SMU Data Analytics Bootcamp

Homework 4: Pandas | Analytic Report Write-up

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One observable trend seen in analyzing the school data is the highest performing schools (top five) are mostly medium to small size schools in enrollment (max: 2283, min: 962). This may be indicative of a greater teacher to student ratio or greater "time-teacher-spends-with-student" average. However, the data for the number of teachers per school is not included in this dataset.

A second observable trend seen in analyzing the school data is that the less money spent on average per student by the school, correlates with higher overall student body passing rates for math and reading subjects. In inverse fashion, the lowest average spending range per student (<$580) resulted in the highest overall passing percentage (90.58), and the highest average spending per student ($630-$660) resulted in the lowest overall passing percentage (58.85). Not sure how to interpret this other than the schools that spend more money per student are not spending that money on academic improvement, and maybe on ancillary projects like athletics or frivolous clubs.