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Data Analytics and Visual BOOTCAMP

1. Summarizes the analysis (5 points)

2. Draws two correct conclusions or comparisons from the calculations (10 points)

1. As a broad summary of the data, I saw a trend that Charter Schools outperform District schools regarding % overall passing. A big reason being that Math understanding is significantly lower compared to those in Charter schools. This can be seen at the end of the Analysis as we have access to the average %passing in both math and reading and can see that District schools have a 27% difference in math and 16% difference in reading.
2. When looking at the Highest performing schools and Lowest performing schools. I was going to blame spending per student to be a direct correlation with performance but I was wrong. It seems as if the size of the classroom plays a bigger role. Looking at that columns you are able to see that Charter schools had an average of less than 2k students in comparison to District schools that made a majority of low performing schools with more than 29k students.

Another analysis that I came up with would be how consistent these schools are with having their students understand math and reading per grade. With more digging into the schools that bring down the average in math scores in District schools we can have a better idea as to what grade students are falling behind. As a math tutor I've experienced students that struggle to understand 8th grade math when they can't understand basic math skills that are gained in the 3rd grade. If we were to have extra data on previous years I would be able to group the students from previous year and have a better understanding if there's a clog at a certain grade when understanding of math or reading starts to decline. As this would give us a better idea as to how to fix the issue and see if spend and or class size is also attributing to the issue.