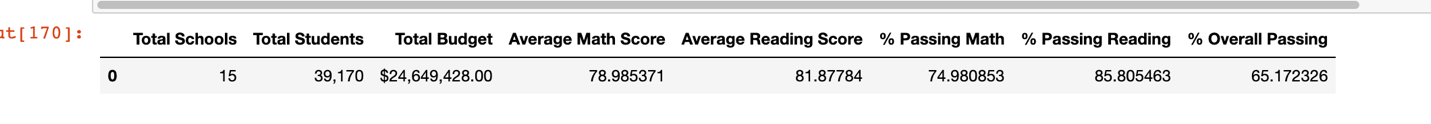
## Summary of the School District Analysis

This analysis is created in order to help the school board and mayor make strategic decisions regarding future school budgets and priorities.

First task was to analyze the district-wide standardized test results – this was done by using the data on student's math and reading scores, as well as various information on the schools they attend. Second task is to aggregate the data to showcase obvious trends in school performance.

*District Summary*



In this summary snapshot we can see that there are total of 15 schools and total number of students is 39,170. We can also see that average reading score and reading percentage is higher than the average math score and passing math percentage.

*School Summary*

Highest performing schools

Graphical user interface

Description automatically generated with medium confidence

Lowest performing schools

Graphical user interface

Description automatically generated with medium confidence

In the school summary, we can notice that students in Charter schools were performing better in math and reading vs. students in District schools. Furthermore, the total school budget in Charter schools was lower than in District schools.

*Math and Reading Scores by Grade*

Math/reading scores by grade

Table

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The math and reading scores analysis did not show any significant difference between grade 9th, 10th, 11th and 12th.

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*Scores by School Spending*

As mentioned earlier, the district schools have higher total schools budget and per student budget then charter schools.

Furthermore, students that have higher spendings have lower average math and reading score and also lower percentage of passing math and passing reading.

Table

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*Scores by school size*

Table

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This analysis is showing that the larges schools have lower average math and reading score and significantly lower percentage of passing math and passing reading score.

*Scores by School Type*

Table

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This analysis is showing us that students from charter schools have higher average math and reading score, and higher percentage pf passing math and reading then the students attending district schools.

As a conclusion, students attending charter schools have a better performance than the ones attending district schools. Furthermore, district schools have higher total budget and per student budget then charter schools.