

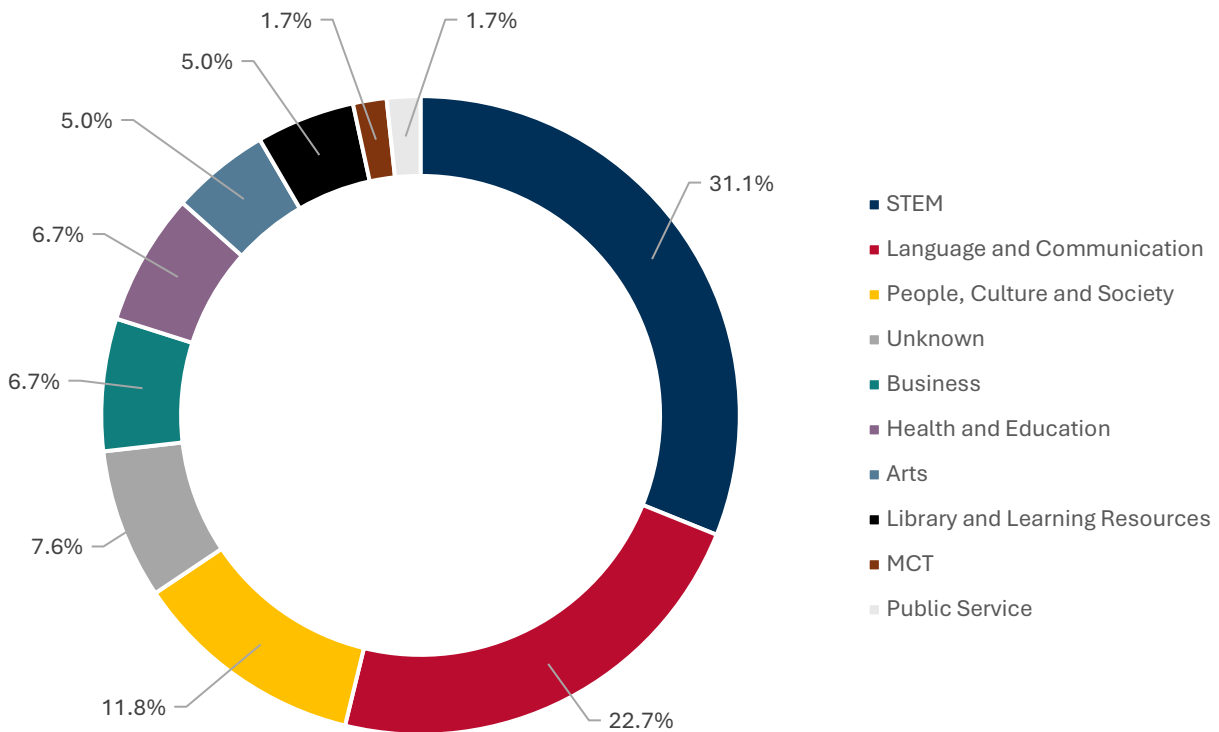


Quantitative Analysis of the AI Faculty Survey

On August 18th, 2025, American River College launched the AI Faculty Survey which consisted of 36 Likert scale questions, and 8 open-ended questions pertaining to faculty attitudes about the use of artificial intelligence. Themes of questions include General AI Topics, Faculty Use of AI and Student Use of AI—both approved and unsanctioned. The efforts of this survey were led by the AI resource panel in collaboration with The Office of Institutional Research. Below is the analysis of the AI Faculty Survey.

Distribution of Participants¹

(n = 119)



- Out of the 119 participants that responded to the AI Faculty survey
 - **STEM faculty** were ranked highest in the distribution at **31.1%**.
 - **Language and Communication faculty** were the 2nd highest in the distribution at **22.7%**.
 - **People Culture and Society faculty** were ranked third highest in the distribution at **11.8%**.

