**PyCitySchool Analysis:**

In this analysis we used Pandas and Jupyter Notebooks are used to analyze the data also by having two CSV files for the district's schools and students, we had basis for our data analysis.

We are going to analyze School District to help the school board and mayor make strategic decisions regarding future school budgets and priorities.

In this repository we analyzed the school district's performance by checking average scores in math and reading, percentage of students passing math and reading, and overall passing rate.

analyzing the performances were based on three criteria such as school spending, school size, and school type.

Based on school’s spending, less than $585 per student was spent in the schools with the lowest spending ranges however school that had low spendings budget had higher average math and reading scores as well as higher passing percentages for both reading and math for all children.

And overall passing rate is 91% for low budget per student and 52% for high budget per student. This shows that school spending has a negative coloration to student’s marks.

Second criteria are school size that we categorize school based on total number of students, which shows the passing rates for both small and medium size schools are nearly the same around 89% to 90 % however the large size schools have only 58 % overall passing.

Moreover, third criteria are based on school types which we grouped the data by school type (charter or district) and calculated average and passing percentages which illustrated that Charter schools had 90% overall passing compared to District schools that had only 54% of overall passing.

The two important conclusions from my analysis.

1. According to highest performing schools table, all 5 top performing schools are charter school types with student that have higher scores in average and overall passing compared to the district school students and all 5 bottom performing schools are from District school although they have more schools budget compared to charter schools that have lower budget.
2. Another conclusion is that Bailey High School had the greatest number of students who passed Math and Reading compared to other high schools and Pena High School had the highest passing rate compared to all school.