Summary

We analyzed data from 15 schools involving 39170 students. The average math scores are 79% while the average reading scores are `82%. The overall passing rate is 80%. The top 5 performing schools were charter schools, while the top 5 bottom schools were District schools.

Medium size Schools with budgets up to $615 had better performance in math and reading and charter schools seemed to have better performance than city schools.

* Schools with higher budgets, did not yield better test results. By contrast, schools with higher spending 645-675 per student underperformed compared to schools with smaller budgets (585 per student).
* Smaller and medium sized schools dramatically out-performed large sized schools on passing math performances (89-91% passing vs 67%).
* Charter schools outperformed the public district schools across all metrics. However, more analysis will be required to glean if the effect is due to school practices or the fact that charter schools tend to serve smaller student populations per school.

Two observable trends on the data are:

1. The average math score is lower than the average reading score. This suggests that the students may be struggling more with math than with reading.
2. The percentage of passing math is lower than the percentage of passing reading. This suggests that math may be a more difficult subject for students, or that maybe other factors preventing students from succeeding in math.