

Evaluating AI Applications: Questions & Considerations

RESPONSIBLE AI CHECKLIST | 6 AREAS TO COVER



With the unprecedented surge in AI solutions for education, it's vital to consider the following factors to ensure that this new technology aligns with educational goals and benefits both students and educators and also incorporates the required guardrails for safety, ethics, and long-term sustainability.

Here are some questions to keep in mind when considering AI-based tech:

1 Data Privacy and Security

- How is student data collected, stored, processed, and protected?
- How are the security risks of data movement between transactional systems, AI models, and end-user applications mitigated?
- Describe data governance and security policies of the AI applications.
- How is the AI application compliant with data protection regulations including FERPA?
- How is student and district data used to train AI models?
- What guardrails are in place to ensure district data is not exposed across the internet for model training?
- What protections are in place against adversarial attacks?

2 Model Performance and Accuracy

- What mechanisms are in place to detect, address, and eliminate model hallucinations (when false, nonsensical, or not real information is generated)?
- How do you ensure models are able to detect the relevant patterns in unseen data?
- Describe the evaluation metrics used in optimizing model performance.
- How are the generic models made relevant to the district-specific use cases?
- How does the application allow users to provide feedback?

3 Bias and Fairness

- What mechanisms are in place to detect, address, and eliminate bias?
- What procedures are used to ensure the results presented are appropriate for students, staff, and parents?

4 Interpretability and Explainability

- How are end-users able to understand what the models are doing?
- What controls are in place for users to override the AI tool's recommendations?

5 Scalability and Sustainability

- What mechanisms are in place to ensure consistent model performance and accuracy levels with larger data sets, distribution changes, and new information?
- Describe how the application will support data volume, user traffic, and complexity at scale.
- What mechanisms are in place to optimize resource usage at scale?
- Describe monitoring and observability mechanisms of the application.
- Describe the disaster recovery plan in case of system failures.
- Describe model maintenance procedures.

6 Interoperability and Training

- Describe integration with existing applications, databases, and user workflows.
- How is seamless end-user experience achieved?
- How are users trained on the application and informed about the correct use of AI?



Learn how AI can empower educators to personalize education, helping students to learn in a way that's right for them.

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