

# PyCity Schools Analysis

I calculated the Total Schools, Total Students, Total Budget, Average Math Score, Average Reading Score, Percentage of Students that passed Math, Reading, and both Math and Reading of the entire District. I then calculated the same values per School. I also calculated the highest performing schools, the bottom performing schools, math scores per grade, and reading scores per grade. Lastly, I reviewed Scores by school spending, school size, and school type.

Based on the analysis, I can draw the two conclusions below:

- 1) The bottom performing schools were all District schools with over 2,500 students whose Budget per Student was more than \$600.

	School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
school_name									
Rodriguez High School	District	3999	\$2,547,363.00	637.0	76.842711	80.744686	66.366592	80.220055	52.988247
Figueroa High School	District	2949	\$1,884,411.00	639.0	76.711767	81.158020	65.988471	80.739234	53.204476
Huang High School	District	2917	\$1,910,635.00	655.0	76.629414	81.182722	65.683922	81.316421	53.513884
Hernandez High School	District	4635	\$3,022,020.00	652.0	77.289752	80.934412	66.752967	80.862999	53.527508
Johnson High School	District	4761	\$3,094,650.00	650.0	77.072464	80.966394	66.057551	81.222432	53.539172

- 2) The larger the school the lower the passing average across math and reading and the overall passing rate.

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
School Size					
Small (<1000)	83.821598	83.929843	93.550225	96.099437	89.883853
Medium (1000-2000)	83.374684	83.864438	93.599695	96.790680	90.621535
Large (2000-5000)	77.746417	81.344493	69.963361	82.766634	58.286003