**Pandas Challenge Report**

**PyCitySchools**

Description of observable trends based on the data:

1. Based on overall %passing rate in schools there are two major groups of ~95% passing rate vs. ~74% passing rate, while medium-performing levels were not found, (such as 80-85%), mostly due to students’ low grades or failure in math within the second group. In addition, first group of schools with the highest performance level was found within the Charter type of schools, having significantly smaller school sizes.
2. Schools with lower budget per students showed the highest overall %passing rate of students; while schools with the highest budget per student showed the lowest students’ performance. Although, this may suggest effects of other factors involved, such as large size or other social factors in district schools vs. charter schools.
3. Clearly, the smaller the school the better the students’ performance, based on the overall %passing rate.
4. Clearly, Charter schools are significantly better performers vs. District schools, based on the overall %passing rate.