**Module 4 Read Me**

I used the Pandas library and Jupyter Notebook to analyze the school district data to showcase trends in school performance. I did this by summarizing the district data, aggregating the two CSV files and merging them together. By creating data frames, I was able to divide the data to show scores by school type, size, spending, and grade.

The first trend I noticed was when you look at the size of the schools how the small (<1000) and the Medium (1000-2000) have nearly the same averages in math, reading, and overall passing while the Large schools (2000-5000) have significantly lower scores suggesting there might be a correlation between a smaller school size have better scores, at least to a point.

The second trend is Charter schools clearly score better than District schools. The 90% overall passing in the charter school compared to 54% overall passing in a district school is astonishing but charter schools score higher and have a larger portion of their students passing then district schools across the board.