Technology, Education–Connections (The TEC Series): Assessing the Educational Data Movement

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Summary

For better or worse, many educational decisions that were once handled on a personal level by teachers or administrators now increasingly rely upon data and information. To be successful in this era, educators need to understand this broad sociotechnical revolution and how it is realigning traditional roles and responsibilities.

In Assessing the Educational Data Movement, the author draws on his unique background in learning sciences, education policy and information systems to provide valuable insights for both policy and practice. The text discusses many current topics including technology-rich models of teacher evaluation, big data and analytics, longitudinal data systems, open educational resources, blended and personalised learning models, and new designs for teaching.

This comprehensive book:

- examines the social and historical context of the educational data movement as it unfolds across educational levels.
- synthesises different research traditions from inside and outside of education.
- assesses the successes, challenges and potential of data analytics.
- helps educators and innovators design technology-rich solutions for greater student success.
- discusses the catalytic role that foundations have played in making education a more informational and evidence-based practice.

Supporting Resources

- I Have the Data… Now What?: Analyzing Data and Making Instructional Changes (EYE2363)
- Essentials for Principals: Data-Based Decision Making, Third Edition (SOT3351)
- Translating Data into Information to Improve Teaching and Learning (EYE7168)
- The Data Coach’s Guide to Improving Learning for All Students: Unleashing the Power of Collaborative Inquiry (CO7007)