



Artificial Intelligence Faculty Survey
Spring 2025

Presentation Summary

This presentation provides a review of the Faculty Senate AI Task Force Spring 2025 Artificial Intelligence Faculty Survey.

The presentation provides a quantitative review of faculty views and experience with AI, including a review of the AI tools used by faculty.

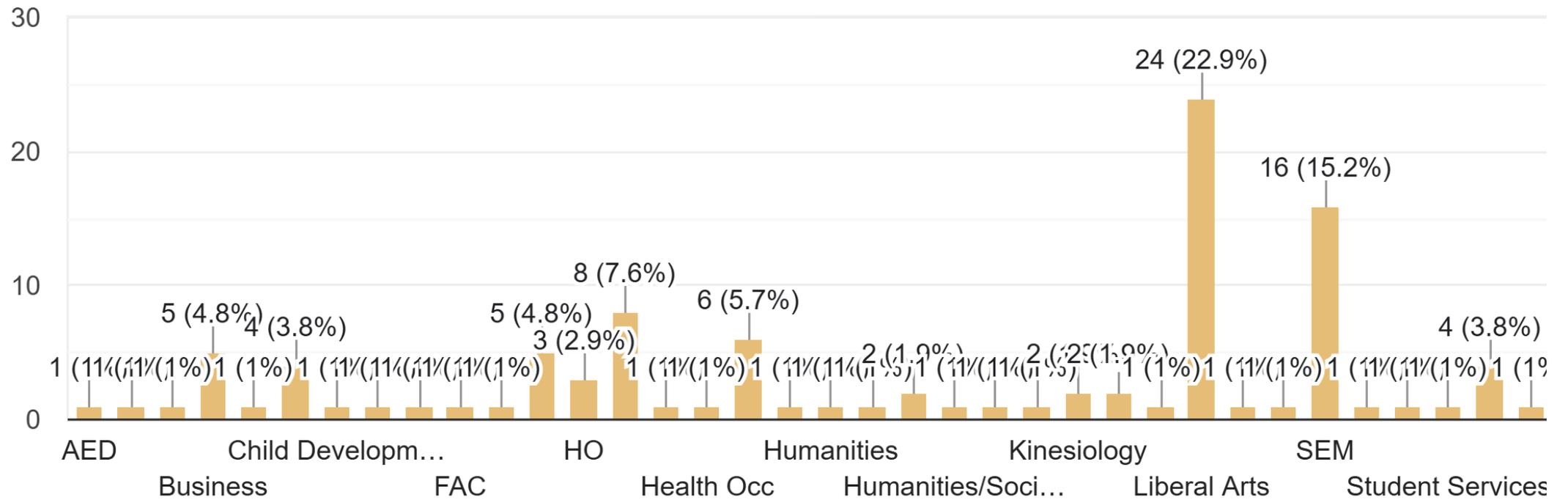
The presentation provides an in-depth qualitative review of faculty views on the impact of AI on their discipline, perspectives and concerns, and needs.

Survey Methods

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- 105 Full and Part-Time faculty at Cerritos College completed the AI Survey (approximately a 10% response rate).
 - The survey ran for two weeks in the Spring of 2025.
 - The survey was voluntary and administered through email
 - The survey was conducted by the Faculty Senate AI Task Force.
 - Thematic analysis of 234 written responses was conducted with Google Gemini and by the AI Task Force.

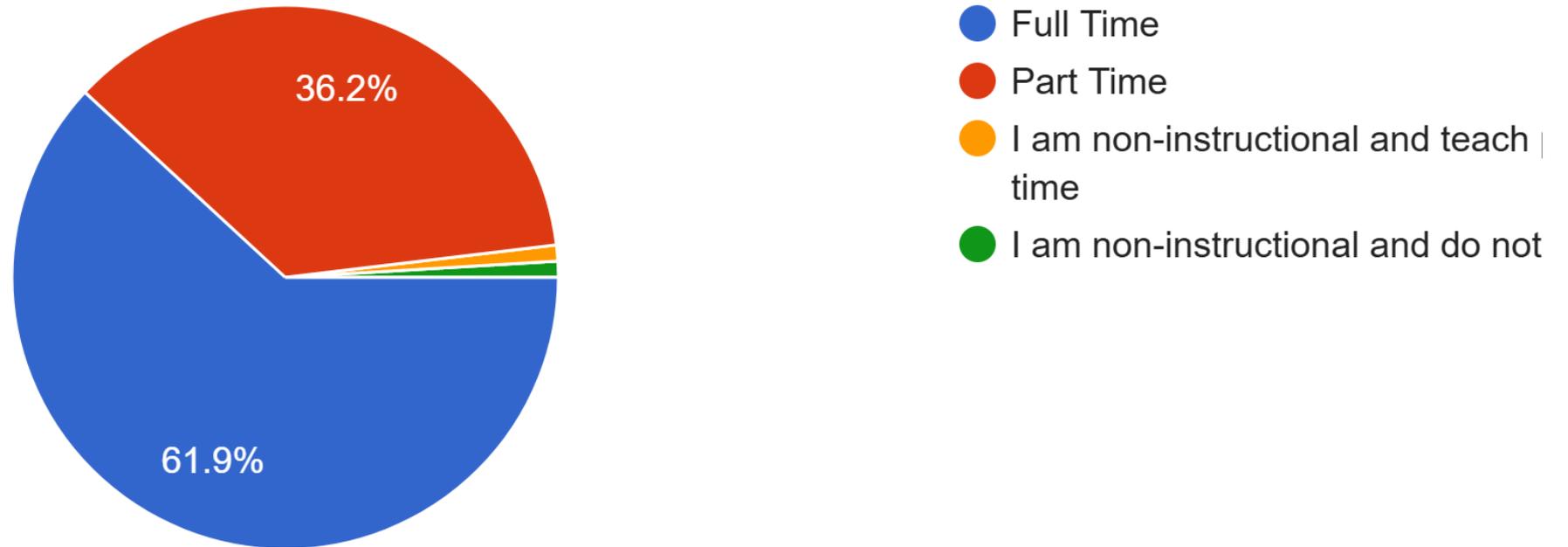
Please identify your division (if more than one, list all that apply)

105 responses



Do you teach...

