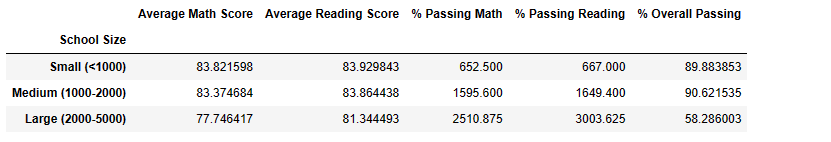
PyCity Schools Analysis Report

In this report we are analysing the school performance based on budget and size and their relative impact on the maths and reading results of students in the district wide schools.



This report indicates that medium-sized schools do well academically, with high average scores and pass rates. Whereas, small schools also show reasonable performance, with strong overall passing rates. However, Large schools face challenges, with lower average scores.

Based on the data provided, different observations have been done by using the average scores and passing rates for different spending ranges in different schools per student in a district, two observable trends that has been noticed:

Firstly, we notice a persistent decline in various performance metrics by moving from lower spending ranges (<$585) to higher spending ranges (>$630-645, $645-680.

The averages of reading and math scores decrease as budget per student increases. This trend shows that simply allocating more budget does not guarantee to better academic outcome.

The percentage passing rate for math and reading also goes down as budget per student increases. This suggests that more investments in per-student do not lead to better pass rates.

The overall passing rate (that combined both math and reading) also drops significantly in higher budget ranges. This explains that more resources might be allocated, they may not be effectively utilized to improve overall student results.

Another trend to observe is the significant performance gap between different spending ranges.

* The highest average reading and math scores are found in the lowest spending range (<$585), showing that students in this range perform better academically.
* The percentage of students passing both math and reading is more in the lowest spending range (<$585), indicating that students in this range are more inclined to meet academic goals.
* On the other hand, the lowest average reading and maths scores and the lowest passing rates are noticed in the highest spending range ($645-680). This suggests that despite higher funding, students in this range struggle achieving higher results.

These trends shows that student performance depends on other factors as well, such as teaching quality, community support and curriculum. Schools in the highest spending range may require to review and fix their educational policies to improve student results. This report is based on the table below

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