Pandas-Challenge – Analysis

# PyCity Schools

Observations –

* Charter schools have a much higher passing percentage in math, reading and overall than the district schools
* While district schools lag charter schools in all three passing percentages measured, math is clearly the weaker area within district schools
* Both average math and reading scores seem consistent across the 4 grades at each school
* Student spending does not correlate with higher passing rates. The highest scores and percentage passing are coming from schools with the lowest spend per student.
* Large schools significantly lag small and medium sized schools, especially in math
* Overall passing scores within the school district are being negatively impacted by the lower passing percentages in math from with the district schools

My biggest takeaways would be the need for research into why district schools are falling so far behind in passing math scores and could budgets be cut at schools spending more per student since spending more does not seem to mean better scores. Could a reduction in spend per student channel into reducing school size which leads to better student performance?