**Module 4 Challenge – PyCitySchools – Data Analysis**

The data from 15 Schools different schools with a total of 39,170 students was analysed with a view to look at:

* Average Maths Scores
* Average Reading Scores
* Percentages passing Maths
* % Passing Reading
* Overall % Passing
* Averages and % by year level
* Budget
* School Size
* School Type

The overall passing % ranges from 81% to 66% with an average of 72%. Schools with a lower student count tend to have better passing percentages than schools with a higher student count and same can be said for budgets which generally follows the same trend as student counts. When it comes to school type independent schools have a slight edge but the difference from government schools is negligible.

The percentage of schools passing maths tends to be better than percentage passing reading in almost every school no matter the size or budget and across year levels there is no real difference in passing percentages for each school.

Overall, the major takeaway point from all the data is schools with a lower student count and lower budget tend to do better than schools with a higher count and thus higher budget.