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*by* B J

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**Data Security and Protecting Student Privacy**

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### **Data Security and Protecting Student Privacy**

Many innovative educational breakthroughs have occurred in the recent decade. For example, Xu et al. (2019) suggest that educators have created new instructional models that personalize education to each student's unique requirements, talents, and interests, accelerating and deepening student learning. This personalization has necessitated using technology to assist instructors in tracking student achievement, communicating with families, and assisting students in interacting with online information and collaborating. However, there is little doubt that protecting the privacy and security of this student data is a crucial problem that must be addressed as part of the transition to a more individualized education system. Therefore, the main objective of data security is safeguarding the data that an organization gathers, possesses, advances, receives, or shares, which in this scenario is protecting student privacy.

On the contrary, data security and protecting student privacy might change for the better since schools respond positively to technology adoption in learning. However, there is still work to solve the privacy and accessibility issues that hampered too many children's educational possibilities during the remote study (Stickland, 2019). Similarly, with the education officials addressing the current privacy and security problems that represent the biggest threats to children, online learning has become a permanent element of the curriculum, thus promising better data security and protecting student privacy.

### References

Stickland, R. (2019). *The State Student Privacy Report Card: Grading the States on Protecting Student Data Privacy*. Network for Public Education.

Xu, G., Li, H., Ren, H., Yang, K., & Deng, R. H. (2019). *Data Security Issues In Deep Learning: Attacks, Countermeasures, And Opportunities*. *IEEE Communications Magazine*, 57(11), 116-122.

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