



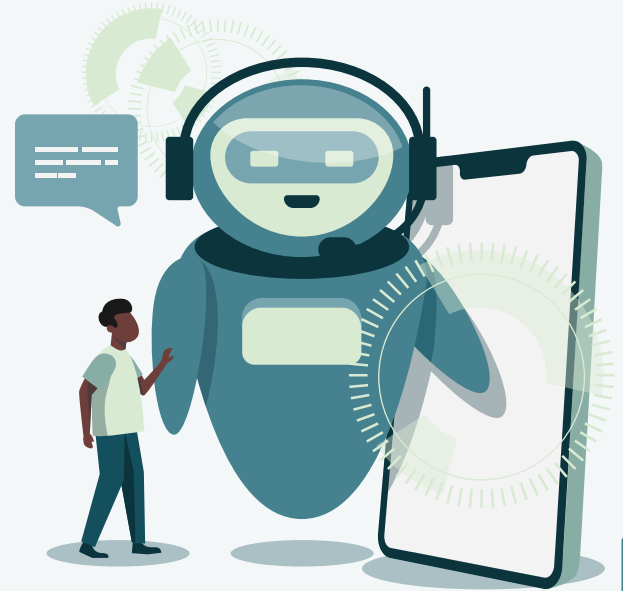
# Open Learning Presentation

Pair #6: Mandy Song and Eleonora Stoyanova



## Project Topic

**AI-Powered Automated Grading: Can machines provide accurate feedback on complex learning tasks?**





# Background

## What is AI-Powered Automated Grading?

- Using AI algorithms to provide immediate feedback on student assignments as opposed to having educators do so themselves

## How AI-Powered Automated Grading tools work:

1. Uses predefined answer keys
2. Uses Natural Language Processing (NLP) or machine learning algorithms



# Examples of AI-Powered Automated Grading Tools



## EssayGrader

Grades student work against an educator-provided rubric



## Graded Pro

Streamlines assessments for subjects like math, science, or English



## Quizizz

Provides automatic feedback to objective assessments



# Relationship of our Topic to Teaching and Learning



## AI has the potential to transform assessment practices

Personalized assessments, quicker feedback, and efficiency.



## Is it completely good?

There's always potential for AI to have negative consequences on learning and teaching.



# Pros, Cons, Risks

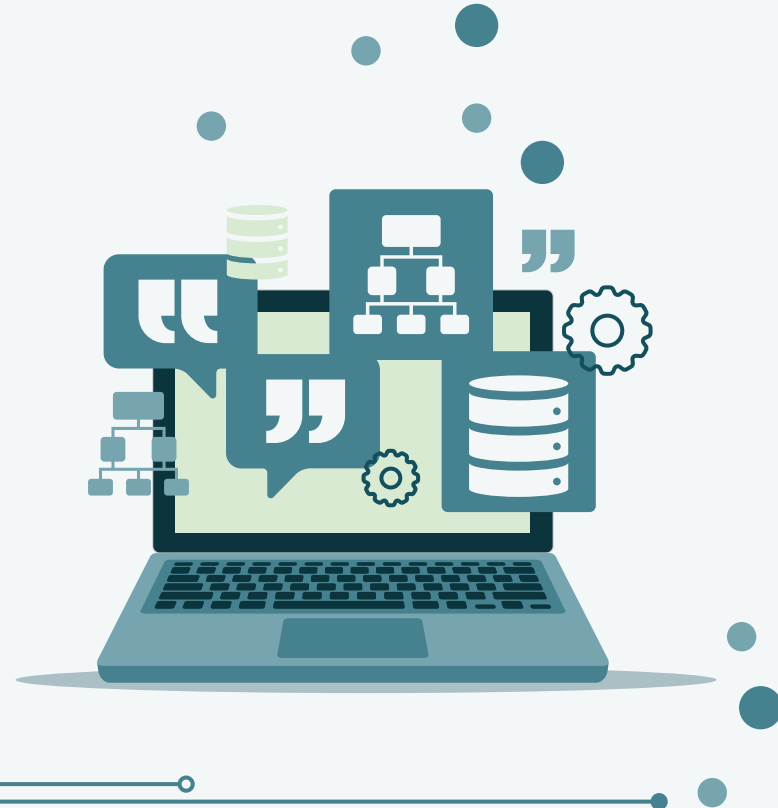
Pros	Cons	Risks
<ul style="list-style-type: none"><li>• Fast, immediate feedback.</li><li>• Great for large classrooms.</li><li>• Frees up instructor time.</li><li>• Consistency</li></ul>	<ul style="list-style-type: none"><li>• Limited understanding of nuance.</li><li>• Lacks contextual judgement.</li><li>• Potential technical Issues.</li><li>• Dependence on quality training data.</li></ul>	<ul style="list-style-type: none"><li>• Bias in algorithms.</li><li>• Over-reliance on AI.</li></ul>





# PackBack

- AI-graded discussion forum tool that provides immediate feedback on student posts
- **Point system:** graded students based on use of headings, word count, number of references, etc. and not on content
- Use of AI-powered automated grading is not a useful measure of competency for all assignments





# Best Practices

- Understand that AI works best as a *supplement*, not a replacement.
- Always **evaluate** AI-generated feedback before passing it on to students.
- Use AI sparingly but **strategically** – to support their process, not dictate it.
- Be **transparent** with students.

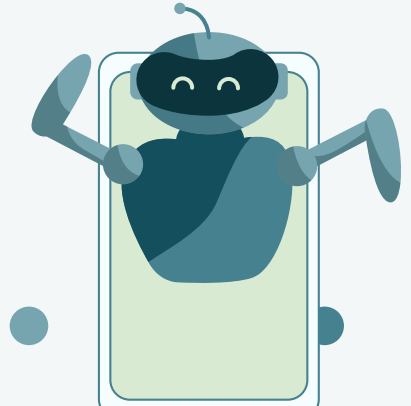






# Some Questions to Chew on..

- Can AI truly understand the depth and nuance of student learning?
- Do you personally believe that AI grading will be used as intended?
- How can we ensure fairness and transparency when AI is involved in grading?
- How do you think educators can strike the right balance for using AI tools and teaching?
- If your professor used AI to grade your assignment, what would make that feel fair or acceptable to you?





# Thanks!

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