



# NATIONAL INSTITUTE ON ARTIFICIAL INTELLIGENCE IN SOCIETY

## CALIFORNIA STATE UNIVERSITY SACRAMENTO

<http://csus.edu/ai>

## AI-Assisted Grading

---

The traditional approach to grading, often seen as laborious and time-consuming, is undergoing a transformation with the advent of AI-assisted tools. The necessity for grading, even in the era of AI-assisted writing, remains, but AI offers a promising avenue for alleviating the monotony and fatigue associated with evaluating a large volume of student work.

### Summative vs. Formative Feedback

- **Summative Feedback:** Often culminates the evaluation process without significantly influencing ongoing learning, limiting its impact on student development.
- **Formative Feedback:** Provided during the learning journey, it encourages real-time improvements and learning through critique and suggestions on drafts and proposals, making it pedagogically superior despite its demand on instructors' time. The use of AI can help provide more formative evaluations.

### What to do

1. Upload or paste both the rubric and anonymized student work into an AI-powered chatbot.
2. Specify what kind of feedback you want (brief or extensive)
3. Always check AI-generated evaluation before releasing to students

### Ethical Considerations and Transparency

Ethical concerns arise regarding the presentation of AI-generated feedback. Transparency about the use of AI in grading processes is vital. While AI can draft feedback, instructors should take full responsibility for the final output, ensuring it undergoes thorough review and editing to maintain integrity and authenticity in the evaluation.

### Empowering Students with AI Tools

Encouraging students to use AI tools for self-assessment can foster independence and self-improvement, enabling them to refine their work continuously. This approach not only enhances their learning experience but also equips them with skills for critical self-evaluation.

### Learning Analytics

AI-powered chatbots offer unique opportunities for enhancing learning analytics, enabling educators to identify gaps in understanding and adjust teaching strategies accordingly. By analyzing comprehensive student work, AI can provide insights into areas requiring focus, facilitating a more targeted and effective formative assessment approach.