**PYCITY SCHOOLS ANALYSIS**

The total number of students covered in this analysis was 39170 while the total budget for all schools in this city is $24649428. The mean Math and Reading scores were approx. 79 and 82 out of a possible 100 points. 75% of students passed Math while 86% passed Reading whereas 65% of total students passed both reading and mathematics. Bailey high school had the highest number of students while Holden high school had the least number of student count. Coincidentally, Bailey high school received the highest budget throughout the city while Holden high school received the least budget. Schools with mid to high spending budgets did not necessarily stand out in terms of performance. For instance, schools within the highest budget ranges (i.e., $645 – 680) had the overall lowest number of students that passed both Math and Reading (53%) compared to schools with smaller budgets (< $585). The low spending schools had an overall passing rate of 90%. The higher overall passing rates of smaller spending range schools are attributed to the higher success observed in Math (93%) and Reading (97%). Interestingly, large sized (2000-5000) schools also had the least overall passing grades (58%) compared to medium sized school (1000-2000) and small sized schools (<1000) with an overall passing rate of 90% and 91%, respectively.

Charter schools ranged between medium to small sized while the large sized schools were the majorly the large sized schools. Overall, charter schools outperformed district schools with an average Math and Reading score of 83.4 and 83.9 respectively out of a possible 100 points. Approximately 94% of students under charter school type passed Math compared to 67% in the district schools. Similarly, about 97% of total students in the city passed Reading in comparison to 81% within the district schools. It was therefore not surprising to observe a higher overall passing (i.e., in both Math and Reading) in the charter schools (90%) compared to the public district schools (54%). Thus, it could be concluded that the out-performance of charter schools compared to the public district schools across all metrics could largely be attributed to the observation that charter schools tend to serve smaller student populations per school.