

Overview:

The school district would like to analyze trends in test scores to attempt to find correlations that will help dictate future decisions about funding, chartership, and population density.

Question: What could cause a disparity in testing scores in different populations across the district?

Summary:

The analysis organizes district testing data by sorting on a variety of criteria. These criteria include school spending per student, school type, grade levels, and school size). Each of these criteria is demonstrated in separate tables to make trend-finding easier.

Conclusions:

1. Charter schools are the highest performing in the district. (fig 1)
2. Spending more money per student does not correlate with increased testing scores. (fig 2)

Figures:

	School Type	Total Students	Total School Budget	Per Student	Average Math	Average Reading	% Passing Math	% Passing Reading	% Overall Passing	School Size
Cabrera High School	Charter	1858	\$1,081,356.00	\$582.00	83.061895	83.97578	94.13347686	97.03982777	91.33476857	Medium (1000-2000)
Thomas High School	Charter	1635	\$1,043,130.00	\$638.00	83.418349	83.84893	93.27217125	97.3088685	90.94801223	Medium (1000-2000)
Griffin High School	Charter	1468	\$917,500.00	\$625.00	83.351499	83.81676	93.39237057	97.13896458	90.59945504	Medium (1000-2000)
Wilson High School	Charter	2283	\$1,319,574.00	\$578.00	83.274201	83.98949	93.86771792	96.53964082	90.5825668	Large (2000-5000)
Pena High School	Charter	962	\$585,858.00	\$609.00	83.839917	84.0447	94.59459459	95.94594595	90.54054054	Small (<1000)
Wright High School	Charter	1800	\$1,049,400.00	\$583.00	83.682222	83.955	93.33333333	96.61111111	90.33333333	Medium (1000-2000)
Shelton High School	Charter	1761	\$1,056,600.00	\$600.00	83.359455	83.72572	93.86712095	95.85462805	89.89210676	Medium (1000-2000)
Holden High School	Charter	427	\$248,087.00	\$581.00	83.803279	83.81499	92.5058548	96.2529274	89.22716628	Small (<1000)
Bailey High School	District	4976	\$3,124,928.00	\$628.00	77.048432	81.03396	66.68006431	81.93327974	54.64228296	Large (2000-5000)
Ford High School	District	2739	\$1,763,916.00	\$644.00	77.102592	80.74626	68.30960204	79.29901424	54.28988682	Large (2000-5000)
Johnson High School	District	4761	\$3,094,650.00	\$650.00	77.072464	80.96639	66.05755093	81.22243226	53.53917244	Large (2000-5000)
Hernandez High School	District	4635	\$3,022,020.00	\$652.00	77.289752	80.93441	66.75296656	80.86299892	53.52750809	Large (2000-5000)
Huang High School	District	2917	\$1,910,635.00	\$655.00	76.629414	81.18272	65.68392184	81.31642098	53.51388413	Large (2000-5000)
Figueroa High School	District	2949	\$1,884,411.00	\$639.00	76.711767	81.15802	65.98847067	80.73923364	53.20447609	Large (2000-5000)
Rodriguez High School	District	3999	\$2,547,363.00	\$637.00	76.842711	80.74469	66.36659165	80.22005501	52.98824706	Large (2000-5000)

(fig 1) Schools sorted by %Overall Passing

Spending Ranges (Per Student)	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
<\$585	83.45539901	83.93381405	93.46009573	96.61087678	90.36945874
\$585-630	81.8998257	83.15528577	87.13353761	92.71820458	81.41859632
\$630-645	78.51885455	81.62447332	73.4842089	84.39179285	62.85765555
\$645-680	76.99720981	81.02784256	66.16481311	81.13395072	53.52685489

(fig 2) Overall passing rate sorted by ascending spending per student.