

Learner-Centric Ethical AI Evaluation Framework (Vivian Tzu-I Chiang)

WH	Category	Excellent	Good	Average	Poor	Fail
WHY	Reflection on Learning Objectives	Consistently reflects on alignment with learning objectives and continuously evaluates AI collaboration advantages and missed learning opportunities .	Reflects on alignment with learning objectives and evaluates AI collaboration advantages and missed learning opportunities.	Limited reflection on learning objectives alignment and AI collaboration benefits.	Uses AI tool that ends up contradicting or distracting from learning objectives.	Ignores learning goals; uses AI tool for unrelated purposes or merely as a means to complete tasks without meaningful reflection.
WHY	Optimization of Creativity and Efficiency	Consistently reflects on AI tool features, assessing their use in inspiring creativity (e.g., AI providing starting points or generating novel ideas for human refinement) and optimizing efficiency (e.g., automating repetitive tasks, summarizing data, providing feedback for iterative improvements).	Reflects on AI tool features, considering their potential to inspire creativity (e.g., AI providing starting points or generating novel ideas for human refinement) and optimizing efficiency (e.g., automating tasks, summarizing data, providing feedback for iterative improvements).	Utilizes AI tool features with a minimal reflection on the potential of these features to maximize creativity (e.g., AI providing starting points or generating novel ideas for human refinement) and efficiency (e.g., automating tasks, summarizing data, providing feedback for iterative improvements).	Uses AI tool features without a clear reflection on the potential of these features to maximize creativity (e.g., AI providing starting points or generating novel ideas for human refinement) and efficiency (e.g., automating tasks, summarizing data, providing feedback for iterative improvements).	Fails to reflect on AI tool features and their relevance to creativity (e.g., AI providing starting points or generating novel ideas for human refinement) and efficiency (e.g., automating tasks, summarizing data, providing feedback for iterative improvements).
HOW	Accuracy Verification	Cross-checks information from AI tool with trusted sources and provides proper citations .	Checks information from AI tool for consistency and includes citations.	Relies solely on AI tool without verifying accuracy or providing citations.	Accepts inaccurate information from AI tool without question or proper citations.	Does not verify accuracy or provide citations; accepts all information as accurate.
HOW	Data Privacy Protection	Regularly reviews privacy policies of AI tools and avoids inputting personal or identifiable information, demonstrating an understanding of the importance of data privacy .	Uses AI tools with clear data protection policies and avoids inputting personal information. Demonstrates some understanding of the importance of data privacy.	Uses AI tools without understanding data privacy implications and may input personal information.	Shares personal data without considering privacy risks or input personal information.	Uses AI tools without regard for personal data protection and consistently inputs personal information.
WHO	Engagement Maintenance	Actively participates in interactive features of AI tool and collaborates with AI for tasks rather than relying solely on AI	Engages with available interactive elements in AI tool and involves AI in tasks as a co-worker	Passively uses AI tool without exploring interactive features or collaborating with AI	Gets easily distracted or disengaged during AI tool use, accepting AI outputs without actively contributing or engaging in the process.	Shows no interest or engagement with AI tool and allows AI to do all the work without involvement
SO WHAT?	AI Literacy Development	Consistently increases AI literacy skills such as prompt fine-tuning, hallucination spotting, fact-checking techniques, etc.	Shows proficiency in basic AI literacy skills such as prompt fine-tuning, hallucination spotting, fact-checking techniques, etc.	Develops some AI literacy skills but lacks depth or consistency	Struggles with basic AI literacy skills and understanding	Lacks AI literacy skills or understanding and passively accepts all AI outputs without critical evaluation or understanding.
SO WHAT?	Ethical Use Advocacy	Proactively identifies and addresses ethical concerns or biases observed in AI tools, leading discussions and advocating for ethical AI use. Openly acknowledges and learns from mistakes , actively seeking areas of improvement and implementing corrective actions. Actively mentors and guides others in using AI ethically, contributing significantly to ethical awareness within their community or organization. Shows a consistent and impactful commitment to promoting ethical AI practices and fostering a culture of responsibility and transparency.	Raises ethical concerns or biases observed in AI tools and engages in discussions about unethical AI use. Is willing to acknowledge and address personal mistakes and areas for improvement. Offers assistance and guidance to others on using AI ethically and contributes to ethical awareness within their immediate context (e.g., classroom, team).	Occasionally reports ethical concerns or biases observed in AI tools but may not consistently engage in discussions about unethical AI use. Shows some willingness to acknowledge mistakes and areas for improvement. Provides occasional assistance to others on using AI ethically but lacks consistent contributions to ethical awareness efforts.	Rarely reports ethical concerns or biases observed in AI tools and seldom engages in discussions about unethical AI use. Shows reluctance or hesitancy in acknowledging mistakes and areas for improvement. Offers minimal assistance to others on using AI ethically, with infrequent contributions to ethical awareness efforts.	Does not report ethical concerns or biases observed in AI tools and avoids discussions about unethical AI use. Does not acknowledge or address personal mistakes and areas for improvement. Does not provide assistance to others on using AI ethically and makes no effort to contribute to ethical awareness in any capacity.