Module 4 Challenge – analysis

The dataset analyses a total of 39,170 students across 15 schools. The total student average maths score is 70.34% and the average reading score is 69.98%. Of the total 15 schools, 7 of these schools are government funded and 8 of the schools are independently funded.

The government funded schools all have a higher student count (between 2,739 to 4,976 students) than the independent schools (between 427 to 2,283).

When taking a closer look at the results we can see that:

* Independent schools have a higher overall passing rate at 76.973% than government schools at 70.968%
* Small & medium schools have a higher overall passing rate at 78-79% than the large schools at 70%
* The schools with a lower budget per student (under $630) have a higher passing rate at 76-80% than those schools with the highest budgets ($645 - $680) at only 66 - 67%
* In the bottom 5 schools, 4 of them were government schools
* More students are passing maths than reading, with the LGA summary showing % passing maths at 86.076% compared to reading at 84.426%

What we can conclude here is:

* Having a higher budget per student doesn’t not yield better results
* Independent schools outperform government schools