**City Schools Analysis**

*District Summary*

Total schools: 15

Total students: 39170

Total budget: $24649428

Average math score: 79%

Average reading score: 81.9%

Percent of students passing math: 75%

Percent of students passing reading: 85.8%

Percent of students passing both math and reading: 65.2%

*School Summary*

Please refer to the table entitled “per\_school\_summary” in the PyCitySchools notebook for a breakdown of each school’s financial and performance data. The funding per school was proportional to the number of students attending, therefore per student budget was about $600 on average.

*Performance Data*

***Trends in School Performance Based on Overall Passing %***

1. The top 5 performing schools were all Charter Schools, and the bottom 5 were all District.
2. In high performing schools, both average math and reading passing rates are above 90%, with an average overall passing rate of about 91%.
3. In poorly performing schools, the worst passing rates were in math with an average rate around 65%, and an average overall passing rate of around 53%.

***Trends in Math and Reading Scores Per Grade***

1. Math and reading scores for any particular school tended to be unchanged across 9th-12th grade.
2. Reading scores tended to be higher than math scores regardless of the school.

***Trends in Scores by School Spending***

1. There was a negative correlation between per student spending and every performance metric.
2. The most dramatic negative correlations with per student spending is in the math and overall passing rates.

***Trends in Scores by School Size***

1. It is hard to determine a trend with only 3 categories of school size, but there was a dramatic drop off in performance metrics going from medium to large schools, the most dramatic of which was in math.

***Trends in Scores by School Type***

1. Charter schools outperformed district schools based on every performance metric.
2. The most stark difference between charter and district schools was in math performance, which was also reflected in overall passing rate.