Penn Data Science Boot Camp

Module 4 Challenge – Report

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* Analysis Summary

This report analyses the district-wide standardized test results compared to a variety of school characteristics. The purpose is to showcase trends in school performance. For a high-level overview see the district summary below. The overall passing percentage per school ranged from 91% to 53% and the schools’ budgets ranged from $578 to $652 per student.

District Summary



* Performance Trends

Charter schools have a much higher overall passing percentage (90.4%) compared to district schools (53.6%). All the district schools are large (over 2000 students) and all but one of the charter schools are small (less than 1000 students) or medium (1000 to 2000 students). However, the overall performance does not seem to be connected to school size because Wilson High School, a large charter school, has an overall passing percentage (90.6%) in line with the rest of the charter schools.

A screenshot of a score

Description automatically generated

Spending per student is inversely proportional to overall passing percentage. The highest performing schools spent the least amount per student.

A screenshot of a graph

Description automatically generated