Written Analysis Report

This report provides a detailed analysis on Schools and Students data from 15 schools under a local government area. The data is analysed based on school’s type, size, total students, budget, average scores for maths and reading, percentage of maths, reading and overall passing. Finally, the students’ scores are analysed based on individual school budget, size and type.

***School Summary***

There are 15 schools with 39170 total students and $24649428.00 cumulative budget. According to the analysis done, average maths score and percentage of students’ passing maths test is higher than the average reading score and percentage of passing reading students’ number.

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| **Total Schools** | **Total Students** | **Total Budget** | **Average Maths Score** | **Average Reading Score** | **%Passing Maths** | **%Passing Reading** | **%Overall Passing** |
| **15** | 39170 | $24,649,428.00 | 70.338192 | 69.980138 | 86.078632 | 84.426857 | 72.808272 |

***Individual School Summary***

Individual school summary is done by analysing student’s maths and reading scores. The schools budget differs according to the size of the schools; however, it is evident that the number of students in Government Schools are significantly higher than the Independent Schools. The per student budget is relatively similar for Government and Independent Schools.

***Top Performing Schools***

The top 5 performing schools are calculated by overall passing rates and among them three schools are independent schools.

***Bottom Performing Schools***

The bottom performing schools are also based on overall passing rates. It is surprising that among bottom performing schools 4 of them are Government Schools.

***Maths Score By Year***

The maths scores in Year 9-12 are ranged between approximately 68% to 75%.

***Reading Score By Year***

The reading scores in Year9-12 are ranged between roughly 67% to 72%.

***Scores By School’s Budget***

From the scores compared by school’s budget identifies that, budget does not increase the overall passing rate. The schools with highest budget per student have the lowest overall passing rate.

***Scores By School’s Size***

On the contrary to the scores by budget, the size effects the students’ overall passing rate. The schools who have least number of students in the data list have the highest overall passing rate.

***Scores By School’s Type***

It is prominent from the overall analysis that the students from the Independent Schools perform better. However, it should be emphasized that Independent Schools have lower number of students and that can be a reason for higher passing rates. Moreover, it is also found that the Independent Schools have higher average scores for both maths and reading.

***Conclusion***

The following conclusions can be made from the analysis:

* In my opinion, the performance the of students should be analysed based on average maths and reading scores. According to my observation the size of the school’s effects most on student’s performance. Therefore, the smaller sized schools have the highest average scores in maths and reading.
* It can be concluded from the analysis that higher budget necessarily does not impact on students’ performance. In this analysis, it is shown that the overall passing rate is lowest among the highest per student budget group.