Nou’s Observations/Findings

Basic Data Counts:

* 1000 total student records (each having one Math, one Reading, one Writing score)
* Parental Education
  + Some high school – 177
  + High School diploma – 215
  + Some college – 224
  + Associate degree – 204
  + Bachelor's degree – 105
  + Master's degree – 75
* Lunch Type
  + Free/reduced lunch – 340
  + Standard – 660
* Test Prep Course
  + Completed – 344
  + None – 656

Average Exam Scores

* Students with parents who completed only some high school consistently have the lowest average exam scores for Math, Reading, and Writing
* No apparent trend for the highest average scores in relation to parental level of education as Associate’s degrees have the highest Reading average, Master’s have the highest Math averages, and Bachelor’s have the highest Reading averages.
* Students with standard lunch feeds have the higher overall average exam scores compared to students who have free/ reduced lunch
  + Math: 71.88% (standard) | 59.90% (free/reduced)
  + Reading: 72.82% (standard) | 65.64% (free/reduced)
  + Writing: 71.67% (standard) | 64.24% (free/reduced)
* Test Prep Course: Students who complete a test preparation board consistently have higher exam score averages compared to students who did not take a test preparation course.

Count of Failing Exam Scores by Parental Level of Education 60% or below

* Those with a Master's degree level of parental education consistently have the least failing scores across all three exam subjects. Second to that are those with a Bachelor's degree level of parental education and an Associate's degree in third place for having the least amount of failing exam scores.
* Those who did not complete a test preparation course significantly had more failed exams than those who did complete the course.
* No significant trend here for failed exam scores based on lunch type as those with standard lunch fees had more failed Writing exams scores whereas students with free/reduced lunch had more failed Math and Reading scores.

Count of ‘A’ Letter Grade Exam Scores by Parental Level of Education

* Students with an Associate degree for parental level of education consistently have the most A letter grade counts for Math, Reading, and Writing subjects.
* Students who completed a test preparation course scored more A’s in Reading and Writing but not in Math.
* Students with standard lunch fees significantly received more A exam scores in all subjects.