

PySchools Analysis

This report will cover the results of the Pycity schools exercise. The individual math and reading scores should be disregarded as a glitch shows artificially high scores for both math and reading. However, the code behaved as expected when ranking and comparing the schools. Therefore, we can still draw conclusions. Overall, the district needs to focus on its math program: across all the schools, the math scores were lower than the reading scores. When comparing school types, charter schools excelled in both math and reading while the public schools were significantly behind. This suggests that city funding needs to be directed towards the public schools. While comparing school sizes, schools less than 2,000 students scored around 90 percent for overall passing while schools larger than 2,000 students have a 58% passing rate. This suggests that to allow more students to pass, the city should build more public schools to split up the large schools. Finally, in regards to the budget, it seems that spending is inversely proportional to student passing rates. This indicates that funding spent on students should be reallocated elsewhere. Perhaps this money could be repurposed for splitting up the bigger schools.