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# Learning, Schooling, and Data Analytics

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The full chapter is available from the Center on Innovations  
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<http://www.centeril.org/handbook/>

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## **Action Principles**

Note: Each principle is elaborated upon within the full chapter, which can be downloaded as noted above.

### **Action Principles for Schools**

- Provide formative data to teachers on student learning.
- Predict which students are at risk for dropping out.
- Identify learning topics that are being learned less well within school.
- Capture and respond to changes in student engagement.

### **Action Principles for Local Education Agencies**

- Identify specific areas of excellence and high success in teaching practice.
- Identify students who could benefit from enrichment programs.
- Develop internal expertise in learning analytics.
- Develop data management and sharing plans to support partnerships with university researchers in line with legal obligations.

### **Action Principles for State Education Agencies**

- Capture data about students according to broad-based range of indicators.
- Form practices for aligning student data even in the face of mobility.
- Identify exemplary teachers and schools.
- Identify regional gaps in enrichment programs.