

Equitable AI Alliance

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Session outcomes

- Share background from the **SDSU AI student surveys**
 - Largest known AI surveys in higher education
 - First launched in 2023 and replicated in 2024
- Share equitable AI alliance
 - Collaboration between SDSU, UCSD, and SDCCD
 - AI surveys
 - AI micro-credential course
 - Custom educational AI tools

But first: AI survey



Do students have concerns about AI's accuracy, as in this image?

- In 2023, we started an institutional research project at SDSU to improve our campus response to AI
- We wanted to understand:
 - How do students feel about AI?
 - How much and in what ways do they use AI?
 - What specific tools do students use?
 - Do these factors vary across demographics or other groups?

Data collection

- We asked students a balance of Likert scale (strongly disagree to strongly agree) and open-ended qualitative questions
- In 2023, we targeted a 10% response rate, or about 3,500 responses. We got 7,811 responses!



SDSU

San Diego State
University

Data collection

- As of 2023, our 7,811 responses at SDSU were the largest known survey on AI in higher education*
- More responses than nationwide in Sweden (~5,900) and Australia (~1,100)
- Given this successful model, how can we do more?

SDSU, UC San Diego and San Diego Community College District's Equitable AI Alliance awarded \$1.5 million grant

The alliance allows the three campus networks to share survey data, educational resources, and new and existing artificial intelligence tools for all students, faculty and staff.



California Learning Lab
AI Grand Challenge
.....

