The raw csv file gives a list of students, their grades, gender, the schools they go to and their scores on different exams. The district has a total of 15 schools, where overall 65 percent of the students pass their exams. The total district budget is 24 million dollars. When dividing the data by school we see that the best performing schools (based on overall passing percentage) are charter schools, and the worst performing schools are district schools. Later we distribute the math scores by school and grade, same with the reading scores. We see that the best performing grade and school in math is the 11th grade class of Pena High School. The best performing grade and school in reading is the 12th grade class of Holden High School. We then grouped the data by spending where we see a positive correlation between the total number of students and the total budget of the school. Combining what we know of the budget and scores we see that the schools that spend more money per student get more. Furthermore, the best size for a school is medium as they have the highest overall passing percentage. Finally, the best school type would be a charter school as they have best scores across all categories than the district schools.

Two Conclusion:

First, District schools seem to be larger as a whole with most of them being in the large category, they seem to have less money per student and that hinders their students performance in tests. Second since charter school are smaller in the medium and small category, they can allocate more money per student and that gives them better test results.