

The data based on schools\_complete.csv shows 15 schools in total, 39,170 students in total between all 15 schools, a total budget of 24,649,428 between all 15 schools. The average math score between all 15 schools is 79, the average reading score is 82. The overall pass rate between all 15 schools is 77.5. Huang High School has the lowest passing average math score at 63.32 and the school with the highest passing math score is Pena high school with an average of 91.68. The budget per student for Pena High school is 609 while Huang High school has an average budget of 655. Just from this comparison one might assume that having a higher budget per student might not equate to a higher pass rate. This can also be assumed if one was to look at the overall budget between the two schools. Huang High School had a budget of 1,910,635 for the entire school where as Pena had a total budget of only 585,858. However, based on further analysis it appears that Huang High school had a total of 2,917 students where as Pena high school only had 962 students which is almost 3 times the number of student present at Huang. This can show how a much bigger budget was needed for Huang highschool and shows a possibility that even with a larger budget the greater amount of students prevented each student from getting as much support. But this claim is subjective without further analysis.

Further analysis of the data shows all schools with less than 2000 students except one school (Wilson High School) had overall passing rates of 90% or higher. This tends to further support the belief that schools with lower student count have a higher passing rate. This is possibly attributed to a lower student count allowing for a greater level of teacher to student ratio. A higher teacher to student ratio might indicate that the level of student pass rate is attributed to a ratio where there are more teachers than students.