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AI Literacies Framework ©DS

- Knowledge
- Use
- Critical Analysis
- Creation

go.niu.edu/ai-literacies-framework (Adapted from Hibbert, Altman, Shippen, & Wright, 2024)

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Knowledge

- Define key concepts and terms related to artificial intelligence, such as "artificial intelligence," "machine learning," "large language model," and "neural network".
- Recognize the benefits and limitations of AI tools, including applications in daily life and ethical considerations, such as privacy and data security.
- Identify and explain the differences between various types of AI, as defined by their capabilities and computational mechanisms.

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Use

- Successfully utilize generative AI tools for desired outputs.
- Use AI tools in ways that take the important roles of humans into account (e.g., building upon, strengthening, enhancing and extending human skills and capacities, and freeing up humans to focus on the bigger picture).
- Experiment with prompting techniques and iterate on prompt language to improve AI-generated output.
- Critically review AI-generated content with an eye toward potential "hallucinations," incorrect reasoning, and bias.

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Critical Analysis

- Integrate AI concepts with knowledge from specific fields of study or professional interests.
- Examine the potential environmental, human, and societal impacts of AI.
- Critique AI tools and offer arguments in support of or against their creation, use, and application.
- Analyze ethical considerations in the development and use of AI, including issues of fairness, accountability, and transparency.

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Creation

- Synthesize learning to conceptualize or create new ideas, technologies, or structures that relate to AI.
- Reaching this level could include the following:
 - Conceive of novel uses for AI.
 - Build software that leverages AI tech.
 - Propose and explore theories related to AI and its future potential.

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NIU's Contribution to the Model

- Demonstrates adaptability of Barnard College Model
- NIU Model de-emphasizes the linear model by allowing learners to engage at any level
- NIU Model emphasizes ethical integration & habits of critical reflection, accountability, and creativity

Barnard College model (Hibbert, Altman, Shippen, Wright, 2024)

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Rollout

- Published in Task Force final report
- Posted in the NIU AI Toolkit – citl.niu.edu/ai-toolkit
- Introduced in the NIU AI Network

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Ongoing Implementation

- Provide **resources and tools** to develop AI literacy, including an AI Literacy microcredential
- Embed **AI literacy in curriculum** through established curricular processes
- Compile a **library of use cases**, including syllabi, assessments, activities, and personal development plans
- Connect AI literacy to **general education curriculum** and outcomes by aligning to general education assessment practice
- **Align training for faculty and staff** to the AI literacy framework

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Questions?



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