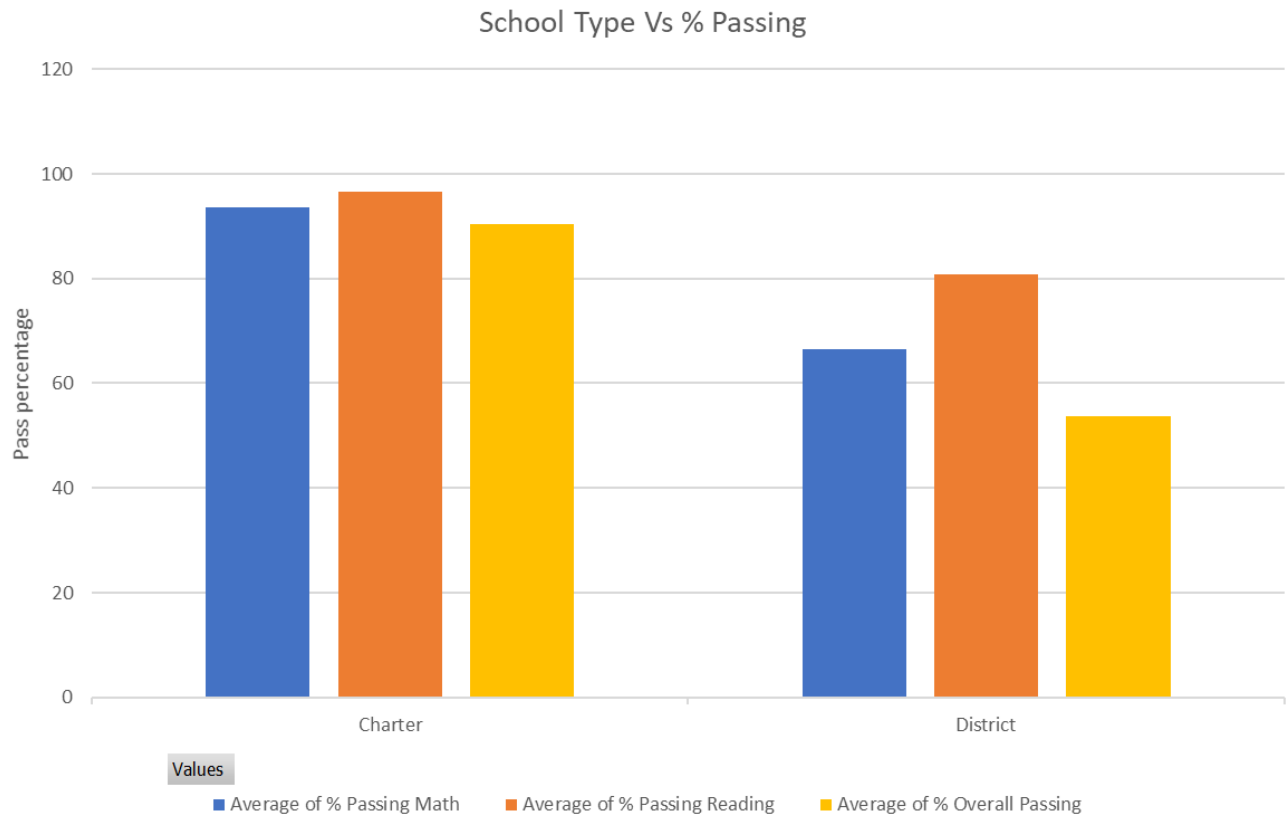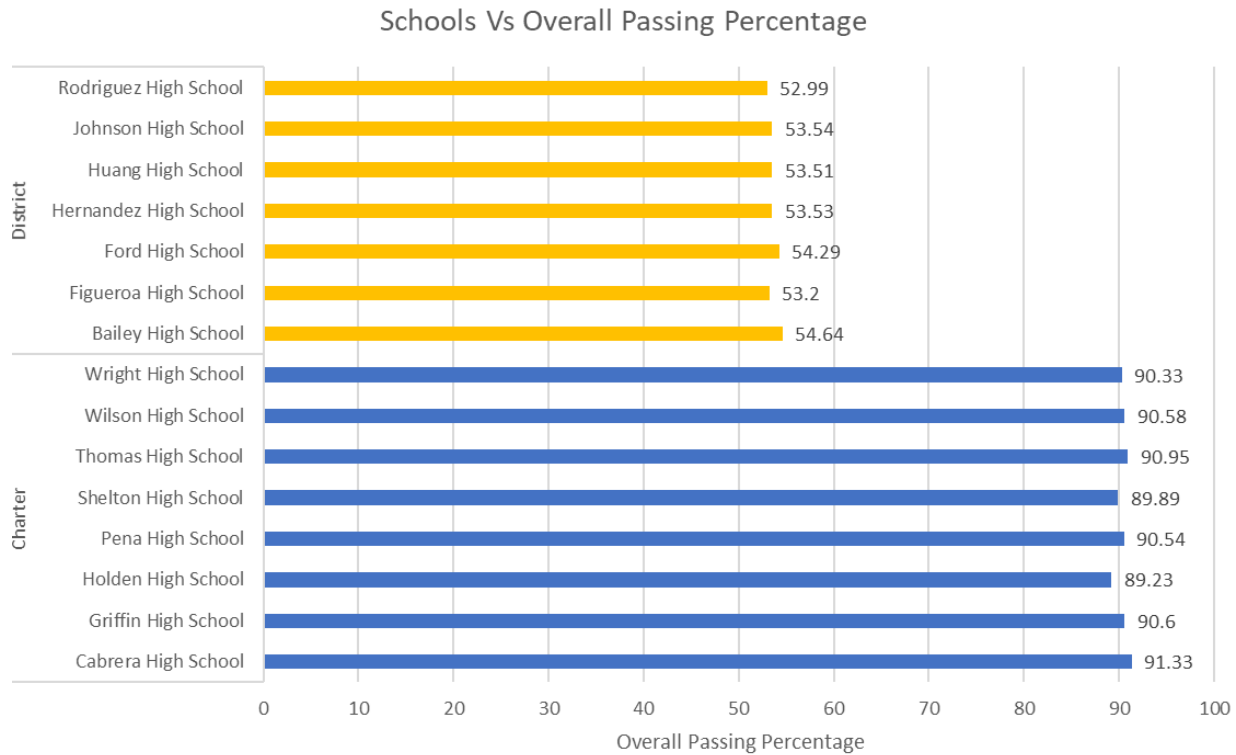# Analysis on PyCitySchools

