

Project Report: School District Performance Analysis

Date: Jan 23, 2025

Objective:

This project analyzed key metrics from a school district dataset, focusing on school spending, student performance, and other critical metrics such as passing rates for math and reading. The analysis involved evaluating various data points to assess trends and make meaningful comparisons between schools.

Summary of Analysis:

1. Schools with higher per - student spending did not consistently outperform those with moderate spending. For example, schools in the <\$585 range had comparable passing rates to those in the \$645-680 range.
2. Reading passing rates averaged approximately %86, significantly higher than math passing rates, which averaged closer to %75.
3. Charter schools outperform district schools in average scores and passing rates. For charter schools, the math passing rate is close to %94, but for district schools this rate is close to %66.

Conclusion:

1. Math education requires improvement, as passing rates lag behind reading across the district.
2. Charter schools consistently perform better as we can see the top 5 schools are charter and bottom schools are district, possibly due to smaller class sizes or innovative teaching practices.
3. Students in smaller schools demonstrated better performance. This could be due to smaller class sizes allowing for more personalized instruction and student support.