Written Report

1. Summarises the analysis.

We have conducted an analysis for 15 schools and use different factors to analyse and test for the results. The key factors are, school type, students number, school budget, maths score, reading score and passing rates.

In local government area summary analysis, we knows that rate of passing maths(86%) are higher than rates of passing reading(84%). Well, even though passing rates are high, the average maths score is 70.33% and average reading scores is 69.98%. Overall passing rate is 72.80%.

In school summary analysis, top 5 performing schools based on their overall passing rate are Griffin High School(81.33%), Cabrera High School(80.78%), Bailey High School(80.08%), Wright High School(79.72%) and Rodriguez High School(79.41%).

Based on the analysis, bottom 5 performing schools based on their overall passing rate are Hernandez High School(66.36%), Huang High School(66.71%), Johnson High School(67.19%), Wilson High School(67.45%) and Ford High School(67.46%).

In the analysis of scores vs school spending, it shows that rate of passing maths is the highest (91.52%) in spending range of $585 -$630 compared to other ranges. The lowest passing rates in both maths and reading is in spending range of $645 -$680 with overall passing rates of 66.76%.

And also, if we see the analysis for the maths score vs the school type, passing rates in maths of Independent schools(89.20%) are higher than Government schools(84.46%).

1. Draws two correct conclusions or comparisons from the calculations.

In conclusion, independent schools students have a higher passing rates in maths and reading compare to government schools students. Which independent schools students have 89.20% passing rates in maths and 89.20% passing rates in reading and 76.97% passing rates in both. While government school students have only 84.46% passing rates in maths and 83.58% passing rates in reading and 70.69% passing rates in both. We can also see the bottom performing schools summary that we have, there are 4 out of 5 in the bottom 5 performing schools summary are Government schools. After testing all the factors, maths passing rates always higher than reading passing rates.