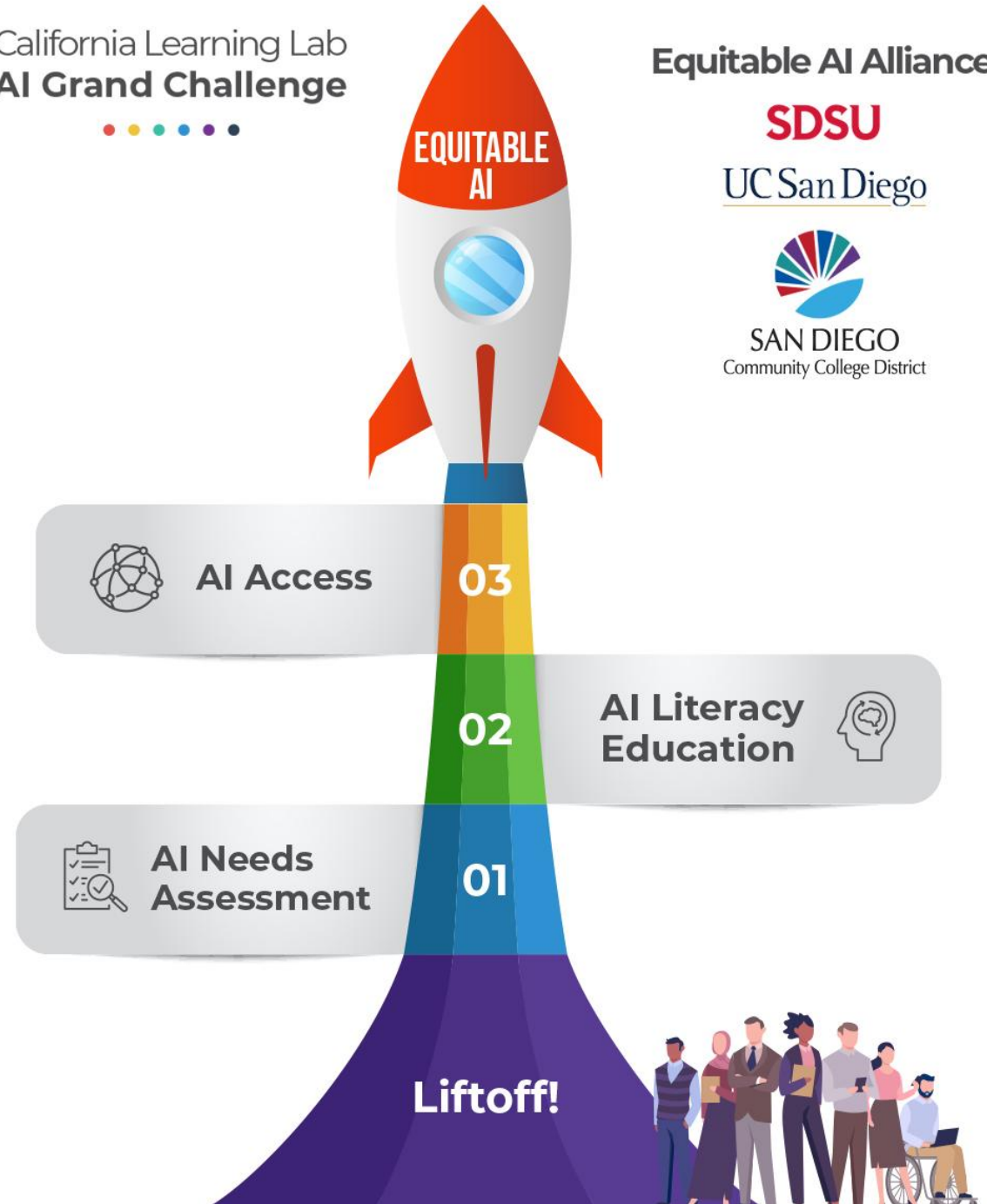
Equitable AI Alliance

SDSU

UC San Diego



SAN DIEGO
Community College District



Equitable AI Alliance

- **AI needs assessment**
 - Replicate the AI survey each year at SDSU, UCSD, SDCCD (and more?)
 - Track velocity of change
- **AI literacy training**
 - Create accessible AI literacy modules for students in all fields
- **AI access**
 - Create custom-built chatbots at each institution

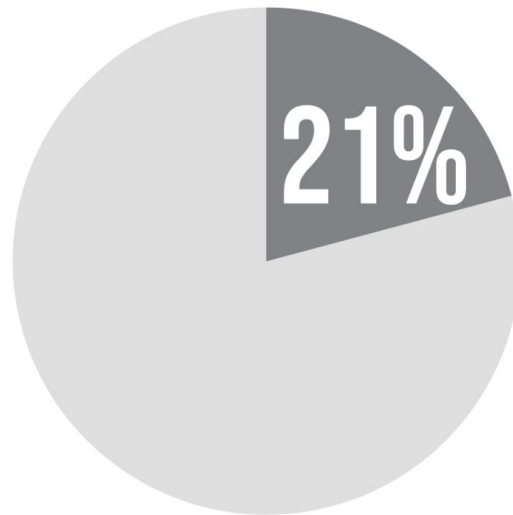


AI Survey

SDSU

2023 RESULTS

Student response rate ($n = 7,811$)

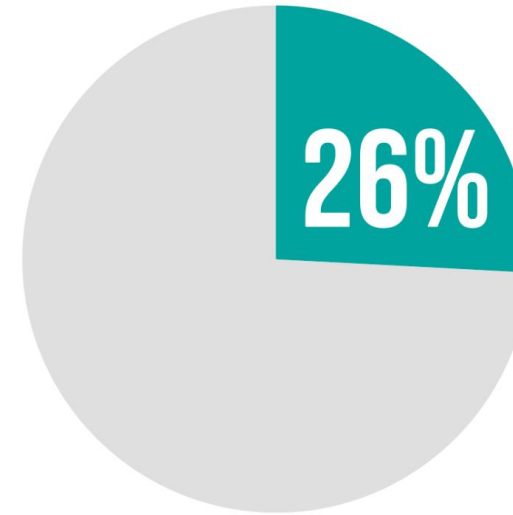


2024 RESULTS

Campus-wide response rate ($n = 12,166$)

Students ($n = 10,162$)

Faculty & Staff ($n = 2,004$)



NOW REGULARLY USING AI

Faculty	69%
Staff	67%
Students	68%

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Shared Governance & Collaboration



