**PyCity Schools Analysis**

* As a whole, schools with higher budgets, did not yield better test results. By contrast, schools with higher spending 645-675 per student actually underperformed compared to schools with smaller budgets (585 per student).
* As a whole, smaller and medium sized schools dramatically out-performed large sized schools on passing math performances (89-91% passing vs 67%).
* As a whole, charter schools out-performed the public district schools across all metrics. ***However, more analysis will be required to glean if the effect is due to school practices or the fact that charter schools tend to serve smaller student populations per school.***

Final Analysis

The top 5 highest performing schools are Charter Schools and the 5 Lowest Performing Schools are District Schools.

Schools with a budget of less than $585 per student have better grades than schools with higher budget per student.

Schools with student population of 1000-2000 have better grades, which are all Charter Schools.

Schools with a student population of 2000-5000 have the lowest grades, which are all District Schools.

With the summarized data we find that even though Charter Schools have lower budgets per student, and smaller populations of students they out-perform District schools. We can conclude that schools with smaller student populations perform better. However, without additional information like how many students per teacher we cannot determine if school practices could change the results.