**PyCity Schools Analysis Report**

**Summary of Analysis**

This report looks at how PyCity Schools are doing, focusing on student performance, school funding, and other important factors. The data digs into average test scores, passing rates in math and reading, and how school size and spending affect performance.

**Key Conclusions**

1. Spending and Performance: There’s a clear link between how much schools spend per student and their academic performance. Schools that spend less than $585 per student have the best results, with an average math score of 83.46% and an overall passing rate of 90.37% as an example. In contrast, schools in the $645-680 range show lower averages, with a math score of 76.99% and an overall passing rate of 53.52%. This suggests that just increasing funding doesn’t automatically lead to better outcomes.
2. School Size Impact: Smaller schools perform significantly better than larger ones. For example, small schools (under 1000 students) have an average math score of 83.82% and an overall passing rate of 89.88%. Medium-sized schools (1000-2000 students) also perform well, with an average math score of 83.37% and an overall passing rate of 90.62%. In contrast, large schools (2000-5000 students) struggle, achieving an average math score of 77.75% and an overall passing rate of only 58.29%. This indicates that smaller school size helps students learn better.