Written report on Pandas-challenge

Based on the data about the schools in the district, the following have been observed:

* The average reading score is higher than the average math score
* On average regardless of the type of school the students have a higher passing percentage in reading than they do math
* District schools have a lower passing percentage across the board (in math, reading and both subjects) than charter schools
* The top schools in the overall passing percentage are all charter schools
* The lowest schools in the overall passing percentages are all district schools
* The average scores within the schools per grade for math were around the same despite the change in grades
* The average scores within the schools per grade for reading were around the same despite the change in grades
* Schools with less than 2000 students have higher average scores and higher percentages of students passing both subjects
* Schools with a budget per student of less than $630 have significantly higher overall passing rates than those greater than $630.

Two conclusions about the calculations:

1. Schools with more than 2000 students achieve better grades in the studied subjects. This would indicate that a smaller school size may provide greater focus individually from the respective teachers.
2. Charter schools have better grades which indicates that the charter school model may be the better of the two school types.

(N.B. There may be other external factors which may lead to these observations and conclusions).