PyCitySchool Written Report

In summary, we analyse the following:

1. Overview of the local government area metrics, which are:
   1. Total number of schools
   2. Total number of students
   3. Total budget
   4. Average math score
   5. Average reading score
   6. Percentage of students passing maths
   7. Percentage of students passing reading
   8. Overall passing rate
2. Top 5 Performing School
3. Bottom 5 Performing School
4. Math Scores by Year
5. Reading Score by Year
6. Scores by School Spending
7. Scores by School Size
8. Scores by School Type

Following the analysis, we can draw 2 conclusions which are:

1. Overall, Independent school achieve a higher overall passing grade compared to government schools. The analysis of the highest and lowest performing schools, we can see that 3 of the 5 top schools were independent schools and the 4 of the 5 bottom schools were government schools. This suggests that the difference between independent schools and government schools is the teaching environment. Independent schools do not follow a set education program therefore the system is more robust for students to learn.

2. A higher budget does not correlate to an increase performance in grades. From the analysis, we can see that there is no correlation between budget and School scores. In fact, the performance decreases as the budget goes up. This suggest that other factors are in play for the decrease performance for example educational programs (independent vs government), student interest in the topics etc.