

SAS® EVAAS® for K-12

Overview

America's educators are expected to continually do more with less, facing budget shortfalls and stagnant wages. At the same time, there is urgency to lower dropout rates, improve student achievement, and increase the number of students prepared for college and the workforce.

Educators have a wealth of practices to address these concerns, but how can educators know whether they are being effective and providing more life choices for students?

How SAS® Can Help

SAS works with education partners to provide a number of powerful tools to build upon effective practices and meet the needs of individual students. As the most comprehensive reporting package of student growth metrics available in the educational market, SAS EVAAS for K-12 provides valuable diagnostic information about past practices and reports on students' predicted success probabilities at numerous academic milestones.

SAS EVAAS for K-12 has evolved to provide the following reporting:

- **Student growth metrics** - reflectively identify strengths and opportunities for improvement, grade-to-grade and subject-to-subject, for districts, schools and teachers.
- **Individual student-level projections** - proactively predict student success probabilities at numerous academic milestones, including upcoming grade level proficiency, high school graduation requirements and various college success indicators, such as Advanced Placement exams, the PSAT, SAT and ACT.
- **Custom scatter plots** - interactive scatter plots allow users to visualize the impact of various progress metrics and the students who are served. For example, student achievement or growth can be compared to a variety of socioeconomic, demographic and programmatic variables to ensure that all subgroups

experience optimum educational outcomes. With this powerful feature, users select the variables to plot, then drill down to detailed performance information.

- **Diagnostic reports** - identify which students are at risk for underachievement by viewing the incoming levels of academic preparedness of students and the growth patterns within classrooms, grade and subject areas.
- **Customized reports** - provide flexibility to display information in a variety of forms, such as district, school and college readiness dashboards, and custom student list reports.
- **Export function** - let authorized users export results for independent use and research.
- **Student-teacher linkages** - connect and verify students with teachers having various amounts of instructional responsibility.

Why SAS?

At SAS, we collaborate openly with our client partners to:

- Implement a variety of growth and value-added models to drive school improvements through the evaluation of programs, practices and curricula.
- Deliver dozens of reflective, proactive, diagnostic and custom reporting tools in a secure web application.
- Offer a wealth of training supports to target professional development for teachers and personalize education plans for students.
- Provide technical consulting to policymakers developing accountability and evaluation programs.

Evaluating education effectiveness requires a fair, objective measure of the impact of districts, schools and teachers on the rate of academic progress of their students. And providing student-level projections to future academic milestones requires a holistic analysis, beyond a single test score. SAS EVAAS for K-12 addresses these issues when analyzing student data:

- Students with missing data.
- Measurement error that presents itself around any one given test score.
- Assessments on differing scales.
- Testing regimes that change over time.
- Mobility of students and teachers.

Experience

The SAS EVAAS team is composed of former educators, professional statisticians, policy analysts and web specialists with more than 20 years of experience delivering value-added modeling in a production environment. Our team has guided client partners through changes in their mandated testing so that the analyses could accommodate the historical testing as well as the new testing scales. Additionally, client partners have the opportunity to benefit from EVAAS analyses even without their own longitudinal data systems.

Validation

The reliability of SAS EVAAS reporting has been reviewed and confirmed by prominent experts, including four US Department of Education peer review committees, the US Government Accountability Office, RAND Corp. and WestEd.

Training and Support

SAS EVAAS provides self-paced learning videos, detailed Help files and instructor-led training. As a hosted solution, support and training are provided by SAS - the leader in advanced analytics.

Education Client Partners

SAS provides statewide EVAAS reporting to every district, public school and charter school in:

- North Carolina.
- Ohio.
- Pennsylvania.
- South Carolina.
- Tennessee.

SAS EVAAS for K-12 reporting is also used by large, medium and small districts and schools in other states, including Arkansas, California, Delaware, Georgia, Indiana, Texas and Virginia.

Hosted Environment

With this SAS-hosted solution, gain significant savings through quick deployment, low overhead and minimal hardware and staffing requirements. Data is sent to SAS to be extracted, transformed and loaded into the system. Reports are delivered through a secure web application in as little as four to six weeks upon receipt of clean and usable data.

Advantages

SAS growth models are the most robust and reliable on the market. Armed with SAS EVAAS technology, policymakers can focus their resources on the appropriate and effective interventions that benefit every student and ensure their education dollars are spent wisely. As the leading solution for teaching effectiveness measures and statewide implementations, SAS EVAAS for K-12 allows educators to determine whether all students have plentiful choices and increased opportunities for learning.

About SAS

Beginning with a research project more than 35 years ago at North Carolina State University, SAS has remained committed to serving the education industry by delivering on-site and hosted software solutions and strategic services that spark innovation and expand educational opportunities. SAS delivers the latest technology in SAS software and solutions to more than 3,000 educational institutions worldwide.