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### PyCitySchool Analysis

After performing the necessary calculations in order to create dataframes ,based on the csv files, which summarized key metrics about each school one could make many conclusions. One of them being the correlation between test scores and total school budgets, based on the data when looking at the summary it can be seen that schools with the highest test scores tend to be on the lower side of school budgets. When looking at the highest performing schools dataframe It is easy to see that the top schools were all charter schools which also had the lowest total of school budgets. Another point that is shown in the data is that when comparing the two dataframes of “highest performing schools” and “Bottom Performing Schools” a very noticeable distinction that can be made is the fact that the schools with the lower total of student counts were part of the top performing schools while the case was vice versa for the schools with higher total of students. A reason I believe that could be the case would be due to the student and teacher/staff ratio. The students in the higher populated school have a higher student/teacher ratio so the services/help provided by the staff arent as good compared to schools with lower ratios since the students have a lower chance of receiving as much help or quality of help as they would in a less student populated school.

After looking at all of the data points it can be concluded that students in Charter schools receive higher test scores compared to students in district schools. A limitation would be that there should be More data explored in order to be able to figure out exactly what it is that results in that outcome and how. Another limitation could be the difference in both of the education systems in the way they teach their students but also the specific type of individuals/demographics that attend charter schools compared to those that attend district schools could also be an important piece of data that should be considered when trying to figure this out.