PyCitySchools\_Challenge

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Overview

The Pycity school assignment is for analysis and comparing various schools depending upon school budget, Reading and Math scores. The analysis also scores by school spending and schools down by size and type (charter or public).A variant of the analysis has a grade from a high school removed and placed NAN due to a suspected dishonest activity. In Module 4 we found the overall passing percentage of the students and determine whether there is any correlation with the budget per student using numpy-python.

Results!

The average Math scores for charter scores are higher than District schools. The scores of Thomas High School 9th graders were not exceedingly out of the norm, so removing them from calculation did not improve or worsen the district view.

The average Reading scores for charter scores are slightly higher than District schools. The exclusion of Thomas High School 9th graders did not much change the average scores.

% passing math went from 73% down to 67

% passing reading went from 84% down t 77%

% overall went from 63% down to 56%

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% Scores by school size:

% Thomas High School is in the 1000 to 2000 range

% passing math went from 94% down to 88%

% passing reading went from 97% down

Conclusion

In Short, replacing all of Thomas High Schools 9th grade math and reading test results with NaN has negatively affected a number of data points; Thomas High Schools rankings for the overall percentage of passing students dropped from 2nd best to 8th worst. In addition their malpractice negatively affected the ratings for charter schools and school sizes in the range of 1000 to 2000 students.