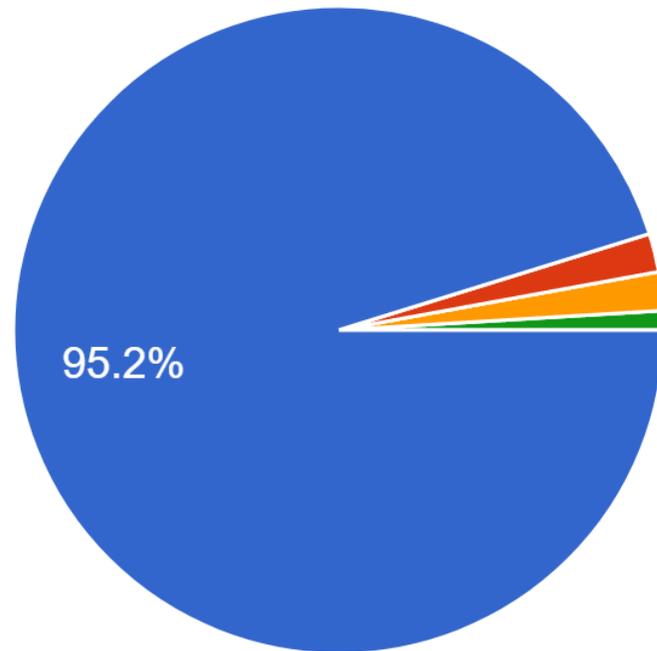
105 responses



- Full Time
 - Part Time
 - I am non-instructional and teach part time
 - I am non-instructional and do not
-

