SAS® EVAAS

Value-Added Reporting for Low Achieving Students

Summary

Value-added reporting representing students with the lowest 20% of statewide student achievement is provided in Math and Reading. Students are included in the Math analysis if the average of their current year/grade Math score and the last administered prior year/grade Math score is in the bottom 20% across the state. This bottom 20% is defined in the current (most recent analysis) year for each grade using the average of the current and prior year/grade scores. In the Math analysis, these students' prior and current Math and Reading test scores are included. This analysis pertains only to those students who are included in the "accountable student" set as described in 7.3.4 of the Statistical Models and Business Rules document.

Similarly, for Reading, students are included that are in the lowest 20% of statewide student achievement as defined above with the current and most recent prior year/grade scores. All other Math and Reading scores from those students are included in the Reading analysis.

Value-added measures are calculated for this subset of students for each district and school that meet the minimum requirements of student data. In this student group value-added computation, the expectation of growth is defined the same as in the overall students' analysis. In other words, the expectation of growth is based on all students.

Technical Description

For example, in a typical year, a student's grade 5 OST Math score from last year and grade 6 OST Math score from this year would be used to create their average Math score. Similarly, the student's grade 5 OST Reading score from last year and grade 6 OST Reading score from this year would be used to create their average Reading score. Students who do not have both scores in consecutive grades for a particular subject do not have an average and are not included. For 2020-21, grade 4 was used as the prior year score instead of grade 5.

For each grade in a particular subject, the cut score is identified such that at least 20% of the students have an average score below that cut score. These are the students whose scores are included in the value-added analysis for low achieving students for that subject. If a student's average Math score is in the lowest 20% for Math while their average reading score is not in the lowest 20% for Reading, the value-added analysis for Math includes both Math and Reading scores from the current and prior years. However, the student is not included in the analysis for Reading. If a student is included in that subject, then the student's current year and prior year scores from Math and Reading are included in the modeling for that subject. For additional information, see 7.3.4.4 in the Statistical Models and Business Rules document.