Associated Students

Collaboration with student leaders across the campus

SDSU Senate

Engagement with faculty and students via SDSU Senate



CSU Senate

CSU system-wide senate resolution and engagement



Center for Teaching & Learning

Co-facilitation of discussions and training for faculty

Library & Digital Humanities

Collaboration w/ information curation specialists





Student AI Survey Representation

College	SDSU Percentage	Survey Percentage
Arts & Letters	12.3%	14.1%
Business	22.1%	19.5%
Education	6.7%	7.9%
Engineering	9.7%	12.1%
Health & Human Services	13.1%	13.6%
Prof Studies & Fine Arts	15.3%	12.0%
Sciences	17.7%	18.7%
Undeclared	3.2%	2.1%
Total	100.0%	100.0%

Campus	SDSU Percentage	Survey Percentage
San Diego	97.0%	97.0%
Imperial Valley	3.0%	3.0%

AI Survey Highlights

- Students see AI as important: 71% say AI will become an essential part of most professions, and 58% say it will have a significant role in their future career
- ...and they're using AI: 68% report that they regularly use AI in some capacity, and 48% say they're using it for their courses
- ...even though we don't encourage it: just 26% report that their SDSU professors encourage the use of AI in their coursework



AI Survey Highlights

- We asked students to select the AI tools they used from a list we developed. The most commonly used AI tool was ChatGPT, closely followed by Grammarly
- We also asked students for any AI tools we missed. The most common answer: Snapchat



AI Survey Highlights

- Major matters: Engineering and business students seem warmest on AI. They are most confident in their use of the technology and its role in their career
- Age matters: Older students are more likely to follow news about AI and discuss it with others. They're the most interested in SDSU resources to learn more about AI
- Background matters: International students were more interested in AI tools and training than domestic students

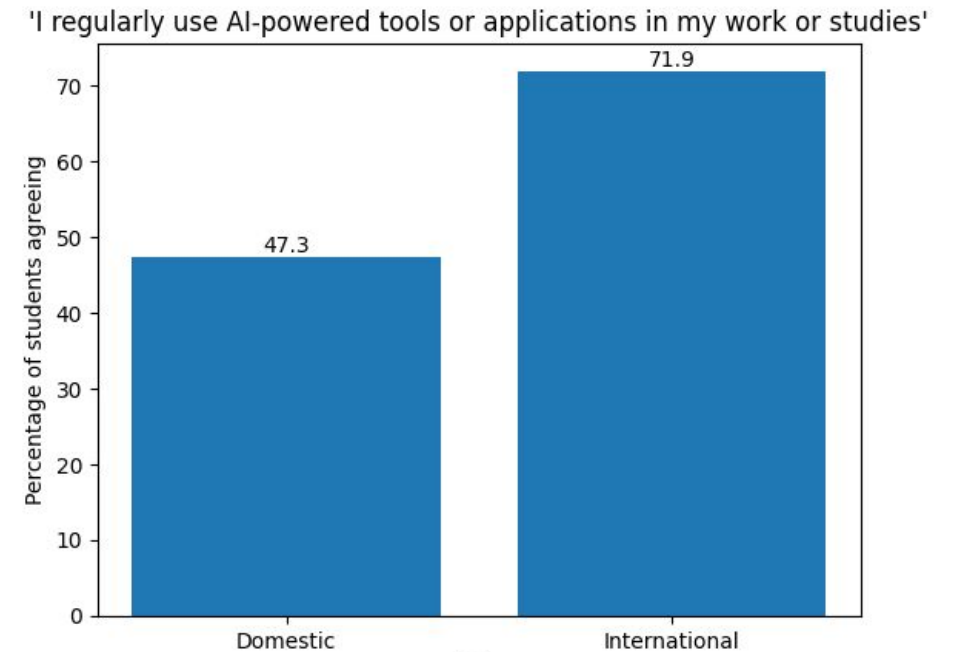
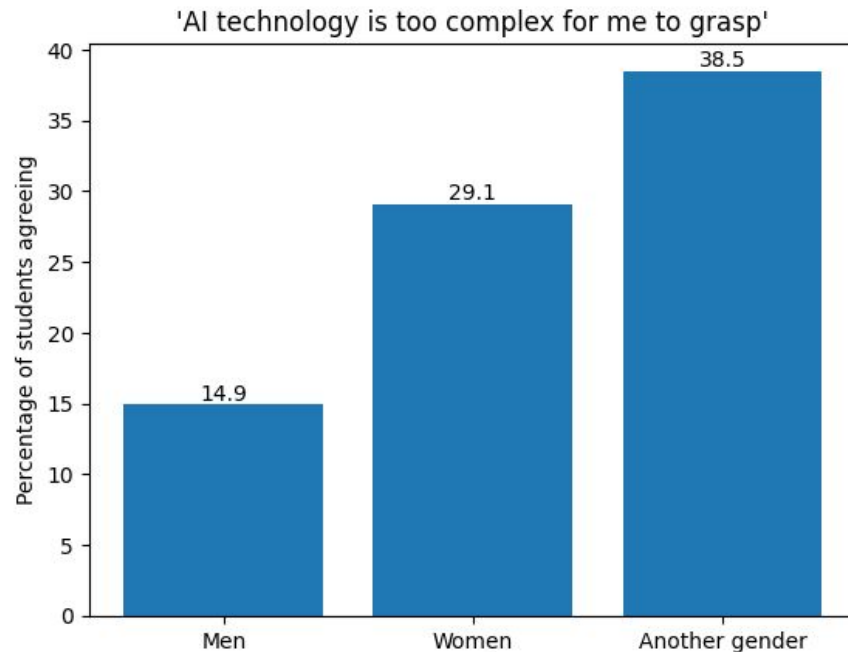
AI Survey Highlights

