**Summary of the analysis:**

The Py City School dataset includes math and reading scores for 15 schools with diverse student populations. It analyzes average scores to determine overall passing rates, categorized by grade, spending ranges, school size, and school type. The district serves 39,710 students across 15 schools, with a total budget of $24,649,428.

District passing rates are:

* Math: 74.98%
* Reading: 85.80%
* Overall: 65.17%

The district comprises 8 charter schools and 7 district schools. Notably, the top 5 performing schools by overall passing rate are all charter schools, while the bottom 5 are district schools.

**Inferences:**

* Average math and reading scores are consistent across grades 9 to 12.
* Schools with fewer than 1,000 students have an overall passing rate 1.54 times higher than larger schools.
* Schools with lower per-student spending have an overall passing rate 1.6 times higher than those with higher spending.
* The overall passing rate in district schools is negatively impacted by lower math passing percentages.