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Pandas- Challenge

Written Report

After completing the analysis of tests scores, it is clear that certain characteristics of schools can play a role in students’ performance levels. One such finding is that according to grades, (9th, 10th, 11th, and 12th), scores in math and reading do not differ a significant amount per subject across all four years. But there are significant differences amongst types of schools, notably “Charter” schools have higher percentages in passing math and reading, whereas “District” schools’ scores appear to be significantly lower.

In addition, another compelling discovery is that “Spending Per Student” has potentially a reverse impact in students’ scores, as it appears that the lesser funded schools tend to have higher scores in all subjects than that of the well-funded schools. Furthermore, schools consisting of more than 2000 students score lower in math and reading.

With these findings, theories can be drawn on the impact of a school’s characteristics on performance levels and, as a result, more informed decisions can be made to better education.