- Students want training: 52% of students expressed interest in receiving formal university education on AI
- ...but don't feel they're currently getting it: Just 28% of students report that they are currently offered adequate AI training opportunities

Differences between Groups

Comparing groups across campus, we found that on average these groups were most comfortable with AI:

- STEM students (vs. non-STEM students)
- Male students (vs. female and non-binary students)
- International students (vs. domestic students)
- Graduate students (vs. undergraduate students)
- San Diego students (vs. Imperial Valley students)



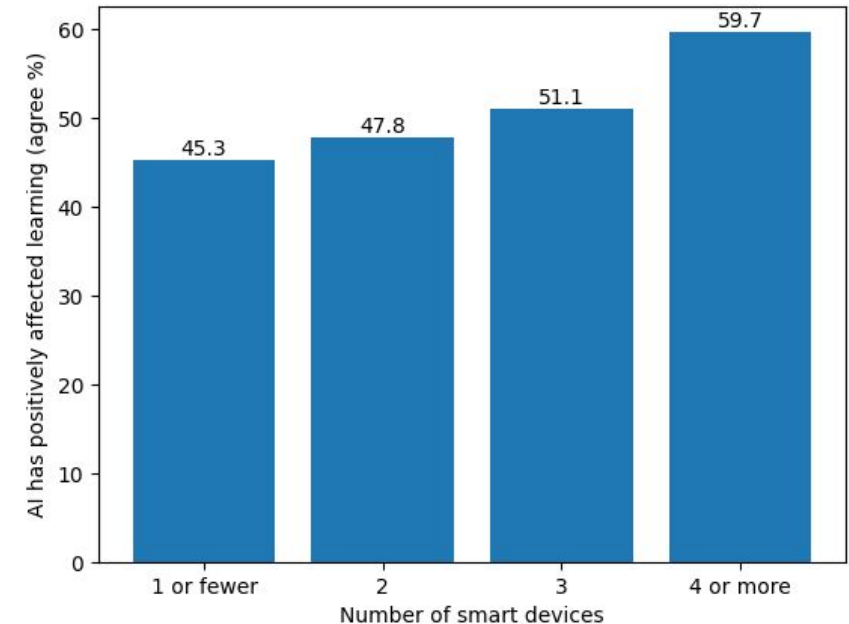


Evidence of an AI Digital Divide

More Devices =

**More likely to say that AI
has positively affected
their education at SDSU**

- *"I am concerned about the fee increase"*
- *"It has the potential to give people an unfair advantage"*
- *"Is every student going to be able to afford the technology that is needed to keep up with AI?"*
- *AI required should be "in the public domain"*





Students also Feel...

Disoriented

"I'm not sure what's allowed and what's not"

"Please just tell us what to do and be clear about it"

"Will it depend on the professor if it's deemed as cheating or not?"

Distrusted

"If I write a really good essay will I be accused of AI usage?"

