Mudit Mathur

PyCity Schools Analysis

Pandas, Pandas, Pandas

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**Data Munging with Pandas – Academy of Py**

*“You must include a written description of at least two observable trends based on the data.”*

The first trend that I observed came from the top performing (by passing rate) and bottom performing schools – the top 5 were all charter schools whereas the bottom 5 were all district schools.

second significant observation was from the Scores By School Spending data frame, that the per student budget did not conclusively show that the higher Per Student Budget yielded higher % Overall Passing Rate – as would be expected. In fact, the bin with the highest spending range per student performed the worst.

Another observable trend that I gathered from the resulting data is that school size had a significant effect on % Overall Passing Rate. The percentage passing dropped by more than 20% when school size was in the Large bin (between 2000-5000) students compared to the small and medium bins. Moreover, the effect was felt more significantly in the % Passing Math than % Passing Reading.