Summary:

In this challenge, I am analyzing the district-wide standardized test results using the dataset available. Given the data, I have showcased major trends in school performance with key findings listed below.

- District Summary
- School Summary
- Top Performing Schools (By Passing Rate)
- Bottom Performing Schools (By Passing Rate)
- Math Scores by Grade
- Reading Scores by Grade
- Scores by School Spending
- Scores by School Size
- Scores by School Type

PyCity Schools observable trends based on the data analysis:

1. Schools that spend less than $584 per student had a higher overall percentage of passing at 90.4%. Whereas those that spent between $645 and $675 per student had a much lower overall passing at 53.5%. This trend tracks with both the math and reading passing rates.

2. The overall passing percentage for charter schools was 84% higher than the district schools. This was particularly seen in the math passing percentages, which were almost 70% higher in the charter schools.

3. Although medium and small size schools had similar overall passing percentages, large schools had much lower overall passing percentage at 58%. Similar to the differences in the charter and district schools, the disparity between small and medium schools and larger schools was in the percentage passing math.