Charter type of schools perform better than disctrict type schools

From the analysis of the PyCitySchools dataset it can be observed that the performance of students based on percentage passed in Math and Reading is more in Charter type schools than the district type.

The average of overall passing percentage for Charter type of schools is 90.4 where as for district type of schools it is only 53.67.
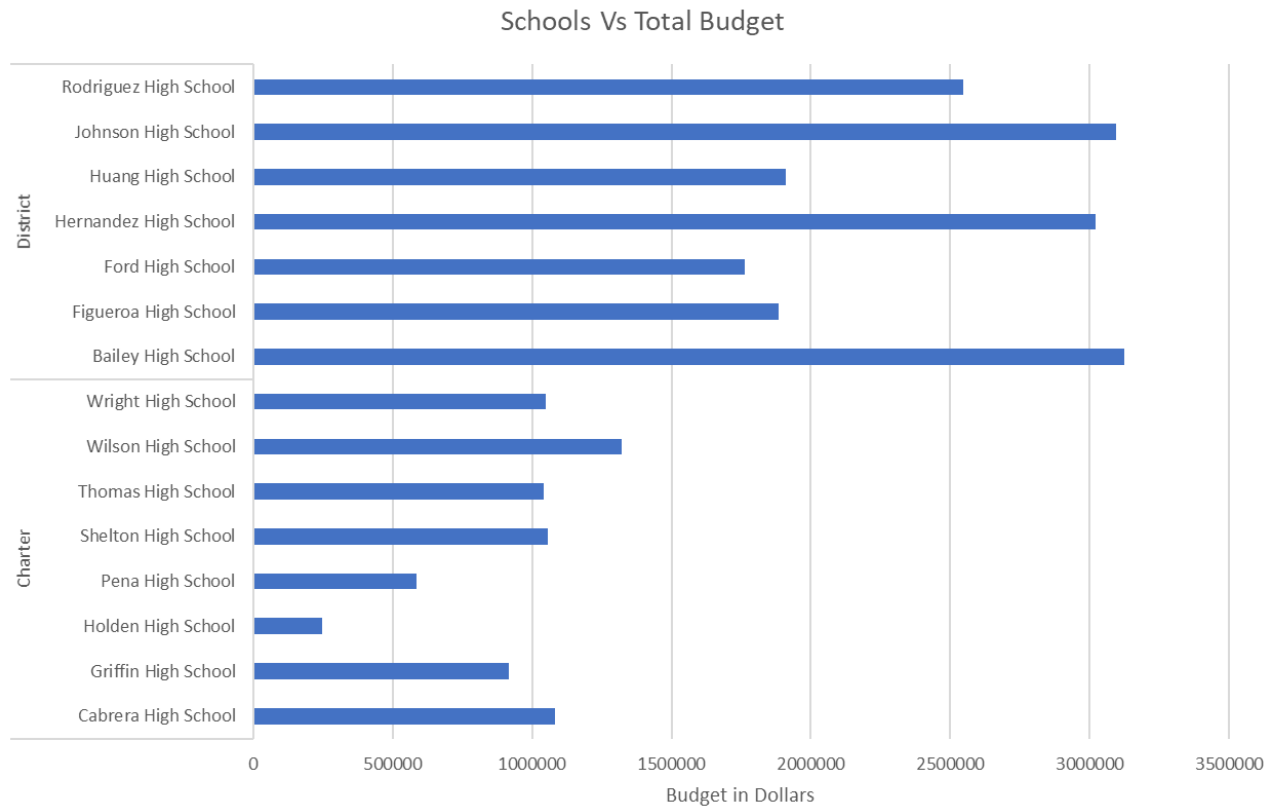
Schools Vs Overall Passing Percentage

Decrease in overall performance with school size

Although the buget allocated for the district schools is higher than the charter type of schools, the number of students in district schools(26, 976) is more than double the number of students in charter schools(12,194). This could be the reason for a lower percentage of passed students.

From the table below it can be observed that as the school sizes increase there is a decrease in the percentage of passing students.

School Size	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
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

Schools Vs Total Budget

Reading scores are better than Math scores across all schools.