In this project I was asked to analyze district-wide standardized test results. I had access to the student's math and reading scores, as well as various demographic details about the schools those students attend.

I broke the district's data down into key metrics in a DataFrame to see high-level snapshots of the district's schools including:

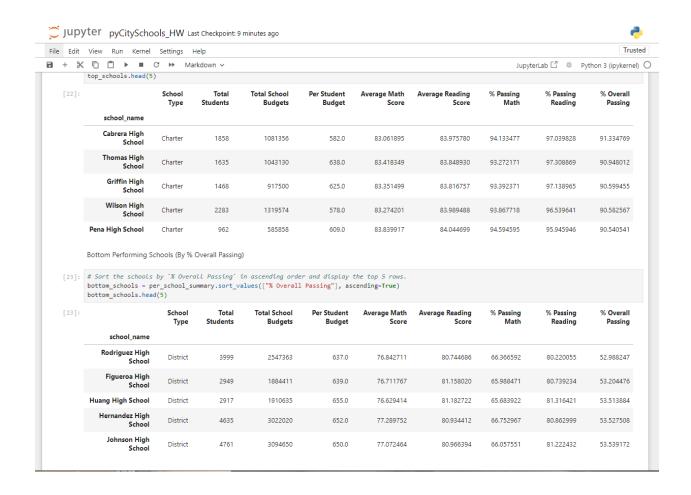
- Total number of unique schools
- Total students
- Total budget
- Average math score
- Average reading score
- % passing math (the percentage of students who passed math)
- % passing reading (the percentage of students who passed reading)
- % overall passing (the percentage of students who passed math AND reading)

I similarly did calculations and created a DataFrame with key metrics about each school, including:

- School name
- School type
- Total students
- Total school budget
- Per student budget
- Average math score
- Average reading score
- % passing math (the percentage of students who passed math)
- % passing reading (the percentage of students who passed reading)
- % overall passing (the percentage of students who passed math AND reading)

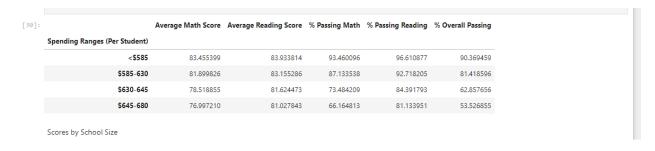
I then built more detailed DataFrames to find trends and analyze the data to find observable trends.

Such as:



Where we can see that the top five performing schools in the district were all Charter Schools, while the lowest performing schools were all District schools.

## We can also see:



That spending more money per student did not equal higher test results. In fact, we see that the lowest spending schools, had the highest test results.