PyCitySchools Report

This report provides insights to help the school board and mayor make informed decisions about future school budgets and priorities.

# Overview

In this analysis, we examined 15 schools, evaluating factors such as budget, school size, type, and both math and reading scores. Together, these schools serve a total of 39,170 students. The reading pass rate is 85.81%, while the math pass rate is 74.98%, resulting in an overall passing rate of 65.17%. The average reading score is 81.88, compared to 78.99 for math. We see that students are much better in reading than math.



# Analysis Results

We conducted a comprehensive analysis across all 15 schools, comparing overall passing rates, average reading and math scores, and budgets per student based on school sizes.

Our initial analysis identifies the highest and lowest-performing schools, focusing on the relationship between per-student spending and academic outcomes.

Below are the top 5 high-performing schools based on overall passing rate, along with their relevant statistics:

A screenshot of a graph

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Below are the bottom 5 low-performing schools based on overall passing rate, along with their relevant statistics:

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Scores by School Spending Per Student:

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**Spending Per Student**: There is no positive correlation between per-student spending and success rates. For instance, Cabrera High School, the top-performing school based on overall passing percentage, had a budget allocation of less than $585 per student, while Johnson High School, the lowest-performing school, had a per-student spending range of $645–$680.

This suggests that budget allocation should be reconsidered, potentially rewarding schools with higher passing rates.

Our second analysis identifies spending ranges per student and shows the academic outcomes.

The table below highlights that per-student spending does not align with school success rates.

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Our third analysis categorizes schools as Large, Medium, and Small to show the academic outcome for each category:

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**School Size**: Our analysis of school sizes shows that large schools have the lowest passing rates compared to smaller schools, which demonstrate significantly higher passing rates.

Our last analysis categorizes schools as Charter and District to show the academic outcome for each school type:

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**School Type (District vs. Charter)**: Charter schools show notably higher success rates, with an overall passing rate of 90.43%, compared to 53.67% for District schools.