PyCitySchools Analysis

Summarizes the analysis:

In PyCitySchool data, these schools are affected by different factors and variables which involves to get the better performance of their students.

To get the accurate knowledge and result about school’s accomplishment in grading of students we execute some calculations. We create two DataFrame.

1. District Summary
2. School summary

District Summary:

* Calculate the total number of schools
* Calculate the total number of students
* Calculate the total budget
* Calculate the average math score
* Calculate the average reading score
* Calculate the overall passing rate (overall average score), i.e. (avg. math score + avg. reading score)/2
* Calculate the percentage of students with a passing math score (70 or greater)
* Calculate the percentage of students with a passing reading score (70 or greater)
* Create a dataframe to hold the above results
* Optional: give the displayed data cleaner formatting

School Summary:

Create an overview table that summarizes key metrics about each school, including

* School Name
* School Type
* Total Students
* Total School Budget
* Per Student Budget
* Average Math Score
* Average Reading Score
* % Passing Math
* % Passing Reading
* Overall Passing Rate (Average of the above two)

Overall, the factor “type” of charted create a drastic better performance in grades of students rather than district schools.

Moreover, the smaller budget variable by per students have higher grades then the large budget per students.

Conclusion:

1. The range of less than $585 and $585-$630 per student budget demonstrate the slightly sharp effects in math average , reading average and also in overall average score. As well as we can determine this variable direct proposition to percentage of overall score.
2. The smaller span of school size e.g. small than 1000 and 1000-2000 draws out-rated performance comparatively the large school size.

In conclusion, the more number of analysis is essential to obtain if these factors and variables are effect the school’s practice and also smaller number of student may effects the result in high performance in different type and also in per student budget. Or may be the sample of population is not enough to draw an accurate analysis.