

Data and Analytics: Assessment and Roadmap



Take action when and where it matters most to drive the best outcomes for every student

Highlights

- Unlock greater value from your data
 - Use data to inform practices and resource selections
 - Inform decision making with data
 - Address critical information needs
 - Generate Action-Driving Insight
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Over the past few year, two significant developments have made data one of the main topics of conversation in school districts.

First, senior administrators realize that data and advanced analytics are the new digital currency and that your data ecosystem has the potential to be the enabler for your district's priorities.

Second, with recent advances in technology, data analytics has become "democratized" and principals and district administrators can now use these tools to do their own research and create their own reports. The days when data analysis was the responsibility of IT who laboured endlessly to provide reports to Senior Administration are slowly fading away.

Having Data is not the Issue

Getting the right data at the right time in the right format is.

But most districts are overwhelmed with the sheer amount of data that exists. School districts possess a wealth of data ranging from examples of student work, to data in individual teacher mark books to district level administrative information to Provincial standardized test results.

Understanding what data sets are available and what data sets are needed to provide insight is a significant challenge faced by school districts. Bad data or lack of usable data does not allow for good analysis. Some data sets are helpful in moving the district ahead, other data sets are merely a distraction.

Planning is Key to Effective Data Analytics

To help you understand the useful data that you have, IBM K-12 Data Consultants will perform an assessment of your current access to, and use of, data and develop a vision and roadmap for how the district can build and prepare for better use and access to data and advanced analytics.

Maturity Curve for Using Data Effectively in K-12



Solution Offering:

Through discussion and interviews with Senior Administration and your subject matter experts, we will discuss and articulate the district's objectives and goals for the engagement, the district's vision for data analytics and identify your major data challenges. Next, we will identify the top three challenges that the district would like to address using data analytics and select one as the use case that will be the focal point for the engagement.

Use Case Analysis and Solution Design is comprised of:

- Understanding the data that is currently captured to address the use case and the workflows associated with this data capture
- Identifying the optimal workflow to address the use case
- Designing a high-level solution, including the future state architecture required by this optimal workflow, to support the use case
- Constructing a high-level roadmap to implement the solution and identifying opportunities to leverage what is discovered or learned from the use case for a district effective data strategy

Methodology

The IBM team over a four-week period, will conduct meetings, discussions and focus groups that will be scheduled on-site over two to three consecutive days. Additional work will then be conducted off-site, that may include WebEx meetings as needed, to create the roadmap reflecting common and best practices that are emerging in K-12. A half-day, on-site session will be scheduled with appropriate Executive Leadership members to present and refine the roadmap prior to delivering the final version of the report to the district.

Typical Length of Engagement: 4 weeks

Why IBM?

Each day, professionals throughout the education ecosystem make progress toward a better future. At IBM K-12 Education, we help you remove obstacles, optimize efforts and reveal new insights to support the people you serve. Working across the landscape, from district administrators, principals, teachers and students, we bring together deep education expertise; proven innovation; and the power of data analytics to enable you to uncover, connect and act — as you work to solve education challenges in Canadian school districts.

For more information

To learn more about IBM K-12 Data Analytics: Assessment and Roadmap, please contact your IBM Marketing Representative.

For more information on all our IBM K-12 Consulting and Professional Services, visit:

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