¹ Participants that did not complete a minimum of 20% of the survey were removed from the analyses.

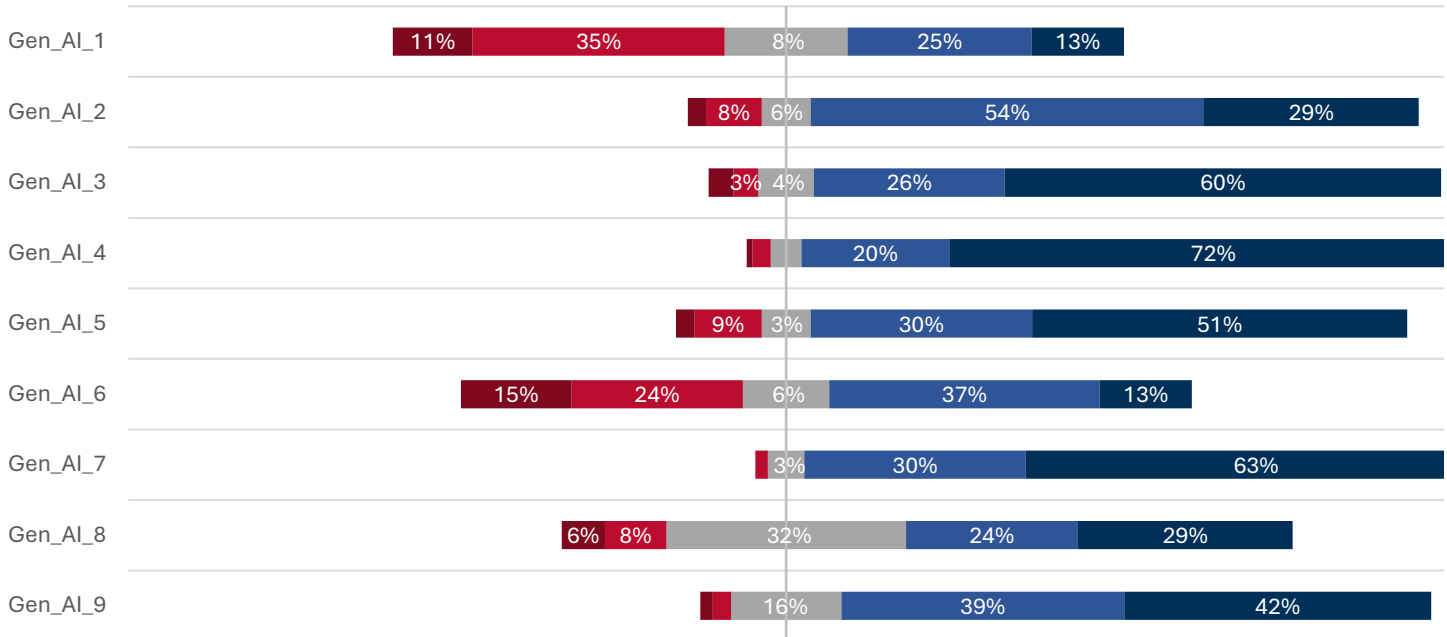
General Use of AI Question Key

GEN_AI_1	The benefits of AI integration into education outweigh the potential risks.
GEN_AI_2	It is possible for AI to be used in a responsible and ethical manner.
GEN_AI_3	ARC should invest resources in training faculty on effective AI use in education.
GEN_AI_4	ARC should provide clear institutional guidelines to navigate ethical issues related to AI in education.
GEN_AI_5	AI poses a significant risk to the development of our students' abilities for thinking, reasoning, and creativity.
GEN_AI_6	AI has the potential to significantly enhance our students' thinking, reasoning, and creativity
GEN_AI_7	AI tools will likely become an unavoidable component of education in the next five years.
GEN_AI_8	AI will have a greater negative impact on students from historically disproportionately impacted populations.
GEN_AI_9	The skills required for the job market will change significantly (due to AI) by the time our students graduate.

