**Written Report**

We can see the new Chief Data Scientist for the local government area in the first Data Frame, which is the name government summary. I calculated total schools, total students, total budget, Average maths and reading scores and % passing maths, reading and Overall passing. government\_summary Data frame shows crucial information high–level snapshot of the local government areas.

On the other hand, in the second Data Frame, the name school\_summary\_df summarises key metrics about each school which can be seen as school type, total students, total school budget, per student budget, average maths and reading score, % passing maths and reading and overall passing.

On the other hand, we can see the top 5 rows performing school by % Overall Passing which is the name top\_performing\_df Data Frame and the bottom five rows performing by % Overall Passing which is the nameworst\_performing\_df Data Frame.

In the fifth and sixth Data frame, which names maths\_score\_df and read\_score\_df we can see a list of the average maths and reading scores for students of each year’s level (9,10,11,12) at each school.

On the spending\_summary\_df Data Frame, we can see average spending ranges per student in different groups at $585 to $680.

On the size\_summary\_df Data Frame, we can see performance based on school size as small, medium, and large.

The type\_summary\_df Data Frame show school performance based on the school Type as government and independent.

In conclusion, the Data Frame shows crucial information on scores by school spending per student in the range of $585-630 the %passing Maths is maximum than the %passing of reading, which we can see the average maths is 72.07; Also, we can see on independent school is biggest in maths score but the government school the low average is in reading score.

In general, can be seen that Bailey Hight Scholl is the maximum in total school budget probably, it is because have the maximum total of students.