## Is there a role for AI in durable skills development?: An investigation of student perception

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## Background:

We aim to understand how AI might impact the development of durable skills in college. A concern is that using generative AI, like ChatGPT, may hinder the development of critical thinking, problem-solving, research, and analytical skills, potentially affecting both academic and workplace success (Kasneci et al., 2023; Sok & Heng, 2023; Sullivan et al., 2023). As such, we also wanted to know how students perceive the value of these durable skills.

Methods	Results	Takeaways for Faculty
Recruitment: Students were recruited via LS professors during the 2023-2024	Digital Proficiency Gap: High familiarity with ChatGPT but a noted gap in fundamental digital skills and awareness of any other Al tools.	Early days: The impact of AI, like its perceived value to students and potential for skill transference is still being realized.
academic year.  Procedure:	Perceived advantages: Wording, time-saving, clarity,	Back to basics:  May need to focus on strengthening students' fundamental digital skills in general alongside newer applications like generative AI.
Students participated anonymously online,	learning, idea generation.	Not universal yet:
focusing on perceptions of generative AI and transferable skills.	Perceived disadvantages: Not learning, extra work to check reliability, difficult to use, bias,	Recognize diverse levels of AI use and perception of value among students.
Participants:	privacy/ethics.	Increase awareness: Highlight when students practice durable skills, especially with AI.
61 survey responses collected.	Varied Attitudes: Lack of consensus about the value of	Leverage skepticism:
	Al for durable skills and in education generally. Some expressed enthusiasm towards Al while others	Use students' skepticism of AI reliability to enhance durable skills like critical thinking and information literacy.
	were critical of its impacts.	UDL: Use UDL principles to thoughtfully integrate or address AI, durable skills.

## References

Kasneci, E., Seßler, K., Küchemann, S., Bannert, M., Dementieva, D., Fischer, F., Gasser, U., Groh, G., Günnemann, S., Hüllermeier, E., Krusche, S., Kutyniok, G., Michaeli, T., & Nerdel, C. (2023). Learning and individual differences, 103, 102274. https://doi.org/10.1016/j.lindif.2023.102274