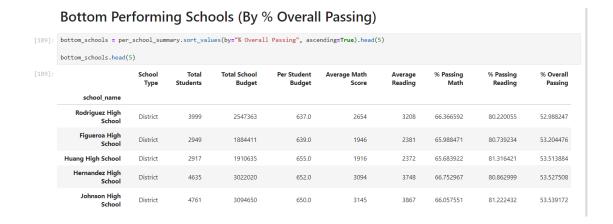
## Analysis

We analyzed and studied many city school variables during this project, evaluating behaviors and results to anticipate future decisions. We analyzed 15 different schools and more than 39.000 students classified by grade, budget, performance, and size, creating different leaderboards that helped us identify trends.

Based on the leaderboard of the Highest-Performing Schools, we could conclude that all
the schools with the better results are charter schools, while the ones with the lowest are
District schools.

	Highest-Pe											
[182]:	<pre># Sort the schools by `% Overall Passing` in descending order and display the top 5 rows. top_schools = per_school_summary.sort_values(by="% Overall Passing", ascending=False).head(5) top schools.head(5)</pre>											
	rat_anaaa(a)											
[182]:		School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading	% Passing Math	% Passing Reading	% Overall Passing		
	school_name											
	Cabrera High School	Charter	1858	1081356	582.0	1749	1803	94.133477	97.039828	91.334769		
	Thomas High School	Charter	1635	1043130	638.0	1525	1591	93.272171	97.308869	90.948012		
	Griffin High School	Charter	1468	917500	625.0	1371	1426	93.392371	97.138965	90.599455		
	Wilson High School	Charter	2283	1319574	578.0	2143	2204	93.867718	96.539641	90.582567		
	Pena High School	Charter	962	585858	609.0	910	923	94.594595	95.945946	90.540541		



• The spending Ranges per student conclude that the overall results on their exams are not proportional to the budget invested per student, as the table below confirms.

[0]:		Average Math Score	Average Reading Score	% Passing Math\t	% Passing Reading	% Overall Passing
	Spending Ranges (Per Student)					
	<\$585	1491.750000	1539.25	93.460096	96.610877	90.369459
	\$585-630	1813.000000	2028.50	87.133538	92.718205	81.418596
	\$630-645	1999.000000	2338.00	73.484209	84.391793	62.857656
	\$645-680	2718.333333	3329.00	66.164813	81.133951	53.526855