**Homework Task 4: Analysis**

**Conclusion 1:**

For this particular district, the data shows that students in Charter schools outperformed those in District schools on a standardised test targeting Maths and Reading skills.

When the fifteen schools in the district are ranked by the percentage of their students who passed BOTH Maths and Reading on this standardised test, the eight Charter schools occupy the top 8 positions. On average, 90.43% of the children in a Charter school passed both disciplines on this round of testing, as compared with 53.67% of their counterparts in District schools.

93.62% of students in a Charter school passed the Maths competent of the test, compared to just 66.55% in District schools. (A difference of approximately 27% of their respective cohorts.)

There was a slightly less pronounced deficit in Reading performance on this test with 96.57% of Charter schools passing as compared to 80.80% in District schools. (A difference of approximately 16% of their respective cohorts.)

(Note: Passing means recording a score over 70 on a particular test.)

**Conclusion 2:**

The amount of money a particular school in this district budgeted per student was inversely proportional to the percentage of students that passed both components of the standardised test. The same trend was observable when Reading and Maths scores were analysed separately. The more a school budgeted, the lower both scores were. The drop off in test performance was starker in Maths scores than it was Reading scores when compared with school investment per child.

**Conclusion 3:**

The larger schools in the district appeared to perform worst on this round of standardised testing. Small to medium-sized schools, that is those with less than 2000 students, saw similar levels of success to one another in terms of both Maths and Reading performance. Larger schools, however, faired significantly worse. On average, 58.29% of their students passed both disciplines as compared to approximately 90% of students in small to medium sized schools.