# Report on PyCity Schools

# Summary

In this assignment, based on the student and school data provided to us, we did some major analysis namely *“District Summary”, “Per School Summary”, “Highest and Lowest performing schools”, “Scores by School spending”, Scores by School size” and “Scores by School type”.*

Based on the above analysis we can summarize that Charter schools are performing academically better than District schools even with lower budget per student. Out of 15 provided schools, top 8 schools are all charter schools and rest 7 are all district schools. We found that the best performing school is *“Cabrera High School”* which is a Charter school and worst performing school is *“Rodriguez High School”*, which is a District school, after comparing provided 15 schools data.

We also found that the large size schools are performing significantly worse (~58% overall passing) than small and medium size schools (~89-90% overall passing). Additionally, high budget schools are performing significantly worse (~53% overall passing) than lower budget schools.

We can finally summarize that charter schools with medium size and low budget are performing the best among the provided schools.

# Conclusions

* After comparing overall passing percentages of student between Charter and District school, we can conclude that all the Charter schools are performing better (90% overall passing) than District schools (53% overall passing).
* After analyzing Spending Ranges Per Student and overall passing percentages of the student, we can conclude that schools with lower per student budgets (>$585) are performing better (~ 90% overall passing) than schools with higher budgets per student ($645-680 and ~53% overall passing).