A Practical Guide to Analyzing Data

Approaching your data by asking specific questions and using a Data Analysis Protocol helps you stay objective, focuses your analysis, and gives you a place to start when looking at data. It saves you time and allows you to create a plan for immediate action in your classroom.

Use the questions below and the protocol on the next page to examine your data and plan your instruction.

Directions

1. **Select a question from the table below** that best aligns to your needs after you've completed an assessment.
2. **Complete the Data Analysis Protocol on the next page** using the question you've selected.

Questions

- How are my students performing as an entire class and what are their domain-specific instructional needs?
- What are the suggested growth measures for each of my students?

Have *i-Ready*? Use the Diagnostic Results (Class) report to get answers.

- How can I group my students and plan my instruction to best meet their needs?

Have *i-Ready*? Use the Instructional Groupings report to get answers.

- How do I understand an individual student's learning needs?
- How did the student perform overall, within each domain, and what are other important data points (e.g., Lexile® measures/Quantile® measures, Growth Measures, Norms)?

Have *i-Ready*? Use the Diagnostic Results (Student) report to get answers.

- How is my class overall and each student progressing toward their growth measures?
- Which students could benefit from additional support between now and the end of the year?

Have *i-Ready*? Use the Diagnostic Growth (Class) report to get answers.

- How is an individual student progressing toward their growth measures?
- How long will it take an individual student to reach proficiency?

Have *i-Ready*? Use the Diagnostic Growth (Student) report to get answers.

Tips

- Keep an open mind and maintain objectivity while analyzing data.
- Write your observations and note any additional questions or inferences.
- Consider other data sources to help you answer additional questions.
- Create your action plan, revisit it, and continue to routinely analyze data.
- Collaborate with fellow teachers.

Want to learn more about how *i-Ready*'s clear, actionable reports are helping teachers and administrators make better instructional decisions? Visit: CurriculumAssociates.com/success

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Data Analysis Protocol

Part 1: Understand Your Data

Ask
Formulate a question you want to answer from your data and choose the report that will provide this data. Generate the report and review.

Get Data & Observe
Write down or share observations.

Infer & Question
Interpret the data by making inferences about what the data means. Note additional questions worth exploring and consider additional data sources and resources.

Part 2: Make Data-Driven Instructional Decisions

Focus
Which student(s) will be the focus? What is the area of need (domain, skill, or sub-skill) for this student or group of students?

Reflect
What instructional or intervention strategies have been used? What was the effect of these strategies?

Brainstorm Solutions
Using instructional resources you have available, what are some possible solutions?

Take Action
When and what instruction or intervention will happen? When and how will you review you actions for impact/ effectiveness?