Module 4 Challenge

**City School District Analysis**

Summary of the analysis

Complete analysis on a two data sets that were combined into one dataset. The first dataset contained school information, (School name, budget, size, and type) and the second dataset contained student name, gender, grade, school name, reading and math scores.

There are 15 schools within the datasets, and 39,170 students with a total budget of $24,649,428. The average test scores for the 15 schools in math is 78.9% and reading is 81.8% with an overall passing grade of 65.1%.

Two Conclusions on the Calculations

* It seems the budget per school does not have an overall impact of obtaining higher test scores however the smaller size of the school (less students) indicates higher test scores. Schools with 2,000 or less kids outperformed larger schools and achieved a 24% higher passing rate in math and a 14% higher passing rate in reading.
* It looks like charter schools outperform district in passing math by 27% and passing reading by 16%. This indicates students are more likely to pass reading and math at Charters schools versus District schools.