

**BOOT CAMP**

**DATA ANALYSIS**

**CHALLENGE #4**

**Pandas Challenge**

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**REPORT**

The main of this analysis is to analyze trends of the results of the district-wide standardized test by type of school, and subject, obtaining the average of passing by subject. The approach of this analysis is obtaining helpful information to decide on the strategies of budget assignations.

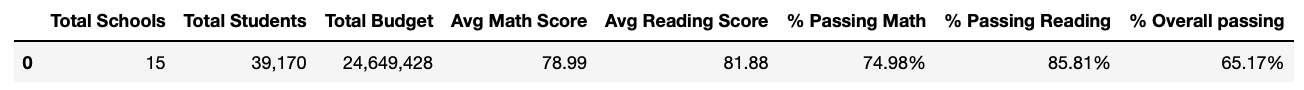
The report shows the average percentage of the students that approve the exam in math and reading, the main subjects of the statal test.

The first analysis shows the summarized information by district:

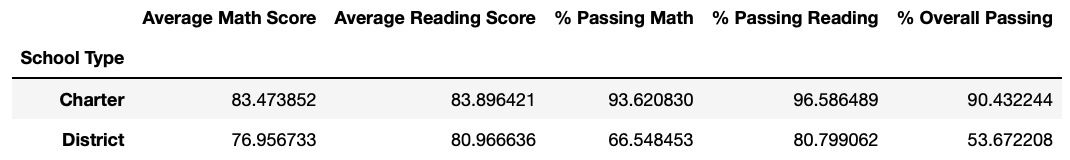
The total of schools analyzed was 15, with a total of 39,170 students and a total budget available to be distributed of $24,649,428 USD.

The average score in Math was 78.99 which is lower than the reading score with 81.88.

With the same tendency, the 74.98% of the students that pass the math test is lower than the 85.81% that pass the reading test, with an overall percentage of students passing of 65.17%.



In the body of the analysis retrieved information is the base for making decisions on how much USD of the budget is assigned to each school, also, the below information shows that the Charter schools have higher performance than the District schools.



And the higher differences between the Charter schools and the District schools are in the reading subject.

We can review the performance and aim to dispose of most resources to increase the performance of the school and increase the score.