Module 4 Pandas Challenge Written Report: PyCitySchools

Mysee Lee

Monday, August 19, 2024

# Conclusions

Small-sized high schools and medium sized high schools performed similarly in math and reading in terms of average scores, and percentages of students passing math, reading, and both.

Charter schools scored a higher average math and reading scores than district schools. Charter schools also had higher percentages of students passing math, passing reading, and passing both math and reading.

The bottom five performing schools are all district schools: Rodriguez High School, Figueroa High School, Huang High School, Hernandez High School, and Johnson High School. Their budgets range from $1,884,411 to $3,094,650. The total number of students range from 2,917 students to 4,761 students.

The top five performing schools are all charter schools: Cabrera High School, Thomas High School, Griffin High School, Wilson High School, and Pena High School. Their budgets range from $585,858 to $1,319,574. The total number of students ranges from 962 students to 2,283 students.

Seeing that the top performing schools are smaller charter schools budgeting between $578 to $638 per student, it brings into question the allocation of funds for school expenses of district schools where the bottom performing schools are budgeting between $637 to $655 per student. Areas to investigate include what are the practices of charter schools is leading to higher rates of passing scores in math and reading. This can include class sizes, class curriculum, quality of education or other factors, spending for extracurricular activities such as sports and clubs.

The scores may also not take into account the socio-economic backgrounds of the students’ attending charter schools versus those attending district school. Socioeconomic background and other factors may play a role and lead into an investigation of what social services and resources may promote education and learning in district schools to meet the needs of the students in order to perform.