

Module 4 Challenge report

- The effect of replacing 9th grade scores from Thomas High School

1. District summary

Total number of schools, students and budget are not affected by the change. Average math score dropped from 79.0 to 78.9 while the average reading score remained as 81.9. The percentage of passing math and reading each were 74% and 86%, respectively, both being reduced by 1%. The percentage of overall passing also dropped by 1%, from 65% to 64%.

2. School summary

Only the values for Thomas High School are affected after the change. There are no changes in average math and reading scores when formatted to one decimal place. However, the percentage of passing math dropped from 93% to 67% and percentage of passing reading dropped from 97% to 70%. The percentage of overall passing also dropped from 91% to 65%.

3. Before the replacement, Thomas High School's performance was ranked 2nd, relative to the other schools. However, replacing the reading and math scores of 9th graders of the school dropped the percentage of passing dramatically into the 60-70%, and thus the performance of Thomas High School also dropped to 8th among the schools compared.

4. Replacement of the ninth-grade scores only affect the Math and Reading Scores for 9th grade of Thomas High School. Scores of 10th-12th grade of the same high school or scores of other high schools are not affected.

5. Thomas High School spends \$638 per student. Replacement of the ninth-grade scores did not affect the averages for math and reading scores in the schools with a budget range of \$630-\$644, however, the percentage of passing dropped for math (73% to 67%), reading (84% to 77%), and overall (63% to 56%).

6. Thomas High School has 1635 students so belong to the schools with medium size (1000-2000 students). Replacement of the ninth-grade scores did not affect the averages for math and reading scores in the schools within the size range. However, the percentage of passing dropped for math (94% to 88%), reading (97% to 91%), and overall (91% to 85%).

7. Thomas High School is a Charter school. Replacement of the ninth-grade scores affected the percentage passing for Charter schools. Math dropped from 94% to 90%, reading dropped from 97% to 93% and the overall passing dropped from 90% to 87%.