Week 4 Analysis:

Summarizes the analysis (5 points):

The two datasets provided give us information about a number of high schools and the students who attend those institutions. The analysis conducted was primarily targeted at assessing the pass/fail rates of students by school, and the corresponding per-student spending at these schools.

Importantly, these schools vary not only in budget or attendance, but by whether or not they are charter or district schools. This allows us to assess, at a surface level, which factors may impact the education outcomes of students (district v charter, funding, school size, etc)

Draws two correct conclusions or comparisons from the calculations (10 points):

1. The information provided indicates that students at charter schools substantially outperform students who attend district schools. The number of students who passed math and reading at charter schools is approx 90.4%, while students at district schools only passed math and reading 53.7% of the time.

2. Curiously, while one might assume that increased spending would have a positive outcome on student performance, on schools which spent less than $585.00 per student.

*** Continued Analysis ***

While we can recognize the correlation of spend-per-student, it is important to understand that additional analysis might be needed to confirm this hypothesis, other factors (population, school type) may also impact outcomes. For example, schools with populations under 2000 fared substantially better than those of 2000+.