

## PyCity Schools Analysis - Conclusions

Overall view from the data below, we can conclude the following;

1. School spending ranges per student do not impact math and reading scores.
2. School size does have an impact on testing scores. The larger the school size, the lower the test scores and percentage of overall students passing.
3. Charter Schools performance is stronger than those of District Schools, as they have higher testing scores and percentages of overall students passing.

However, more analysis will be required to glean if the effect is due to school practices or the fact that charter schools tend to serve smaller student populations per school.

### Scores by School Spending

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
Spending Ranges (Per Student)					
<\$585	\$83.46	\$83.93	93.46	96.61	90.37
\$585-630	\$81.90	\$83.16	87.13	92.72	81.42
\$630-645	\$78.52	\$81.62	73.48	84.39	62.86
\$645-680	\$77.00	\$81.03	66.16	81.13	53.53

### Scores by School Size

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
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

### by School Type

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
School Type					
Charter	83.473852	83.896421	93.620830	96.586489	90.432244
District	76.956733	80.966636	66.548453	80.799062	53.672208

Scores