General Use of AI Question Results

(n = 119)

Strongly Disagree | Somewhat Disagree | I have no idea | Somewhat Agree | Strongly Agree



- **93%** of participants **somewhat or strongly agreed** that AI tools will likely become an unavoidable component of education in the next five years.
- In addition, **92%** of participants who answered Gen_AI_4 **somewhat or strongly agreed** that ARC should provide clear institutional guidelines to navigate ethical issues related to AI in education.
- However, more participants **disagreed** than **agreed** on the benefits of AI integration in education outweighing the potential risks.
- Participants also had **mixed feelings** on AI having the potential to significantly enhance our students' thinking, reasoning, and creativity.

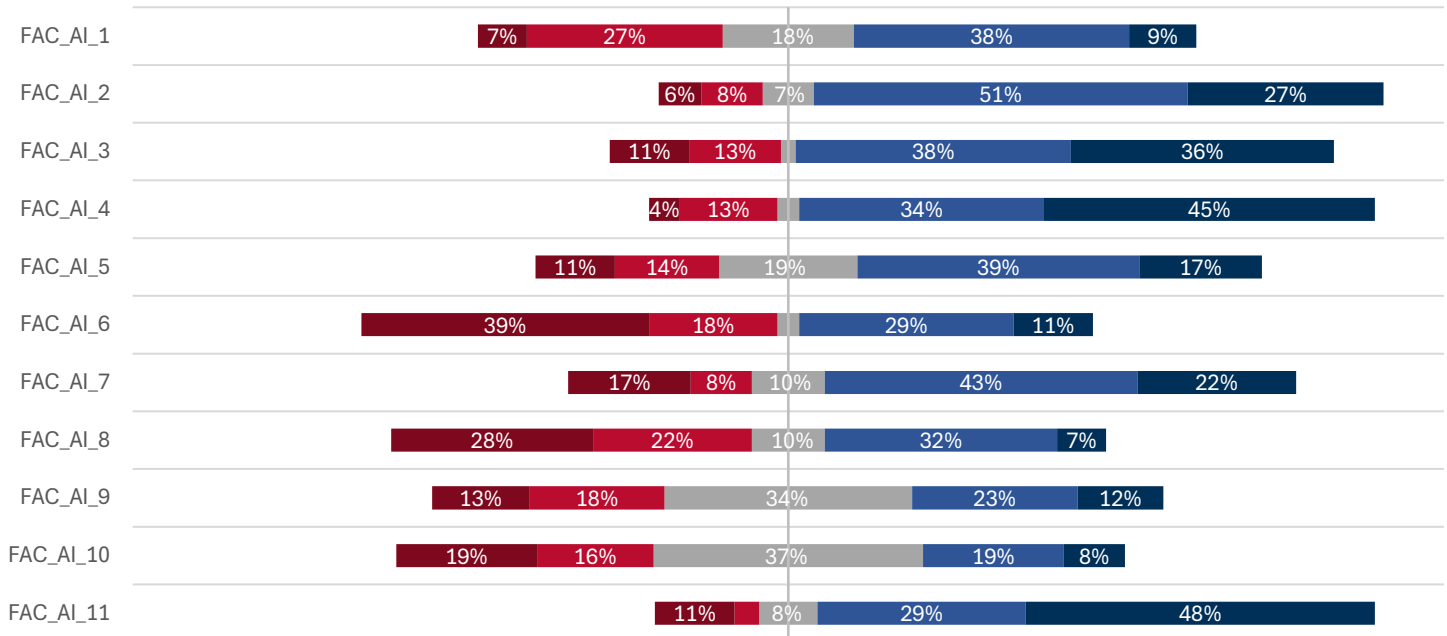
Faculty Use of AI Question Key

FAC_AI_1	I am knowledgeable about how AI has been implemented by faculty in educational settings.
FAC_AI_2	I am familiar with common Generative AI tools used in education (e.g., ChatGPT, Grammarly, Copilot, etc.).
FAC_AI_3	I would like more foundational training on what AI is and how it works.
FAC_AI_4	I actively seek out information about AI's impact on teaching and learning.
FAC_AI_5	AI has the potential to significantly improve my teaching effectiveness.
