

PyCity Schools Analysis

Kyle Stephens

What I noticed first in my analysis of the schools in PyCity was charter schools taking the top 5 spots when measuring the percentage of students passing both math and reading. Conversely the district schools held the bottom five spots in the same measure. At a glance the district schools all appeared to have more money over all and a per-student budget equal to or higher than the charter schools.

There was an inverse relationship between the amount of money per student and student's success their math and reading scores. This was demonstrated in the spending summary dataframe with the smallest basket of <\$585 having an overall passing percentage of 90% while the \$645-680 only had %53.5 passing overall.

The reason that I believe gave charter schools an advantage over the district schools was the size difference between the two types. The District schools were consistently large, containing 2k to 5k students. The charter schools on the other hand rarely got to that size, usually less than 2k students. This could indicate a smaller classroom size or other institutional changes that allowed for individual students to be brought up to passing grades.