Please identify your primary role at Cerritos

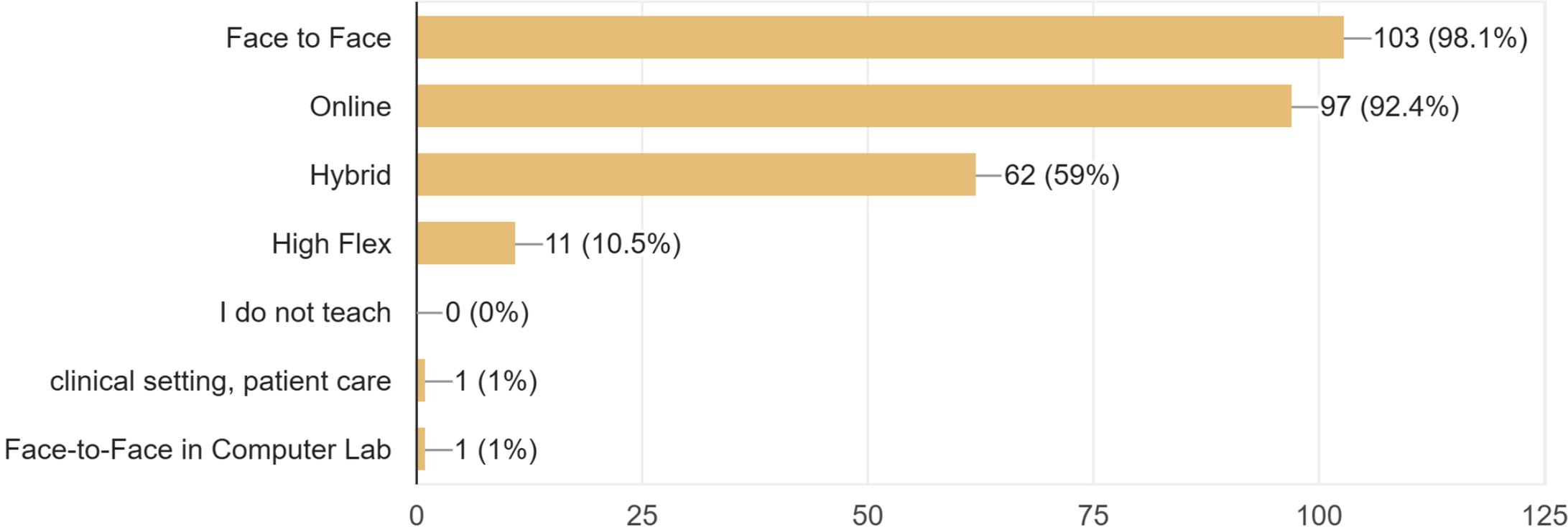
104 responses



- Instructional Faculty
- Counselor
- Librarian
- Counseling Faculty

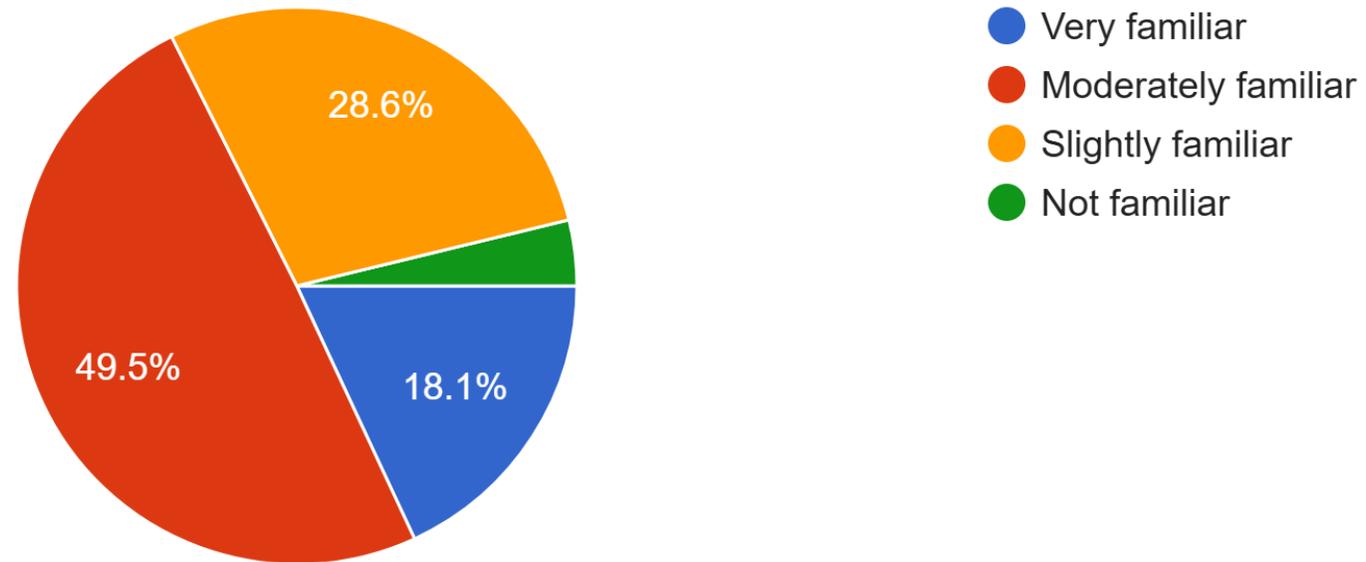
Experience with teaching modalities, choose all that currently apply:

105 responses

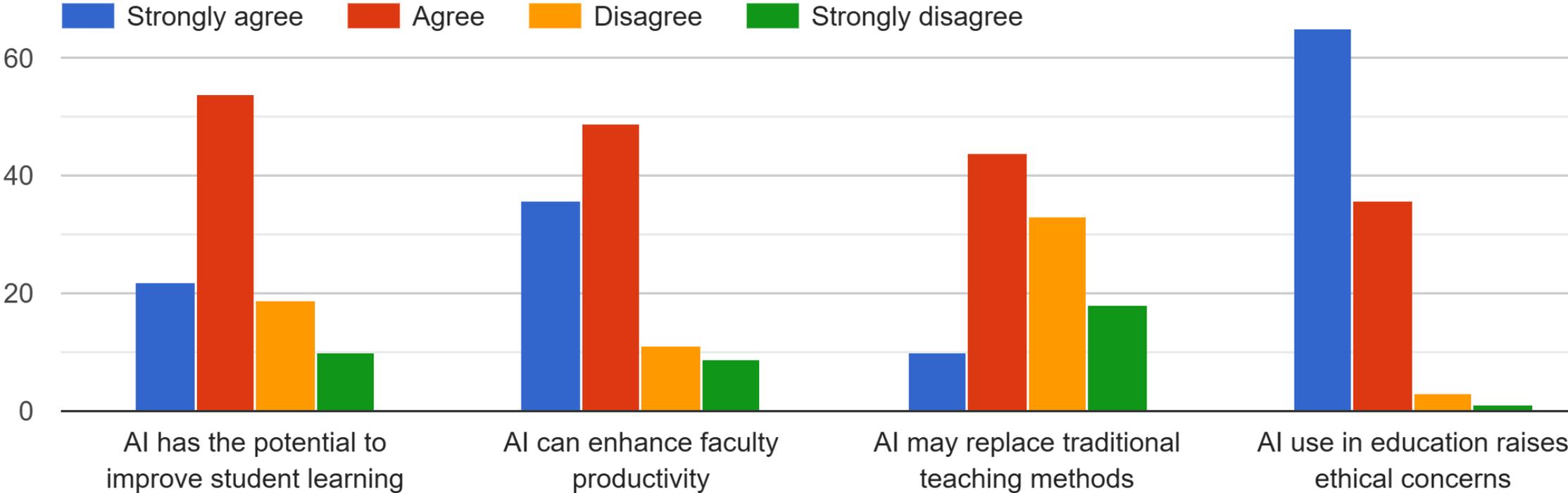


How familiar are you with AI tools relevant to education?

