1. **Introduction**

   One of most important subject in school is math. What I want to do is check whether other variables influences student's math score and if is possible predict the student math score.
   Can parents background, test preparation or lunch influence the students performance?
   Other interesting questions can be asked, like:
   - Is effective the test preparation course?
   - Which major factors contribute to test outcomes?
   - What would be the best way to improve student scores on each test?

   Understand this question schools and teachers can do more efective actions to obtain better results with students.

2. **Data**

   I will use a kaggle dataset (https://www.kaggle.com/spscientist/students-performance-in-exams).

   This dataset have 8 columns:
   - gender (male or female)
   - race/ethnicity (groups A, B, C, D and E)
   - parental level of education (some high school, some college, high school, master’s degree, associate’s degree or bachelor degree)
   - lunch (free/reduced or standard)
   - test preparation course (none or completed)
   - math score
   - reading score
   - writing score

3. **Methodology**

   The first step is the data exploration to understand the data, checking missing data and data balance. Next I will verify if exists any relationship among features and math score.

   Then I will try predictive models to identify a student’s math score and identify features that more influences the math score.