

Analysis PyCity Schools

For this project, I worked with school and student data set for PyCity Schools. My goal was to manipulate the data to find interesting patterns and statistics.

In conclusion I found was that “Charter” schools have an overall higher passing percentage than “District” schools. Note Charter schools in this data set have a lower student population compared to District.

| [26]: | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing | |
|-------------|---------------------|----------------|---------------------|--------------------|--------------------|-----------------------|----------------|-------------------|-------------------|-----------|
| school_name | | | | | | | | | | |
| | Cabrera High School | Charter | 1858 | \$1,081,356.00 | 582.0 | 83.061895 | 83.975780 | 94.133477 | 97.039828 | 91.334769 |
| | Thomas High School | Charter | 1635 | \$1,043,130.00 | 638.0 | 83.418349 | 83.848930 | 93.272171 | 97.308869 | 90.948012 |
| | Griffin High School | Charter | 1468 | \$917,500.00 | 625.0 | 83.351499 | 83.816757 | 93.392371 | 97.138965 | 90.599455 |
| | Wilson High School | Charter | 2283 | \$1,319,574.00 | 578.0 | 83.274201 | 83.989488 | 93.867718 | 96.539641 | 90.582567 |
| | Pena High School | Charter | 962 | \$585,858.00 | 609.0 | 83.839917 | 84.044699 | 94.594595 | 95.945946 | 90.540541 |

Larger schools tend to perform worse than medium and smaller schools. Which furthers proves why the smaller “Charter” schools performed well.

| | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing | School Size |
|-----------------------|-------------|----------------|---------------------|--------------------|--------------------|-----------------------|----------------|-------------------|-------------------|-------------------|
| school_name | | | | | | | | | | |
| Bailey High School | District | 4976 | \$3,124,928.00 | 628.0 | 77.048432 | 81.033963 | 66.680064 | 81.933280 | 54.642283 | Large (2000-5000) |
| Johnson High School | District | 4761 | \$3,094,650.00 | 650.0 | 77.072464 | 80.966394 | 66.057551 | 81.222432 | 53.539172 | Large (2000-5000) |
| Hernandez High School | District | 4635 | \$3,022,020.00 | 652.0 | 77.289752 | 80.934412 | 66.752967 | 80.862999 | 53.527508 | Large (2000-5000) |
| Rodriguez High School | District | 3999 | \$2,547,363.00 | 637.0 | 76.842711 | 80.744686 | 66.366592 | 80.220055 | 52.988247 | Large (2000-5000) |