"PyCitySchools" Analysis Written Report

By Taylor Byrd

4/20/2024

The data set from PyCitySchools is an overview of information related to a sample of schools in the district and their performances on two types of standardized tests. This data set reveals how district and charter schools performed on standardized math and reading tests. The data provides information about the school type, size, budget, and test scores. There are also other minor data details such as student ID, student name, grade level, gender, school name, and school ID. In this data set there are 15 schools making a total of 39,170 students. The total budget used was $24,649,428. Around 75% of students passed the math test, while about 86% of students passed the reading test. The overall passing percentage was 65%. The top five best performing high schools were all charter schools. The five lowest performing high schools were district schools. Schools that spent $585 or less had higher test scores and passing percentages. Schools that spent between $645-680 had lower test scores and passing percentages. Most charter schools spent between $585-630 or less per student, while most district schools spent $630 or more per student. Schools that had 2000 students or less performed better on the standardized tests. Schools that had between 2000 to 5000 students had lower test scores. In conclusion, Charter schools of a small to medium size perform better on standardized tests. In addition, allocating more funds per student does not increase the likelihood of performing better on standardized tests.