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Analytic Report of Module 4

The purpose of Module 4 was to compose and analyze school data for mainly observing their student numbers, school types, school budgets, per student budgets, average math score, average reading score, and percent passing of different categories. The data contains a total of 15 schools and 39,170 total students. The total budget of all schools was \$24,649,428.00 over the course of this report we will look at how the factors of student amount, funding, and school type effects student performance.

One of the first trends to identify is the highest-performing schools by overall passing percent. One thing to notice is that the top five highest-performing schools are all charter schools. All five of them had an overall percent passing rate in the 90s. The average number of students was 1,641.2 students. The average per student budget was \$606.4. The lowest-performing schools by overall passing percent are all district schools. All five of them had an overall percent passing rate in the 50s. The average number of students was 3,852.2 students. The average per student budget was \$646.6. Charter schools normally have a lower number of students, and this seems to have helped with the passing rate.

Another thing to draw from the data is that the reading scores and passing rates were generally higher than the math rates not depending on the category or type. This also proved true not depending on the grade.

Based on the data, if you would like the best reading and math passing scores you would look to enroll a student in a mid-sized charter school with the funding to spend around \$600 per student.