"I worry that teachers will start using checking software that will be wrong and take points off for no reason"

"Some students are watched more closely than others"

"There needs to be more trust"

SDSU AI SURVEY RESULTS: 2023 vs 2024

ChatGPT usage (Difference: +37%)



Grammarly usage (Difference: +22%)



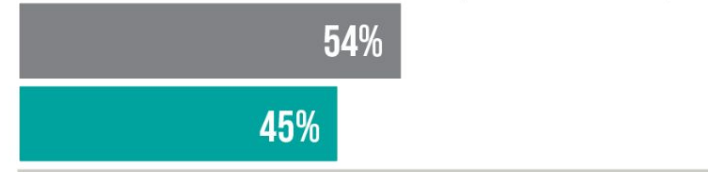
Students using AI in their studies (Difference: +10%)



Students stating that AI has positively affected their learning experience at SDSU (Difference: +12%)



Students stating that their curriculum lacks adequate exposure to AI (Difference: -9%)



Students stating that their professors encourage the use of AI in coursework (Difference: +7%)



Students stating that they have seen opportunities to learn more about AI around campus (Difference: +9%)



AI will become an essential part of most professions (Difference: 0%)



QUALITATIVE INSIGHTS

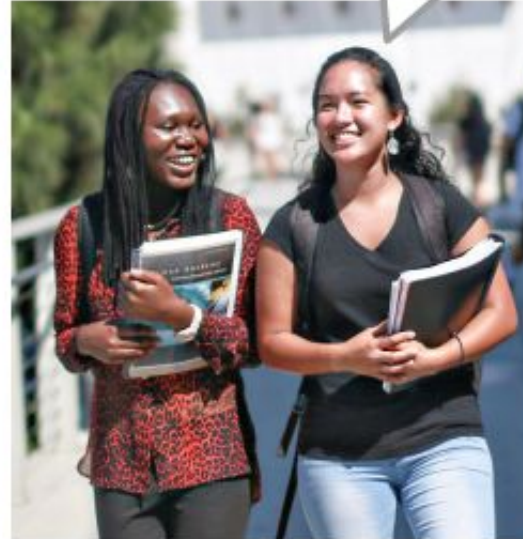
Results from the open-ended responses indicate that students are eager for training and AI literacy embedded in the curriculum, recognizing its broad relevance across disciplines. AI is praised for improving grammar and writing, though some fear professors' heightened focus on cheating. Ethical concerns and potential misuse are also noted, though many emphasize AI's positive impact on personalized learning and productivity.

"The curriculum needs to adapt to the times and tools."

"Teaching students how to properly use AI Technology seems to be the best option."

"AI has potential to improve people's lives if we use it intentionally."

"Will we be taught skills or will those who are unaware or don't have access be at a disadvantage?"



“Ensure professors cannot unilaterally ban a technology because they are too lazy to restructure the same assignment they've been using for 10+ years.”





Cal State Fullerton.



FRESNO STATE



UC San Diego

CSUN
CALIFORNIA STATE UNIVERSITY NORTHRIDGE

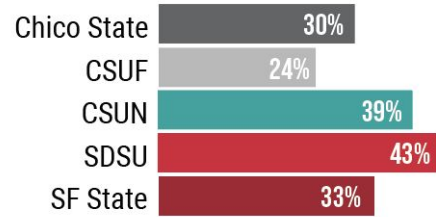


LOGAN UNIVERSITY

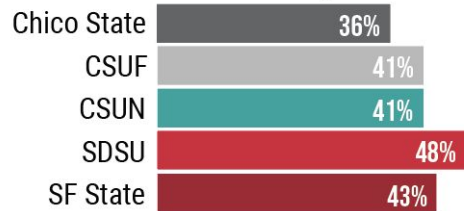


AI SURVEY RESULTS: MULTI-SCHOOLS

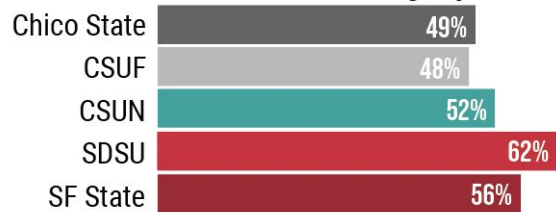
Students stating that they have seen opportunities to learn about AI around campus



