**PyCitySchool Analysis**

The analysis done in PyCitySchools\_starter.ipynb seeks to find insights about PyCitySchool District, a district that contains 15 schools varying in size, type, and budget. The analysis starts by summarizing the district as a whole (Total Schools, Total Students, Total Budget, Average Scores, and Average Percent of Students passing Math, Reading, and Both). It then provides a similar summary, but for each school individually. After this overview, the script dives into a series of interesting comparisons including:

* Highest-Performing Schools (by % Overall Passing)
* Bottom Performing Schools (By % Overall Passing)
* Math Scores by Grade
* Reading Scores by Grade
* Scores by School Spending
* Scores by School Size
* Scores by School Type

Many conclusions can be drawn from the DataFrames created by PyCitySchools\_starter.ipynb, but I’ll only point out a couple of conclusions that stand out to me.

* Small and medium schools (schools with either less than 1000 students and schools between 1000 and 2000 students) had comparable percents of students passing math, and reading, but large schools (schools with between 2000 and 5000 students) paled in comparison.
  + The percent of students passing math and reading at large schools was about 58%
  + The percent of students passing math and reading at other schools (small, medium) were about 32% and 33% higher respectively.
  + This is in spite of the fact that the average math scores for all schools only varied from 77.7-83.3 and the average reading scores only varied from 81.3-83.92.
* The three schools with the highest spending per student were Hernandez High School ($652), Huang High School ($655), and Johnson High School ($650), all of which are schools greater than 2000 students. Despite having the highest spending per student, none of these schools had an overall passing percentage higher than 54%. Many of the smaller schools with lower spending per student showed much higher student success. This begs the question: How is the Total School Budget being distributed at the larger schools compared to small schools?