PyCitySchools Analysis/Write-Up

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1. By looking at scores by school spending, you can conclude that the less amount of money spent per student (< $615) yields a higher overall passing rate.
2. By looking at sores by school size, you can conclude that medium sized schools or smaller schools have better passing rates. Specifically, school sizes that have a student population of 2000 or less.
3. When evaluating math scores by grade, the 11th graders at Holden High School did the best compared to the rest of the other grades, and also compared to the rest of the other high schools.
4. When evaluating reading scores by grade, the 12th graders at Holden High School did the best compared to the rest of the other grades, and also compared to the rest of the other high schools.
5. The top performing school is Cabrera High School with an overall passing rate of 95.58 and a percent overall passing rate of 91.33.
6. The worst performing school is Rodriguez High School with an overall passing rate of 73.29 and a percent overall passing rate of 52.98.
7. By looking at bottom performing schools by passing rate, it is clear that District schools are the worst performing.
8. By looking at scores by school type you can conclude charter schools have better average reading scores, average math scores, and overall passing rates than district schools. Charter school success is also further solidified when looking at the top performing schools by passing rate.

Side Comment on the HW

* The 'STARTER' files calls for the by defining it as "Overall Passing Rate (Average of the above two)" key word average, however in the picture it shows the % Overall Passing rate which was confusing in terms of what the ask was. Thus I provide both the "Overall Passing Rate" and % Overall Passing Rate" throughout the homework. This is also commented out in the “FINAL” version of the script as well.