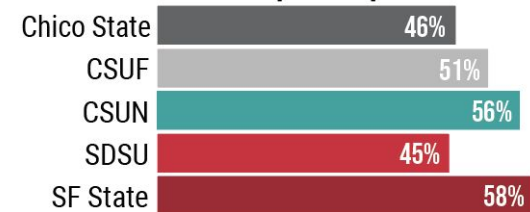
Students using AI in their studies



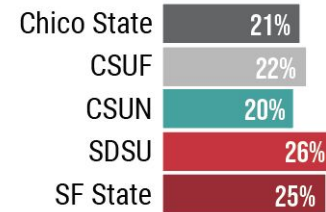
Students stating AI has positively affected their learning experience



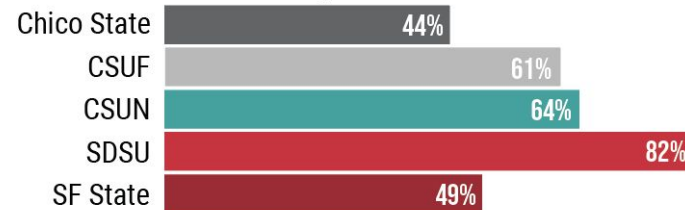
Students stating their curriculum lacks adequate exposure to AI



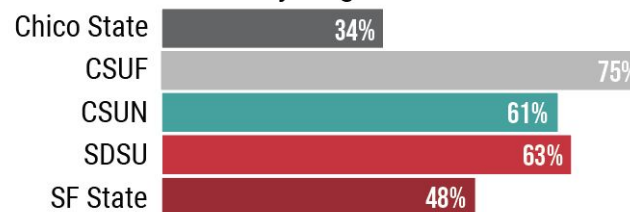
Students stating that their professors encourage the use of AI in their coursework



ChatGPT usage



Grammarly usage



Explore the Survey Data

SDSU AI Student Survey Chatbot ⓘ ?

To analyze quantitative questions: [Launch dashboard](#)

Survey question
What are your main questions or concerns about how AI will be incorporated into classes at SDSU over the next 2-3 semesters?

Filters

Welcome! I'm a friendly chatbot trained to assist in analyzing SDSU's AI student survey data. I can analyze any survey question from the dropdown above, and you can optionally filter by student demographics and/or background. When you're ready, ask me a question!

SDSU AI Student Survey Dashboard ⓘ **SDSU** San Diego State University

To analyze qualitative questions: [Launch chatbot](#)

Survey question
I regularly use AI-powered tools or applications in my studies

Survey results for all students

[Copy](#) [Excel](#) [CSV](#) [PDF](#)

Response	Number of responses	Percent of responses
1. Strongly disagree	1,805	26.46%
2. Disagree	1,517	22.24%
3. Somewhat disagree	914	13.40%
4. Somewhat agree	1,517	22.24%
5. Agree	715	10.48%
6. Strongly agree	354	5.19%
Total	6,822	100.00%

