Pandas Homework: PyCitySchools

Observable Trends

In average students tend to have better reading scores than math scores.

The top five performing schools' reading scores in average is 2.94% higher than the math scores, while the worst five performing schools' reading scores in average is 14.70% higher than the math scores. Therefore, we can conclude that the smaller the gap between reading scores and math scores the better the school performance.

Students in schools with less than two thousand students tend to perform better than students in schools with over two thousand students. Also, the total number of students in the top five Performing Schools (By % Overall Passing) is less than 2,290 students, while the total number of students in the worst Performing Schools (By % Overall Passing) is between 2,949 and 4,761 students. Therefore, we can conclude that the total number of students per school affects the school performance.

The budget per student of the best Performing Schools (By % Overall Passing) is less than the budget per student of all five schools with the worst Performing Schools (By % By overall Passing). Also, schools with lower spending ranges per student tend to have better performance (By % Overall Passing) than schools with higher spending ranges per student. Therefore, we can conclude that there is a weak correlation between the amount spend per student and the school performance.

Students in Charter Schools have a better performance than students in District Schools. All five best Performing Schools (By % Overall Passing) are Charter Schools while all five worst Performing Schools (By % Overall Passing) are District Schools.