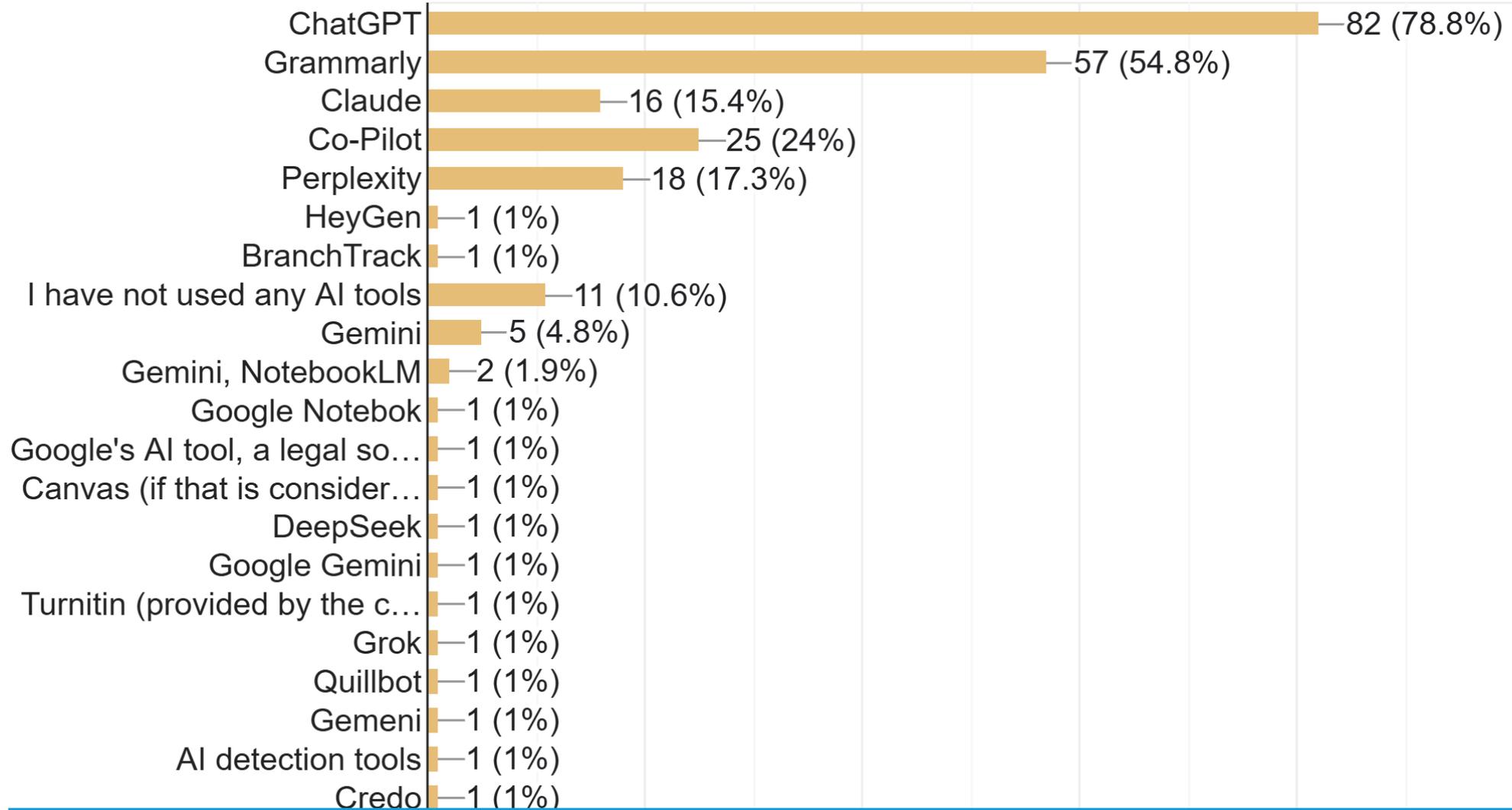
105 responses



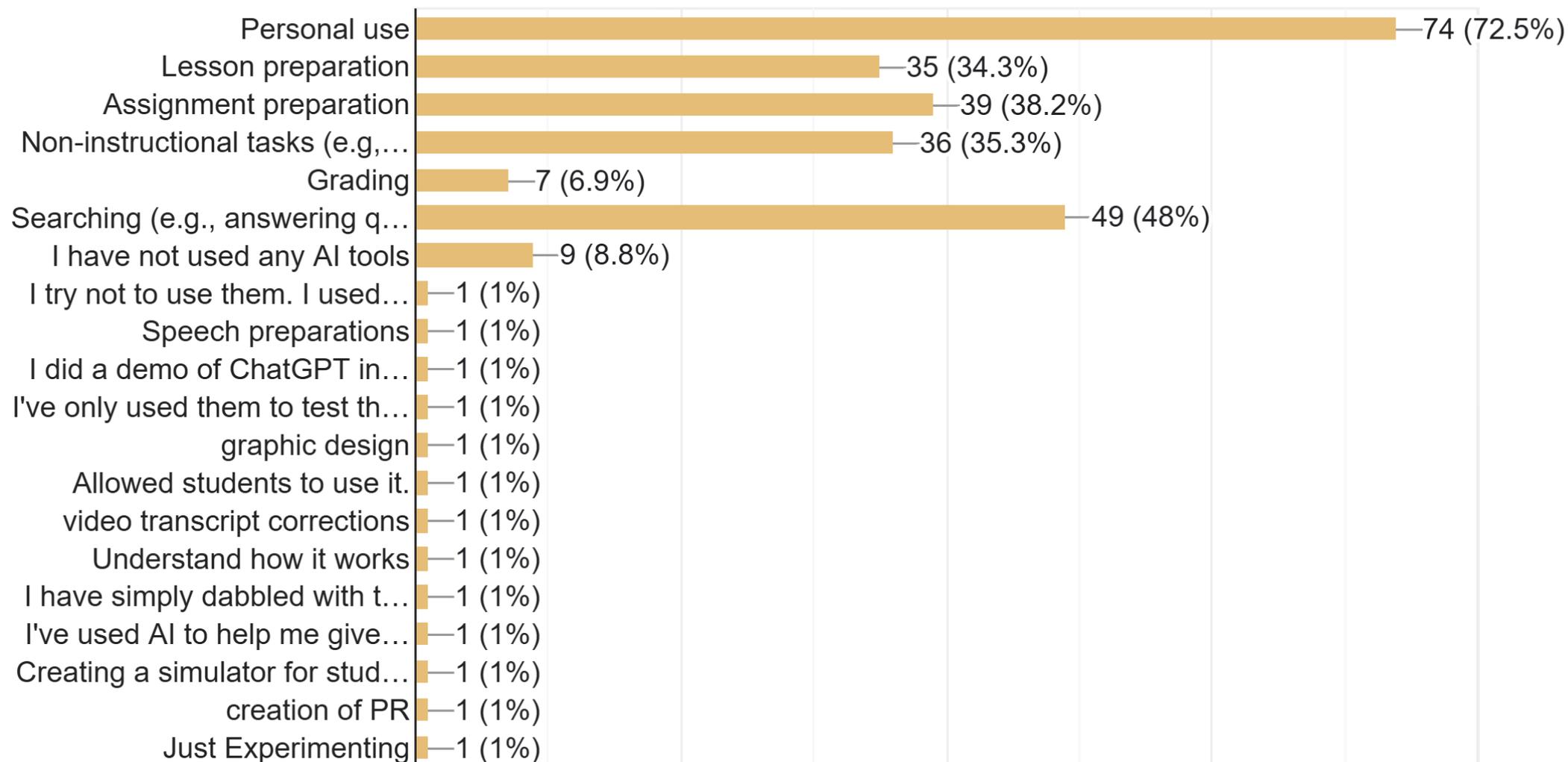
How do you feel about the increasing role of AI in higher education?



