



# Assessment Consulting & Development Services

QUANTILE® FRAMEWORK FOR MATHEMATICS

When you partner with MetaMetrics®, you benefit from our 35 years in education research and our extensive team of psychometricians, data scientists and researchers. As the trusted developer of a scientifically valid, widely accepted mathematics metric, we leverage our expertise for your company's success. And success is what you'll experience when you deliver fast, easy-to-understand Quantile® measures for students that your customers can use to improve learning.

## By Reporting Quantile Measures...

### YOU CAN:

- Attract and retain customers who seek or expect an objective, independent mathematics measure.
- Target and personalize learning within a product by matching students with math materials at their ability.
- Meet the needs of state departments of education and school districts that are reporting Quantile measures from their high-stakes state assessments.
- Leverage our other products to provide your customers with additional insights about learners' abilities, instruction, potential for growth and college/career paths. (Please see back page.)

### YOUR CUSTOMERS CAN:

- Be assured that your product is working for them by showing student academic improvement over time.
- Group students and target instruction with level-appropriate materials.
- Communicate among educators, parents and students using an easily understood metric.

## How It Works

We work closely with you to develop an assessment solution that produces Quantile student measures in one of two ways:

1

**Link tests.** We can perform a linking study to correlate your assessment's scale score to the Quantile scale so that Quantile measures can be reported.

2

**Build tests.** We can build new assessments for you with either custom items or validated test items that you lease from us.



“By providing Lexile and Quantile measures we are able to personalize learning for every child and ensure they graduate prepared for success.”

— Superintendent Molly Spearman  
SOUTH CAROLINA DEPARTMENT OF EDUCATION



## Set Your Product Apart With These Additional Enhancements

Offer your customers the ability to not only report a Quantile measure, but to use complementary technologies. Help learners achieve their goals by providing unique insights about their ability level and potential for growth.

### FORECAST STUDENT MATH PERFORMANCE

Plan instruction by forecasting student performance in math toward college and career readiness with the **Quantile® Forecasting API** (Application Programming Interface).

### COMPARE STUDENT TEST RESULTS TO STATE PROFICIENCY STANDARDS

See how Quantile measures align with state proficiency standards for those states whose assessments are linked with the Quantile Framework and use the **Quantile® State Standards Database**.

### ANALYZE STUDENT MATH ABILITY FOR COLLEGE & CAREER READINESS

Analyze students' math ability in relationship to college and career readiness for over 400 careers with the **Quantile® Career Database**. Data include education requirements, typical salary ranges and market demand. Quantile measures are the only metrics available to compare and describe the math demands of specific jobs.

### COMPARE STUDENT TEST RESULTS TO NATIONAL NORMS

Give meaning to student test scores by comparing them to the scores of their peers. The **Quantile® National User Norms** are based on millions of students who took assessments that report Quantile measures. With the norms, educators can compare student test results to national normative percentile rankings.

We also offer these add-on enhancements, as well as test development services, for reading (**Lexile® Framework**) assessments and products.

## Combine Enhancements to Help Make Sense of Students' Scores

These add-ons can bring context to test scores that help frame students' scores related to the milestones and goals that students, educators and parents care about.



## Contact Us

Raising K-12 student math achievement is important to your customers, so let's talk about how Quantile measures can help put students on the path to success for school, college and career. For more information on MetaMetrics' consulting and development services, please contact:



**Trilby Berger**  
Senior Vice President, Strategic Partnerships  
tberger@Lexile.com | 919.547.3427



METAMETRICSINC.COM