Homework #4 Analysis

1. The data shows a definitive trend of schools that spend more money on each student with lower passing rates than those that spend less per student. This could possibly be linked to socioeconomic factors, as schools with a high percentage of low-income students are required by federal law to provide monetary services such as free lunches.
2. Schools with large student bodies (2000-5000 students) have significantly lower overall passing rates than schools with fewer than 2000 students. This is likely attributed to the fact that smaller schools can provide students with more attention and support, as they often have smaller class sizes and lower student to teacher ratios. Despite this, large schools perform decently on reading examinations, with an 82.75% pass rate compared to a 69.99% pass rate for math. This could be an indication that public schools are not putting enough of an emphasis on STEM related subjects.