Potential Data Science Idea: Build a school model that helps the students to acquire lunch if they can’t afford it and see how that plays a factor in the grades of the students. Data analysis and visualization is key to understanding the dataset with visualization the dataset is easier to see.

Potential Data Science Idea: A model that shows how incentives affect the student’s attitude towards taking the test preparation course and how it has a positive impact on the test scores.

Conclusion: this report shows how the gender, race/ethnicity, parental level of education, lunch, and test preparation for the course of the student affect their performance in their exams. The cases and comparison between the data or variables is used to show how each of the dataset affect the students grades and possible solutions and recommendations to help the students achieve better grades.

From the graphs and data, it can be seen that females perform better in writing and reading while males perform better in math. Students who have highly educated parts tend to perform better on test, students who generally have standard lunches perform better in school due to the level of energy that they get from there food as opposed to the students that don’t have a standard meal and students that take the test preparation courses can be said to do better on the test because they are better trained with the resources to help them understand the course material.

In future works we are interested in working on other ways to positively impact the students test scores with standardized lunches for all the students and encouraging the students to take the test preparation courses.