) or main outcomes identified to plan for scaffolded earlier formative assessments.

Or

What is an assessment you have, that you can add elements to along the way?

Backward Design



What's the objective?

Backwards Design

Wiggins, G. P., & McTighe, J. (2005). Understanding by design. Association for Supervision & Curriculum Development.



What are the building blocks along the way?

Backwards Design



Rethink Assessment with AI Integration



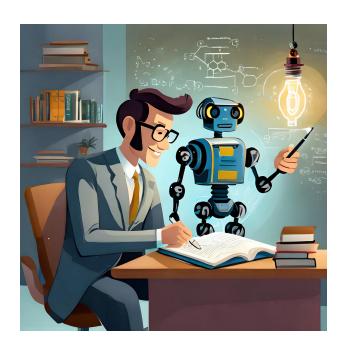


Image created by AI

Image created by AI

Build with AI - Examples



Course:

Econ - Business Ethics

Objective:

Students will be able to identify and describe ethical dilemmas in small business start ups, as well as suggest possible solutions.

Build with AI - Examples



Course:

Econ - Business Ethics

Objective:

Students will be able to identify and describe ethical dilemmas in small business start ups, as well as suggest possible solutions.

Lane 2:

Students are giving two court cases from small businesses. They analyze them to identify the ethical dilemmas. They ask generative AI to look through the cases as well to see what it can find as ethical dilemmas. Then they compare what they found to what AI found.

- What did AI miss?
- What biases or problems lead AI to miss these things?
- How did they vet the information from AI?
- What did they miss on their own?
- Can they now present more information now that they collaborated with AI?

Lane 1:

Students present their findings from lane two in a short presentation (in class or online).

Build with AI - Examples



Course:

Marketing

Objective:

Students will be able to evaluate the effectiveness of different marketing strategies.

Build with AI - Examples



Course:

Marketing

Objective:

Students will be able to evaluate the effectiveness of different marketing strategies.

Lane 2:

Students collaborate with generative AI tools for market research and campaign design. They are required to record their interactions with these AI tools, documenting the AI's initial research and analysis, along with their own critique and fact-checking procedures to assess the AI's outputs. Students evaluate whether the AI offered innovative insights and identify any critical factors it may have missed.

Lane 1:

In class students are presented with a new marketing campaign, and they need to critique it and evaluate its effectiveness based on the strategies used in the presented campaign.

Build with AI - Examples

Does this give you ideas?

Do you want to share any of them?

Course:

YOURS

Objective:

YOURS

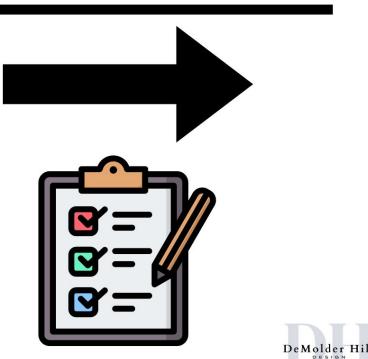


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Build with AI

AI Checklist

Before using AI in education verify that:





Build with AI

AI Checklist

Before using AI in education verify that:



It's aligned with your learning objectives.





Build with AI

AI Checklist

Before using AI in education verify that:



It's accessible to all learners.





Build with AI

AI Checklist

Before using AI in education verify that:



Students' privacy is protected.





Build with AI

AI Checklist

Before using AI in education verify that:



Students are aware and prepared for biases and hallucinations.





Build with AI

AI Checklist

Before using AI in education verify that:



It meets WCAG (accessibility) standards.





Build with AI

AI Checklist

Before using AI in education verify that:



It enhances learning and critical thinking.





Build with AI

AI Checklist

Before using AI in education verify that:



You have a plan to regularly reevaluate the tool.





Build with AI

AI Checklist

Before using AI in education verify that:

- ✓ It's aligned with your learning objectives
- ✓ It's accessible to all learners
- ✓ Students' privacy is protected
- ✓ Students are aware and prepared for biases and hallucinations
- ✓ It meets WCAG (accessibility) standards
- ✓ It is available to all students equally
- ✓ It enhances learning and critical thinking
- ✓ You have a plan to regularly reevaluate the tool



Pedagogy driven. Tech innovated.



Image created by AI



Pedagogy driven. Tech innovated.

with DEMOLDER HILL DESIGN

Subscribe to get notified when our **free AI Integration** in Assessment course comes out.



Thanks!