PyCity Schools Analysis

In this challenge, we analyzed data from 15 different types of school to get a better understanding of the effects of budget, spending, and school types had on the math, reading and overall passing scores for the students in each school. The schools analyzed had an even split between District and Charter schools. The top five schools with the most students were District schools, but this did not have much a difference between per capita spending per school. Each schools’ per capita spending was within >50 dollars of each other. That being said, Charter schools outperformed District schools in Overall Passing % across the board. When the Overall Passing % was analyzed, all the highest performing schools were Charter schools, were as the lowest performing schools were all District. We can’t attribute this disparity to spending rates per students, because as showed the lowest spending range per student saw the highest overall passing %. This disparity of performance between the school types can be attributed to school size. District schools tended to have a larger total of students. The biggest District schools had an overall passing rate of >55%, whereas the four smallest schools passing rates 89% and over. Our final analysis summarizes this the best, where we analyzed average math and reading scores and percentages as well as overall. The results are a 37% difference in overall passing percentage.