The PyCity Schools Analysis provides a comprehensive view of school performance, budgeting allocations and student metrics across various high schools. The key performance indicators consist of average math and reading scores, along with passing rates for both subjects (math and reading). Also, the overall passing percentages categorized by school type, spending per student, and school size.

In regards to the **school type comparison,** charter schools outperform district school across all metrics. Moreover, charter school report higher average math and reading scores compared to district school. The average scores for both math and reading for Charter Schools were 83.47 and 83.90, respectively. Whereas, the district schools had 76.96 in math and 80.97 in reading. The overall passing rate for charter schools is significantly higher at 90.43% compared to 53.67% for district schools. Both the math and reading scores are fairly consistent across grade levels within each Charter Schools. This disparity among both schools conveys that charter schools employ more efficient teaching methods and curricular frameworks to support students’ success.

Smaller schools that have less than 1000 students and medium-sized schools (1000-2000 students) generally perform better than large schools (2000-5000 students) in both math and reading scores. This pertains to the overall passing rates as well. For example, small schools have an average overall passing rate of 89.88%, while large schools have notably lower average passing rate of 58.29%. This pattern suggests that smaller school sizes might contribute to better academic outcomes, probably due to reduced teacher workload leading to more personalized attention for students.