FAC_AI_6	I already use AI to prepare educational materials for my course.
FAC_AI_7	I would like to explore using AI to a greater extent in my course(s).
FAC_AI_8	I currently feel confident in my ability to implement AI tools in the course(s) I teach.
FAC_AI_9	Using AI in my class could adversely affect my relationship with my students.
FAC_AI_10	AI use in the classroom has the potential to help me better evaluate my students' understanding of the course material.
FAC_AI_11	I would be interested in workshops that would train/assist faculty with implementation of AI in their courses.

Faculty Use of AI Question results

(n = 119)

Strongly Disagree | Somewhat Disagree | I have no idea | Somewhat Agree | Strongly Agree



- **78%** of participants **somewhat or strongly agreed** to being familiar with common Generative AI tools used in education (e.g., ChatGPT and Copilot).
- However, when compared to the previous answers of General Use of AI prompts, participants **somewhat or strongly disagreed** more on Faculty Use of AI prompts.
- This can be most notably seen on FAC_AI_6, where **68%** of participants **disagreed** and **strongly disagreed** on already using AI to prepare educational materials for their courses.

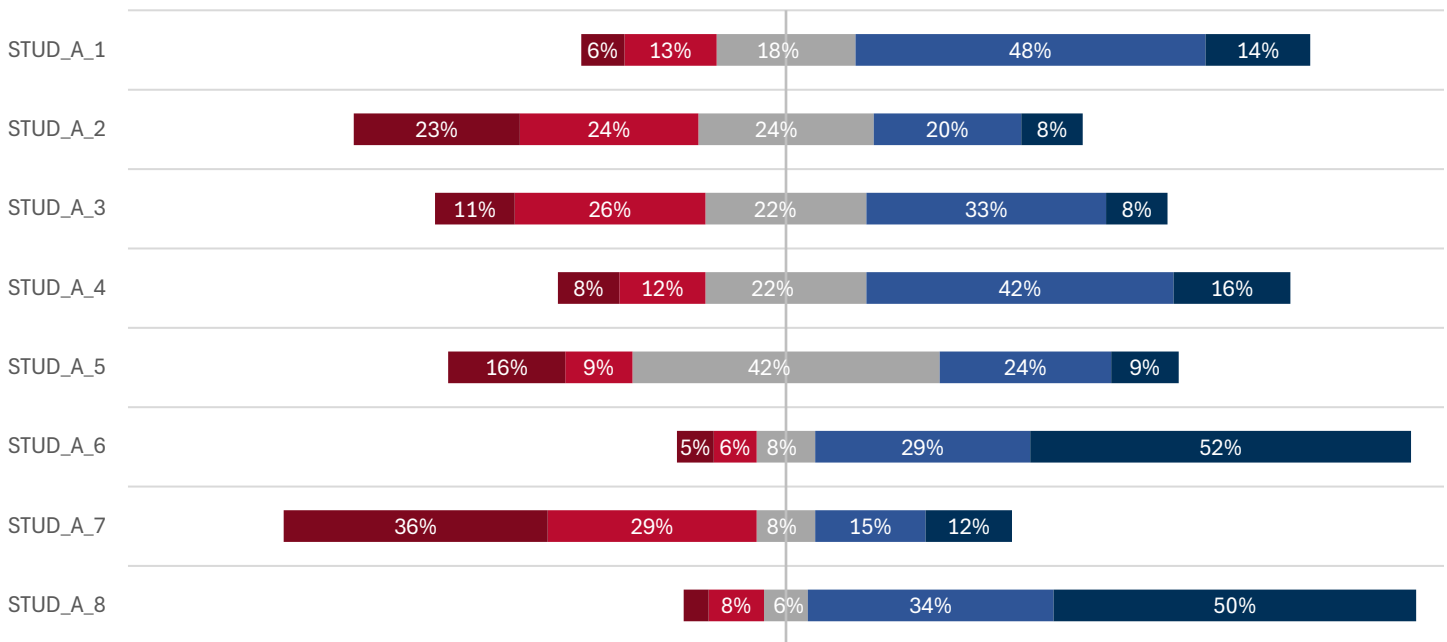
Student Use of AI (Permitted/Approved) Question Key

