PyCitySchools Analyisis

From the data provided, we can see that of the 15 schools in the data, despite some schools having a higher budget and number of students, computing for the budget per capita shows that budgets are not too far from each other. However, the overall passing percentage is less than 70 percent, which can be considered failing, despite these schools having a near budget per capita to each other.

The top 5 best performing schools are charter schools while the bottom 5 performing schools are district schools. Despite the small amount of data, this could indicate better teaching practices, curriculums, and standards than public schools.

Computing for the spending ranges however, shows that % Overall passing is significantly higher for spending ranges less than $585. However, it steadily goes down below passing in the $630 to $645 range. Sorting the schools by size and comparing their scores, shows us that most large schools (2000-5000 students), except Wilson Highschool, have significantly lower % overall passing compared to small and medium schools.

Computing for the % overall passing by school type, shows us that charter schools have significantly higher overall passing, from 90.43% for charter schools to 53.67% for district schools.

It can be concluded from this data that charter schools are better than district schools, as they have a higher overall passing rate, and that larger schools have significantly lower overall passing rates than small and medium schools.

The spending ranges of the schools shows that an overall passing rate is not determined by a higher budget compared to other schools, despite the budget ranges being quite close between these schools