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Module 4

Pandas-Challenge

Pandas-challenge: Analysis

The data of PyCity Schools is about the math and reading scores of various students, from fifteen different schools. It compares the averages of both math and reading scores to see the overall passing scores. We are then filtering the data so we can compare and look at the scores for:

Each grade

The spending range for each school

The school size

And then the school type (charter and district)

When looking at the scores between grades the scores are consistent, not much variation.

But when we look at the scores between school sizes, that’s where we see significant variation. With smaller schools we see significantly higher overall passing rates compared to larger schools.

Charter schools have higher passing rates compared to district schools. Which when we also compare the sizes of the school, these two filters correlate. Charter schools are much smaller than district schools, which lines up when they have higher passing rates.

When we look at the budget for schools they are not correlating with the scores how you would assume. Just because there is more budget for school and even more budget for each student, doesn’t mean the scores will have a better outcome.

Based off the data the biggest effects on the overall scores, is school size.