What AI Tools have you tried?

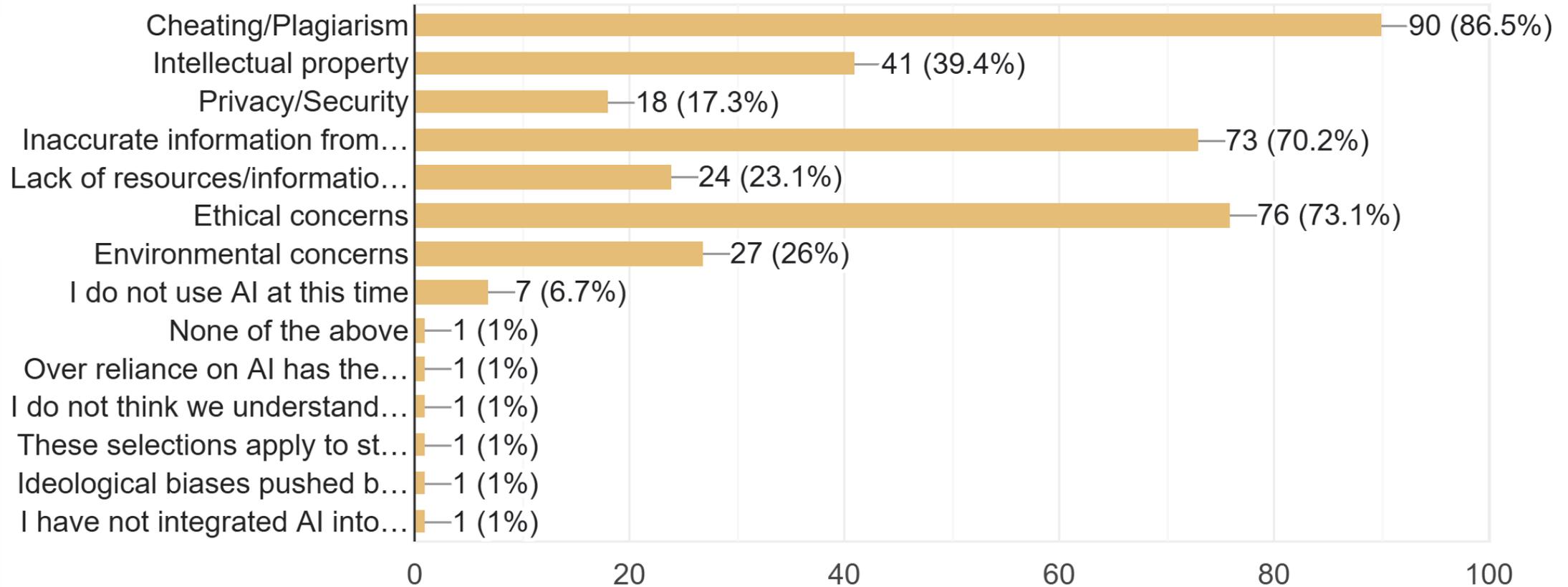


If yes, how have you used the tools?



