

AI AND K-12 DATA: The Responsible Approach

Why Bringing AI to Your Data Ensures a Secure, Responsible Approach

AI is only as powerful as the data it has access to. Using AI with your student and school data can yield impactful results. However, the old approach of exporting data from multiple sources to an AI platform exposes that data to **unnecessary security risks.**

Bringing AI to your data is a more **modern, secure and responsible approach.**

84%
increase in education cyberattacks from 2022-2023¹

80%
of U.S. schools suffered ransomware attacks in 2022, making education the No. 1 target²

60%
of educators identified “connecting data across systems” as a top 2023 district education technology priority³

Data & Security by the Numbers

Risks of Pushing Your Data to an AI Platform

Existing AI methods pull your data from numerous disparate sources, exporting that data separately to an AI platform—or farming out data to a 3rd-party AI provider. **These risky methods put your data at risk of privacy and security threats.**

Outcomes of pushing your data to an AI Platform:

Security Risks

Puts sensitive personally identifiable information (PII) at risk of breaches and cyberattacks

Lack of Control

Lose control and transparency, potentially at the expense of security and privacy

Disparate Data Sources

Your SIS, LMS, assessment, and special education programs operate independently and in different formats

Time-Consuming

The tedious task of your staff manually going into multiple data systems to export information takes valuable IT time

Potential Missing Data and Redundancies

Continual manual data exports leave you liable for missing critical data, which is essential for AI to give you an accurate picture of student progress; storing the same data in multiple locations

Uncertainty on Data Governance Regulations

With multiple data sources, potential of not meeting FERPA and other data governance regulations lies with each source

Benefits of Bringing AI to Your Data

A Data as a Service (DaaS) platform securely houses all your data in one data lake and can have AI tools on top of it, **so your data is not being exported or exposed to risk.**

Features of a secure DaaS platform with AI:

Secure Data

Secure, efficient data-sharing architecture eliminates legacy methods of sharing data that pose security risks and volume constraints

Minimized Risk of Unauthorized Access

With data secure in a DaaS data lake, you can better control access to only those who need the data

Consolidate District and State Data

Bringing your data together in one secure data lake enables seamless implementation of AI and LLMs (large language models) and the use of AI/ML tools to build features, train models, and deploy AI into production

Efficient Interoperability and Performance

Optimize processing of complete data at scale—an essential function of AI/ML models for schools

Empowering and Responsible

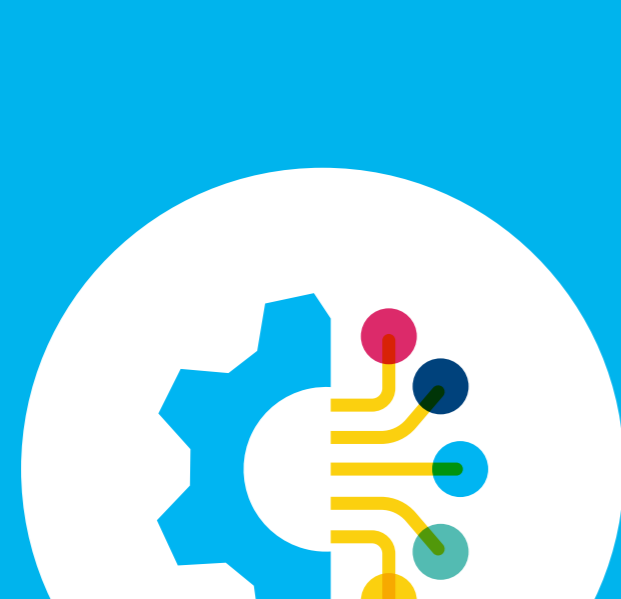
Districts can implement effective personalized education by providing contextually relevant information that enables users to act right away, such as using student proficiencies to generate content recommendations that support stronger competency

Adhering to FERPA Data Governance Regulations

Potential for AI-driven observability with 24x7x365 support and data governance that meets FERPA requirements

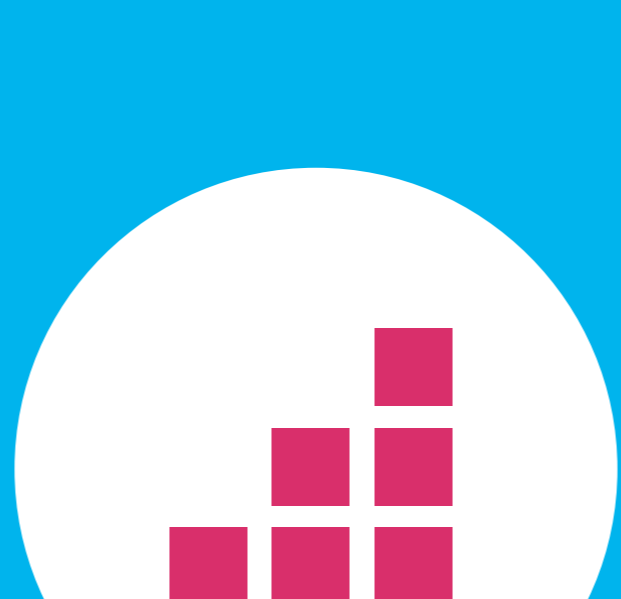
AI Capabilities with Connected Intelligence K-12

Connected Intelligence K-12, education’s first DaaS platform, securely houses all your data and provides AI/ML workflows on top of that data.



AI/ML Tools

Securely analyze data, build AI applications, and create custom AI models



Build Features & Train Models

Deploy without having to move/copy data outside its governance boundary



Secure, Managed Infrastructure with GPUs

Manage and scale containerized models and fine-tune open-source LLMs

PowerSchool’s Responsible AI with Security by Design

- Human-centered
- Built with Fairness and Bias Elimination
- Stringent Data Governance, Privacy, and Security
- Digital Equity and Accessibility
- Ethical Use



The Need for DaaS in K-12

Download the eBook to learn how to remove the burden of data storage, management, processing, and operations with a fully managed, secure platform that brings AI to your data.

Get Your Copy



Sources

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2. <https://assets.sophos.com/X24WTUEQ/at/j74v496cfwh4qsvqhs4pmw/sophos-state-of-ransomware-education-2023-wp.pdf>
3. <https://www.powerschool.com/whitepaper/2023-education-focus-report/>