Percent

Response

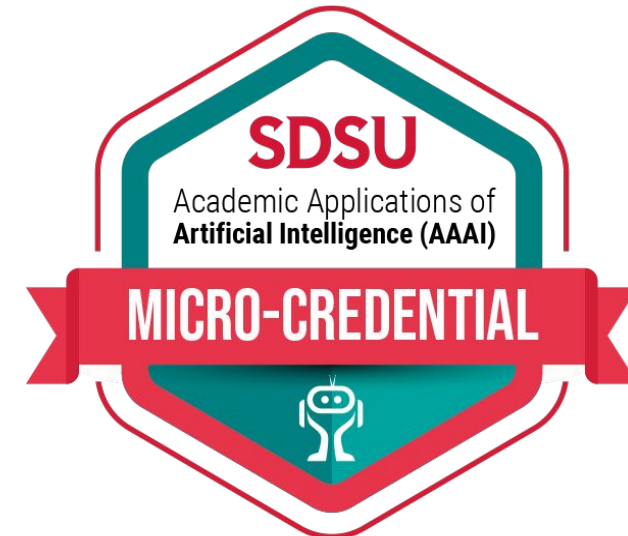
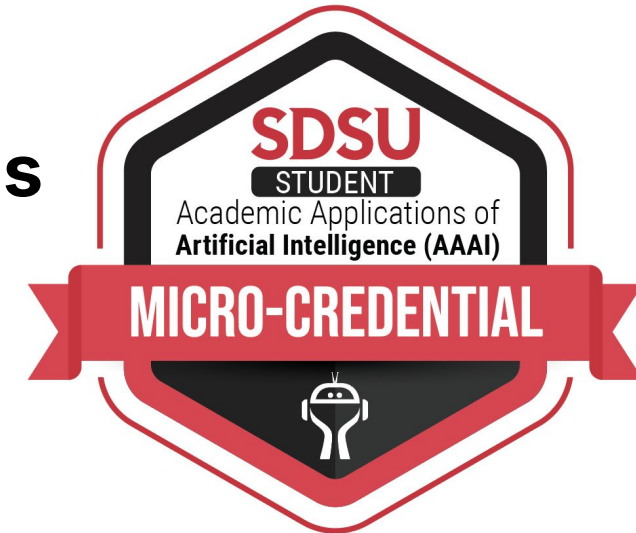


aisurvey.sdsu.edu

Academic Applications of AI (AAAI) Micro-Credential

Audit (2 hour) and badge (4 hour) versions

- 5 'modules' averaging 25-50 minutes each
 - Overview: How Does AI Work?
 - Ethics and Responsible Use
 - What Can AI Do?
 - Finding Apps
 - Prompt Engineering Activities
- Read-view-do format
- Activities required for badge (e.g., quizzes and prompt creation)



Available for Students, Faculty, and Staff

SDSU

San Diego State
University



Next Steps for AAAI

- Regular cycle of assessment and improvement
- CSU-wide version released in April
- Public version coming soon



In-house AI tools





SDSU GPT

SDSU Assistant	Searches SDSU policies, process, and help documentation. Provides direct answers, generates content (documents, emails, reports).
Teaching & Learning Assistant	Creates Canvas-ready instructional materials, activities, assessments.
Job Description Helper	Streamlines job description creation for hiring managers.
HR Department Assistant	Assists with HR policies, procedures and tasks. (This chatbot will serve as the basis for future department assistants.)



SDSU Assistant

SDSU specific guidance, content creation and brainstorming.

Send a message or try using @ or /

 SDSU Assistant ▾  File





Generative AI in Higher Education: Insights from a Campus-Wide Student Survey at a Large Public University

PROCEEDING

Adela de la Torre, James Frazee, Sean Hauze, San Diego State University, United States

International Technology & Teacher Education International Conference, Mar 25, 2024 in Las Vegas, Nevada, United States
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Proceedings Book



"I Don't Want to Be Taught and Graded by a Robot": Student-Teacher Relations in the Age of Generative AI

Article metadata

Article length: 16 min read
3,153 words in 33 paragraphs

Generative artificial intelligence (GenAI) is reshaping student-teacher relations in higher education in both exciting and worrying ways. Proponents point to its potential to personalize learning and foster innovative teaching approaches. But others view GenAI as a liability, casting the technology as a new and improved way to cheat, giving into a stereotype of students as natural-born plagiarists.

Is this fair? Is it right? What does the stereotype tell us about educational culture and structure more broadly? And how can we better understand of the student position? This article explores education's response to GenAI.

The Spri

EDUCAUSE REVIEW

The Voice of the Higher Education Technology Community

Using Student Data to Bridge the AI Divide

James Frazee Wednesday, April 10, 2024
7 min read

Listen

Knowing your students is essential to an inclusive and equitable future.



Bridging the AI Divide: A Call to Action
Leaders must take steps to prevent low-income and first-generation students from falling further behind, Adela de la Torre and James Frazee write.

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Leaders in higher education must take decisive actions to prevent artificial intelligence (AI) from further exacerbating inequality.

AI literacy has already become a gating qualification for particular jobs in America's workforce. In one recent survey by Amazon Web Services,

Questions/Discussion