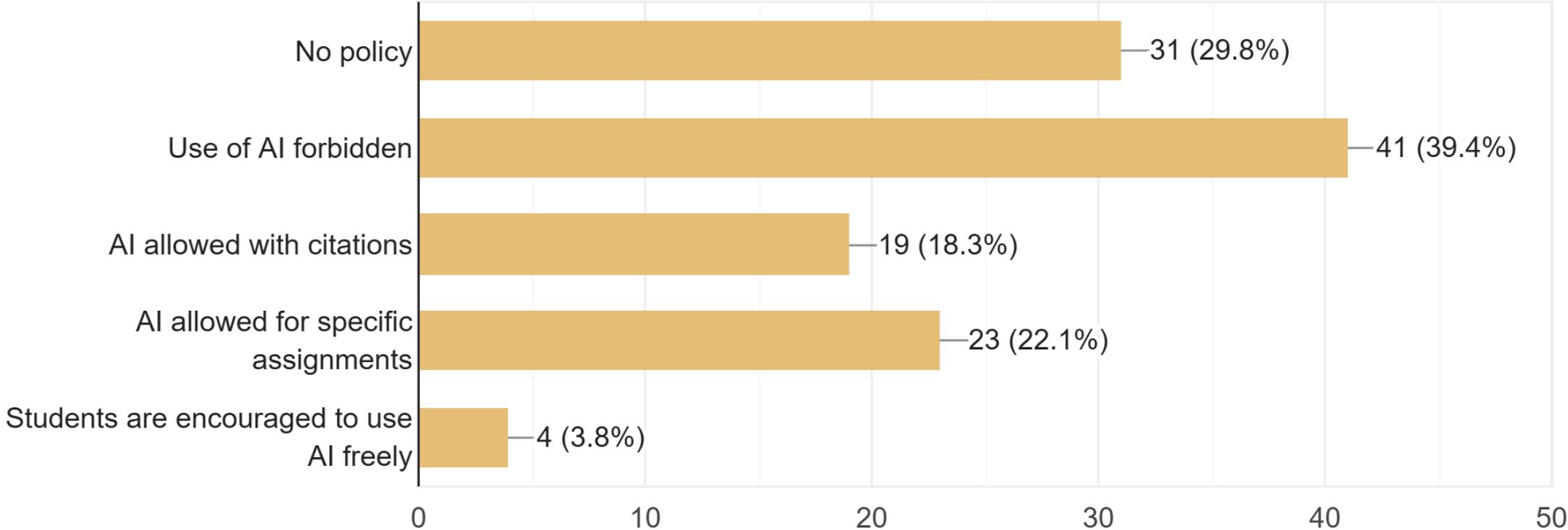
What challenges have you encountered with AI (select all that apply)

104 responses

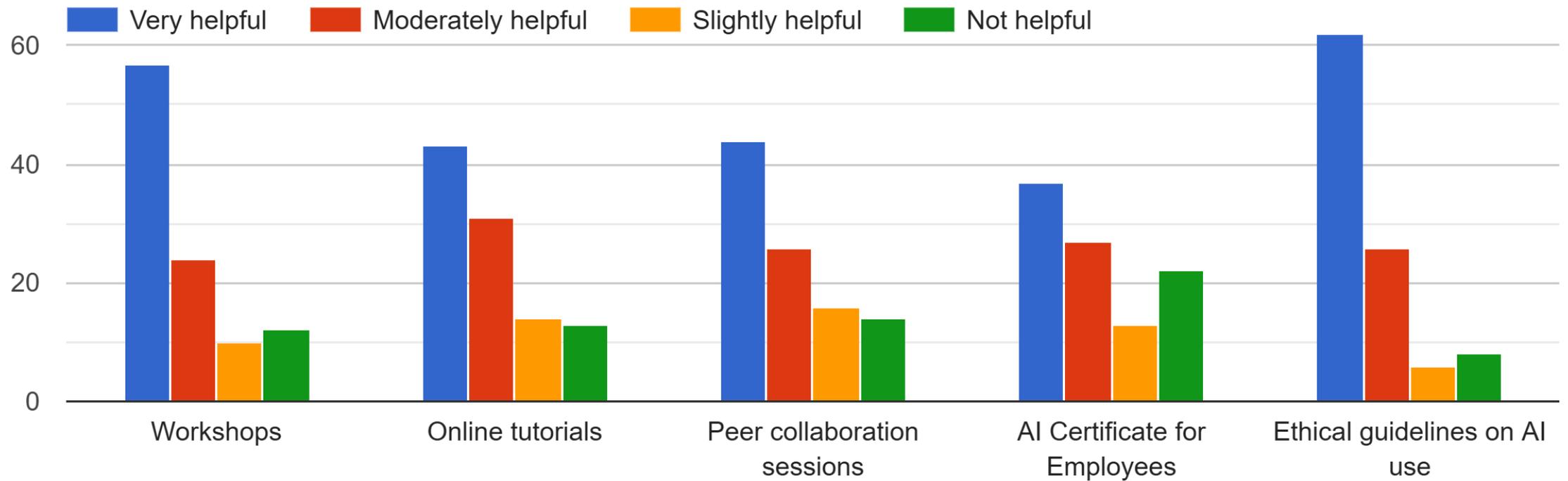


What is your current AI course policy (choose all that apply):