STUD_A_1	If used in a permitted/approved manner, AI holds the potential to significantly enhance student learning experiences.
STUD_A_2	AI can help students develop better critical thinking and problem-solving skills.
STUD_A_3	It would be possible for students to access the knowledge and benefits of AI without developing an overreliance upon it.
STUD_A_4	AI holds promise for helping/tutoring students by virtue of its attentive and individual interactions.
STUD_A_5	Students from historically disproportionately impacted populations would benefit from using approved forms of AI which, in turn, could help lessen the achievement gap.
STUD_A_6	I would support having policies at ARC which clearly define acceptable and encouraged uses of AI in student work.
STUD_A_7	I have no intention of permitting the use of AI in any courses I teach.
STUD_A_8	ARC should provide workshops/training for students who want to learn how to use AI and/or enhance their skills with the various uses of this technology.

Student Use of AI (Permitted/Approved) Question Results

(n = 119)

Strongly Disagree | Somewhat Disagree | I have no idea | Somewhat Agree | Strongly Agree



- In comparison to all other sections of the survey, participants were most **unsure** on Student Use of AI.
- As seen in STUD_A_5, **42%** of participants that answered this question had **no idea** if students from historically disproportionately impacted populations would benefit from using approved forms of AI.
- **65%** of participants **somewhat or strongly disagreed** on having no intention of permitting the use of AI in any courses they taught, signifying a shift into incorporating AI into their future courses.
- **84%** of participants **somewhat or strongly agreed** that ARC should provide workshops and training for students who want to learn how to use AI and/or enhance their skills with the various uses of this technology.

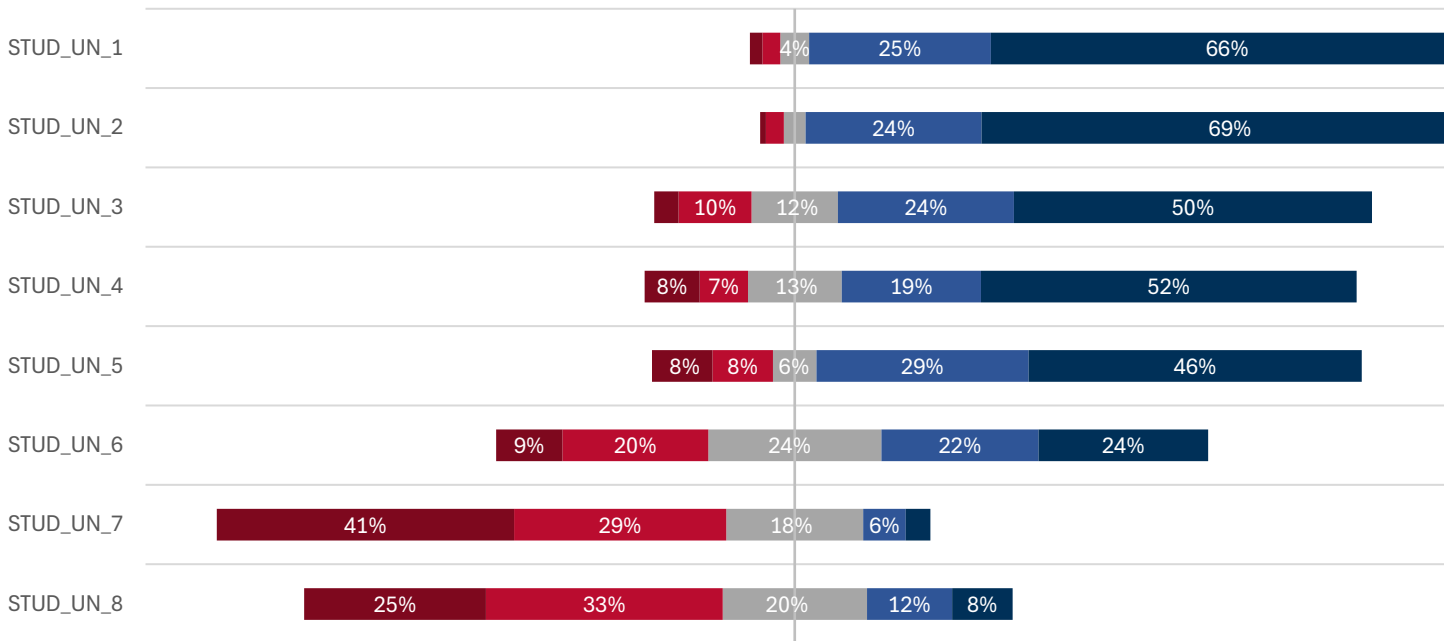
Student Use of AI (Unsanctioned/Unauthorized) Question Key

