Module 4 Challenge – PyCitySchools Written Report

After analyzing the data, we were able to come to the conclusion that a higher school budget, or more money spent on student, does not necessarily mean there will be higher pass rates. Taking Figueroa High School and Wright High School, for example, Figueroa spent about $639 per student and Wright spent $583 – Wright High School had a significantally higher rate of overall passing (90.33%) compared to Figueroa High School (53.20%). Based on the grade of the student, these two schools also had pretty similar reading scores, and Wright High School even had better math scores based on the grade of students.

Reading: Math:

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Overall, we can see that overall passing rates are higher for low spending ranges (less than $630 per student) in comparison to schools that spend more than $630 per student.

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We do see a difference when we only base these numbers off school type (charter vs district). There is a significantly higher overall passing % for Charter schools (90.43% vs 53.67% District). Additionally, the size of the school, shows differences in overall passing percentage as well. Small and Medium school size is fairly similar, but Large school size is where the difference occurs. However, all of the district schools in this data set are all Large in size, so there is no Charter school (with a high student spend and larger school size) being factored into this calculation.

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