104 responses

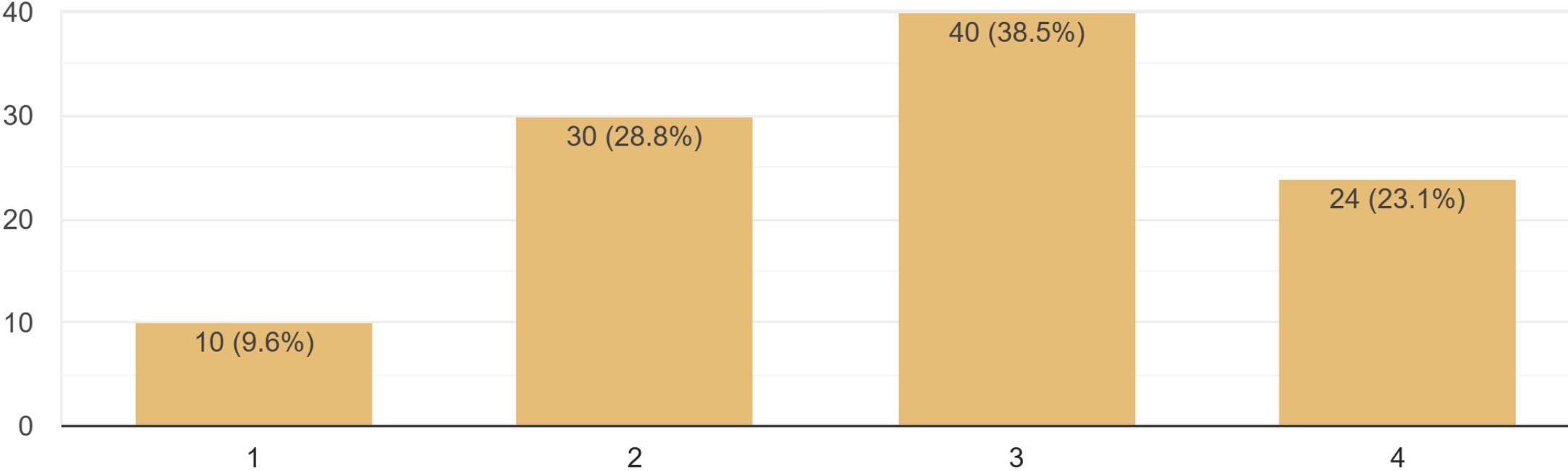


What types of AI-related training/resources would you find most helpful?



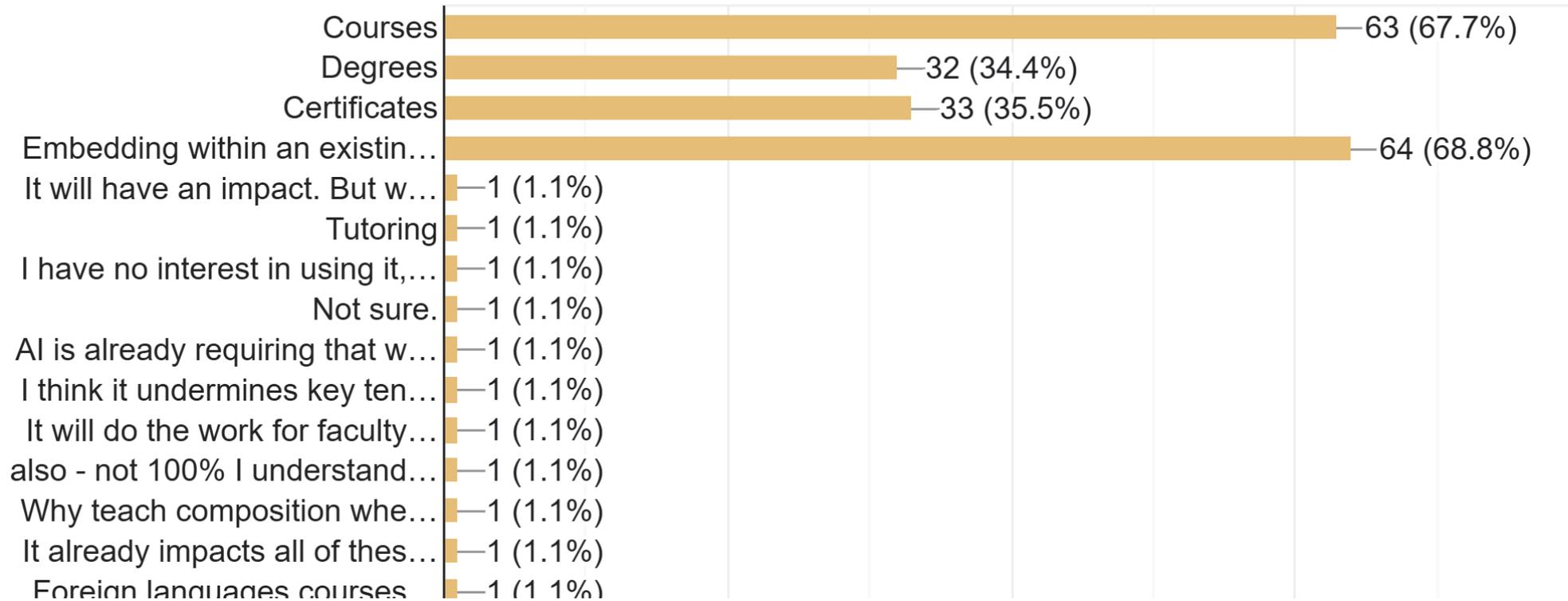
Do you feel the college provides sufficient support for faculty to understand and integrate AI tools?

104 responses



In what ways do you think artificial intelligence will impact new curriculum within your discipline (check all that apply)

93 responses



How do you think AI will impact your discipline and pedagogy?

