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Data Science Bootcamp

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PYSCHOOL ANALYSIS

We can see from that data that there are a couple of major factors that contribute to whether a school has a high overall passing percentage or not. The biggest immediately noticeable factor is the discrepancy between charter and district schools: while the Charter Schools have an overall passing percentage that ranges from 91-89, the District Schools have an overall passing percentage that ranges from 54-52. Budget did not affect the passing rates of these schools; for example, almost all the District Schools had higher budgets than the Charter Schools, yet they had lower passing percentages. I found that statistic to be very interesting, as I expected the Charter Schools to have higher budgets per student. Instead, 7 out of 8 of the highest budgets per student were District Schools. Another factor that may explain the discrepancy between Charter and District schools is school size. On average, District schools have a much larger population of students. The smallest District School is Bailey High School, which has 2739 students, meanwhile the biggest Charter School has 2283 students. I think this difference may also have an impact on the overall passing percentage of each school, as it could give preliminary insight into classroom sizes and student-teacher ratios between these types of schools.