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Data Analytics Bootcamp

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Module 4 Word Doc

Analysis Summary

In this module challenge I analyzed a summary of student grades across a district of 15 high schools. I started with a district summary showcasing: Total Students, School Budget, Math and reading average grades, and overall passing rate of the entire district. I then went on to do the same thing except, showcase the same data for each specific school in the region as opposed to the entire district. I then went into the top 5 and bottom 5 performing schools in the district. Showcased the Math and Reading grade average per school in the district. Then did an analysis on the school spending, and the school size, showcasing which school budget and size is optimal for better grades. Lastly, I went into an analysis of the Charter and District schools showcasing their total students and grade averages.

Takeaways

1. It is obvious that Charter schools have better grades than district schools. This is showcased in “Scores by School Type” data frame. Charter schools have a lot higher of an average and overall passing rate than district schools do.
2. Reading scores are consistently higher than math scores in all schools in the district. This could mean that each school is not placing enough emphasis on teaching their students math adequately. More resources should be allocated to math teachings.