- **Theme 1 Erosion of Core Skills:** A primary concern is that AI may hinder the development of critical thinking, reading, and writing abilities as students rely on it for quick answers.
- **Theme 2 Shifting Educator Roles:** Faculty anticipate a potential transformation from mentors to monitors of AI use, raising questions about their role in fostering genuine learning.
- **Theme 3 Assessment and Integrity Challenges:** Detecting AI-generated work poses a significant hurdle, requiring innovative approaches to assessment and a focus on academic honesty.
- **Theme 4 Potential for Enhancement and Ethical Use:** While AI offers possibilities for more efficient teaching and learning, its ethical integration and responsible application are crucial.
- **Theme 5 Discipline-Specific Impacts:** The influence of AI varies across fields, presenting unique opportunities and challenges tailored to the specific skills and knowledge of each discipline.
- **Theme 6 Importance of Critical Evaluation:** Educators stress the necessity of teaching students to analyze AI output thoughtfully rather than accepting it uncritically.
- **Theme 7 Broader Implications and Future Considerations:** The widespread adoption of AI in education and professions necessitates ongoing discussion about its long-term societal and professional consequences.

Deep Dive: How do you envision AI shaping and impacting the future of education at our institution?

Theme 1: Resistance and Caution Regarding AI Adoption

- Core Mission Concerns:** A significant number of faculty express a desire for the college to resist widespread AI adoption, emphasizing the importance of the institution's core mission and pedagogical basics. They fear that a rush to technology will overshadow fundamental teaching and learning principles.
- Devaluation of Human Interaction:** Many worry about the potential loss of meaningful student-faculty interaction, mentoring, and the unique benefits of learning from experienced human beings. They see the human connection as crucial to education, something AI cannot replicate.
- Erosion of Fundamental Skills:** Concerns are raised that over-reliance on AI will hinder the development of essential skills like writing, critical thinking, problem-solving, and independent work. Faculty fear students will become "co-dependent" and lose creativity.
- Industrialization of Education:** Some view AI as a tool for the "industrialization" of education, prioritizing efficiency and cost-effectiveness over the rigor of exploration, actual learning, and the humanizing aspects of education, and at the expense of faculty jobs.
- Environmental Concerns:** One respondent highlights the potential for AI to exacerbate environmental degradation, disproportionately impacting marginalized communities.

Deep Dive: How do you envision AI shaping and impacting the future of education at our institution?

Theme 2: Recognition of AI's Potential Benefits and Opportunities

- **Enhanced Efficiency and Time Management:** Some faculty see AI as a tool to improve time management for both themselves and students, potentially streamlining tasks like research and providing different perspectives.
- **Development of Interactive Materials:** AI is viewed as a potential aid in creating more engaging and interactive teaching materials.
- **Support for Research and Argumentation:** AI could assist with research, grammar and spelling checks, and suggesting ways to strengthen arguments.
- **Personalized Learning and Support:** There's an acknowledgment that AI could enable more personalized teaching approaches and potentially support diverse learners, including DSPE and EL students.
- **Workforce Preparation:** Some believe that teaching students to use AI effectively and ethically is crucial for preparing them for the modern workplace, viewing AI competency as a fundamental skill.

Deep Dive: How do you envision AI shaping and impacting the future of education at our institution?

Theme 3: Concerns about Academic Integrity and Assessment

- **Increased Academic Dishonesty:** A significant worry is the potential for AI to exacerbate academic dishonesty, particularly in un-proctored online assessments. Faculty anticipate students using AI to generate assignments.
- **Invalidation of Grades and Assessments:** There's concern that AI-generated work will render traditional grading and assessment methods meaningless, questioning the authenticity of student work.
- **Need for New Assessment Strategies:** Some faculty recognize the need to develop new ways to assess student understanding and critical thinking in an AI-integrated environment, potentially emphasizing in-class work and collaborations.

Deep Dive: How do you envision AI shaping and impacting the future of education at our institution?

Theme 4: The Inevitability of AI and the Need for Adaptation

- **AI is Here to Stay:** Several faculty acknowledge the inevitability of AI's presence and impact, emphasizing the need to adapt and find ways to integrate it appropriately.
- **Developing Guidelines and Ethical Frameworks:** There's a call for clear guidelines and ethical frameworks for AI use by both faculty and students.
- **Focus on Ethical and Effective Use:** The emphasis shifts to teaching students how to use AI in meaningful, helpful, and ethical ways, supplementing rather than replacing their learning.
- **Faculty Professional Development:** The need for increased professional development for faculty to understand and utilize AI effectively, as well as to detect misuse, is highlighted.

Deep Dive: How do you envision AI shaping and impacting the future of education at our institution?

Theme 5: Uncertainty and the Need for Further Discussion

- **Lack of Clarity:** Many faculty express uncertainty about the long-term impacts of AI and how best to integrate it.
- **Call for Robust Campus Conversation:** Some feel that there hasn't been enough open dialogue and consideration of multiple perspectives regarding AI adoption and its implications.
- **Disciplinary Variations:** The impact of AI is acknowledged to likely vary across different academic disciplines.

What type of support would faculty like to receive for understanding AI and integrating it into instruction?

- Theme 1: Demand for Professional Development and Training
- Theme 2: Need for Clear Guidelines, Policies, and Ethical Frameworks (college policies, etc)
- Theme 3: Focus on Practical Integration and Pedagogical Applications
- Theme 4: Support in Addressing Academic Dishonesty Related to AI (detection and intervention)
- Theme 5: Addressing Concerns and Providing Balanced Perspectives (ie: environmental, ethical, instructional)
- Theme 6: Resource Provision and Financial Support (request that the college provide professional development for all faculty)

Thank you

Please direct questions and comments to:

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