

SAS[®] EVAAS[®] for K-12

Education in the US faces many significant challenges. The current budget shortfalls are forcing governments to consider significant cuts, which include education. 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?

SAS works with education partners to provide a number of powerful reports necessary to build upon effective practices and meet the needs of individual students. As the most comprehensive reporting package of value-added 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:

- **Value-added metric** – reflectively identifies strengths and opportunities for improvement, grade-to-grade and subject-to-subject, for districts, schools and teachers.
- **Individual student-level projections** – proactively predicts 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 scatterplots** – interactive scatterplots 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 and demographic variables to ensure that all subgroups experience optimum educational outcomes. With this powerful feature, users select the x and y axes' variables to plot. They then drill down to detailed performance information at the district, school and teacher level for further analysis.
- **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.
- **Customized reports** – flexibility to display information in a variety of forms, such as district and school AYP dashboards, college readiness dashboards, and custom student list reports.
- **Export function** – results can be exported by authorized users 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:

- Develop, produce and support value-added models to drive continuous improvement of school systems through the evaluation of differentiated instruction practices, intervention strategies and curriculum implementation.
- Enable targeted professional development planning for teachers and educational planning for students.
- Facilitate human-capital decision making to recruit, retain, evaluate and adequately compensate educators.
- Enhance the quality of existing data structures and systems for longitudinal uses.
- Provide technical expertise to policymakers developing accountability and evaluation programs.

Evaluating educators' 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 assessments requires accuracy beyond a single test score.

SAS EVAAS for K-12 can address the following 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 almost 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 and RAND Corp.

Education Client Partners

SAS provides statewide EVAAS reporting to every district, public school and charter school in North Carolina, Ohio, Pennsylvania and Tennessee.

SAS EVAAS for K-12 reporting is also used by large, medium and small districts and schools in many other states, including:

- California
- Colorado
- Connecticut
- Delaware
- Louisiana
- Georgia
- Missouri
- New Jersey
- New York
- South Carolina
- Texas
- Virginia
- Wyoming

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 browser in as little as four to six weeks upon receipt of clean and usable data.

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.

SAS software's multivariate, longitudinal modeling is the most robust and reliable available 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-premise 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.



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