STUD_UN_1	I am concerned that students may use AI to cheat or complete assignments dishonestly.
STUD_UN_2	Unauthorized use of AI by students makes it difficult to accurately assess their knowledge.
STUD_UN_3	The unauthorized use of AI has the potential to undermine my ability to effectively teach my assigned courses.
STUD_UN_4	The unauthorized use of AI has already become an issue in the course(s) I teach.
STUD_UN_5	I have already had to change my assessment methods due to unauthorized AI use.
STUD_UN_6	The potential for academic dishonesty due to AI use outweighs its potential educational benefits.
STUD_UN_7	Existing tools for detecting AI-generated student work are sufficient to manage academic integrity.
STUD_UN_8	AI will not make academic dishonesty more prevalent because those students who already want to engage in cheating will simply find another way.

Student Use of AI (Unsanctioned/Unauthorized) Question results

(n = 119)

Strongly Disagree | Somewhat Disagree | I have no idea | Somewhat Agree | Strongly Agree



- Attitudes on unsanctioned and unauthorized student use of AI were overwhelmingly negative.
- **93%** of participants **somewhat or strongly agreed** on concerns that students may use AI to cheat or complete assignments dishonestly.
- **91%** of participants **somewhat or strongly agreed** that unauthorized use of AI by students makes it difficult to accurately assess their knowledge.
- **70%** of participants **somewhat or strongly disagreed** that existing tools for detecting AI-generated student work are sufficient to manage academic integrity.



Key Takeaways from the AI Faculty Survey

- Faculty were mixed regarding their attitudes on whether the benefits of AI integration outweigh the potential risks (slightly negative vs positive).
- Faculty expressed a strong desire for resources, training, and clear institutional guidelines regarding AI use.
- Faculty expressed strong concerns about how AI poses a significant risk to student's abilities for thinking, reasoning, and creativity, while acknowledging that the skills required for the job market will change significantly (due to AI) by the time our students graduate.
- Faculty were mixed in their current levels of AI knowledge and application in the classroom but were generally interested in learning more about implementing AI in their teaching and courses.
- Faculty felt most unsure about how AI can benefit student learning, including for students from historically disproportionately impacted populations.
- Faculty attitudes on unsanctioned and unauthorized student use of AI were overwhelmingly negative, with strong concerns expressed about academic dishonesty and the inability of current AI detection tools to manage academic integrity.

Survey Analysis conducted by The Office of Institutional Research, 11/10/2025