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Challenge 4 (Pandas)

Written Report

School District Summary Analysis

The analysis provided many key observations concerning school district spending, overall passing rate of students and the difference of passing rates between grades.

Overall, the district has 15 schools with a total student population of 39,170 and a total budget of $ 82,932,329,558. 74% of students district wide are passing math while 85% are passing reading. Overall students who are passing both math and reading district wide is 65%.

The highest performing school, Cabrera High School, spent $582 per student. The lowest performing, Rodriguez High School, spent $637 per student. The top 5 highest performing schools were charter, while the bottom 5 performing were district.

Overall, average math scores by grade are lower than average reading scores by grade. However, between each grade (9,10,11,12) there is little variance on average grades earned.

According to the data, larger schools (2,000- 5,000 students) overall have lower average grades, passing rates for math and reading, and overall passing rates. While small to medium schools performed very similarly.

There are two main conclusions I have drawn from the data, spending more money per student does not always equate to higher average test scores or higher percent passing rates. Another conclusion is that test scores and average grades suffer as the total student population rises.