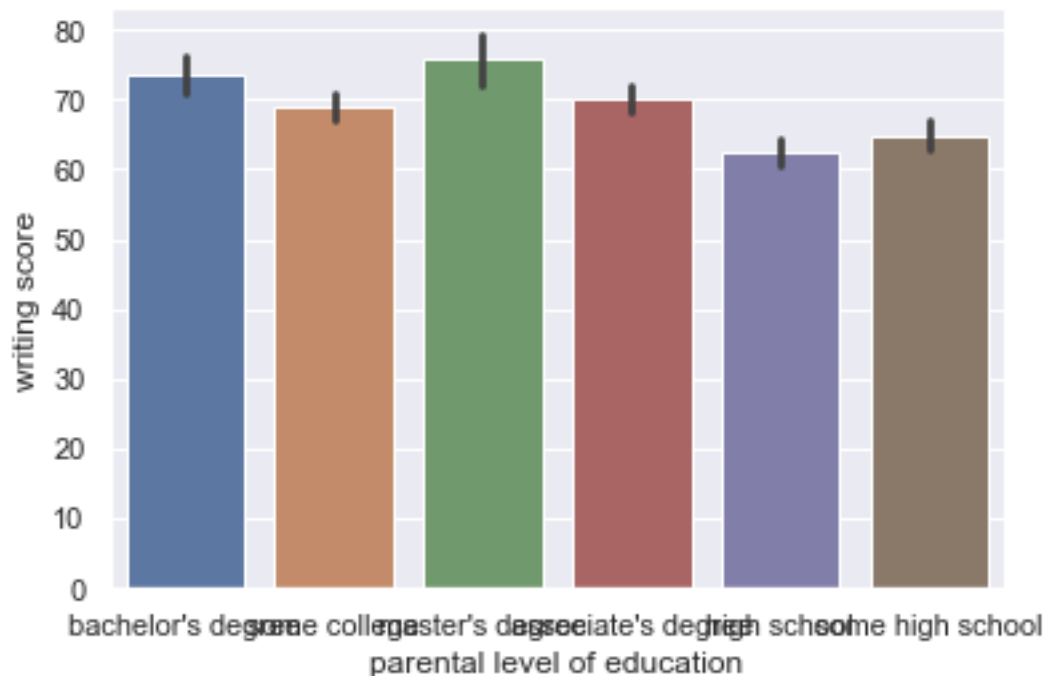
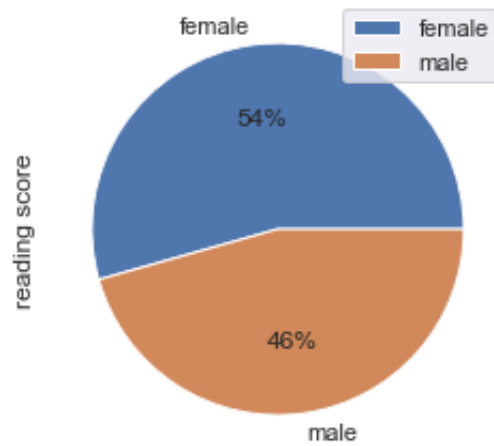


Principles of Data Science
Assignment 1

2. Visualization explanation

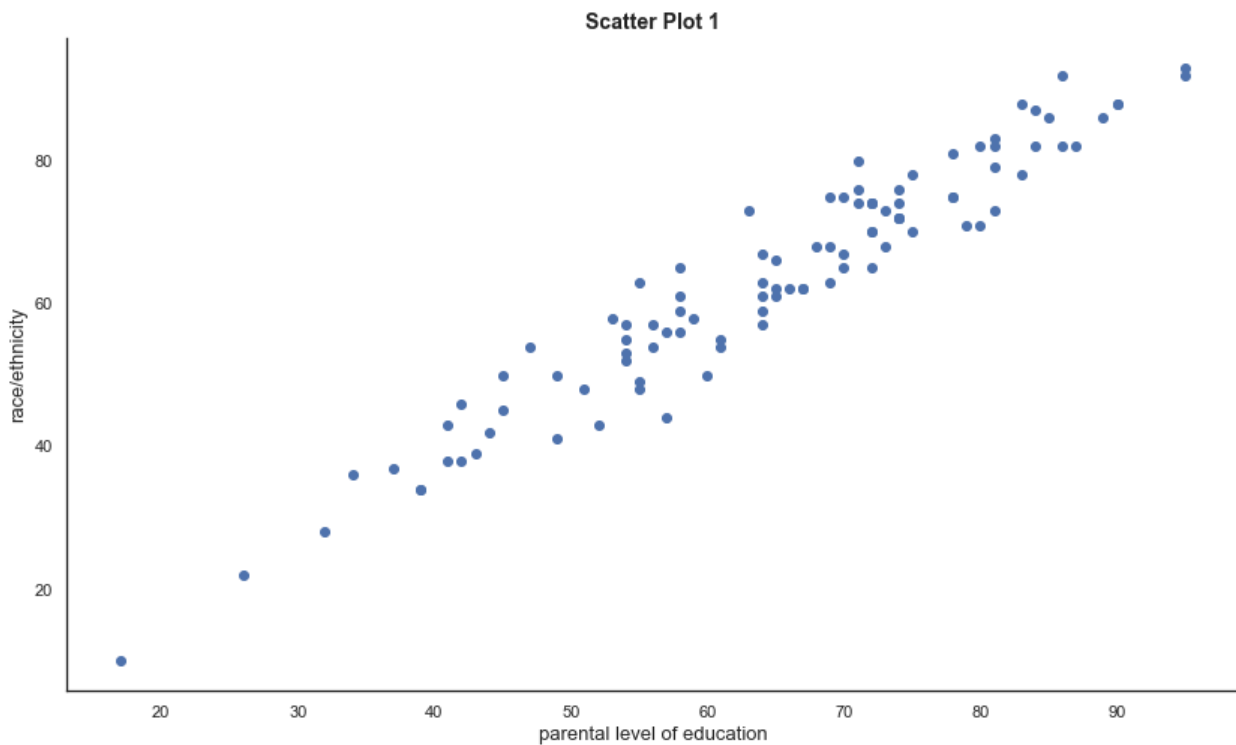


The above bar graph has analyzed and visualized parental level of education on the x axis and writing score on the y axis and the result that has narrowed down to having highest writing scores of students whose parents have a masters degree and the lowest writing score students parents have high school degrees.

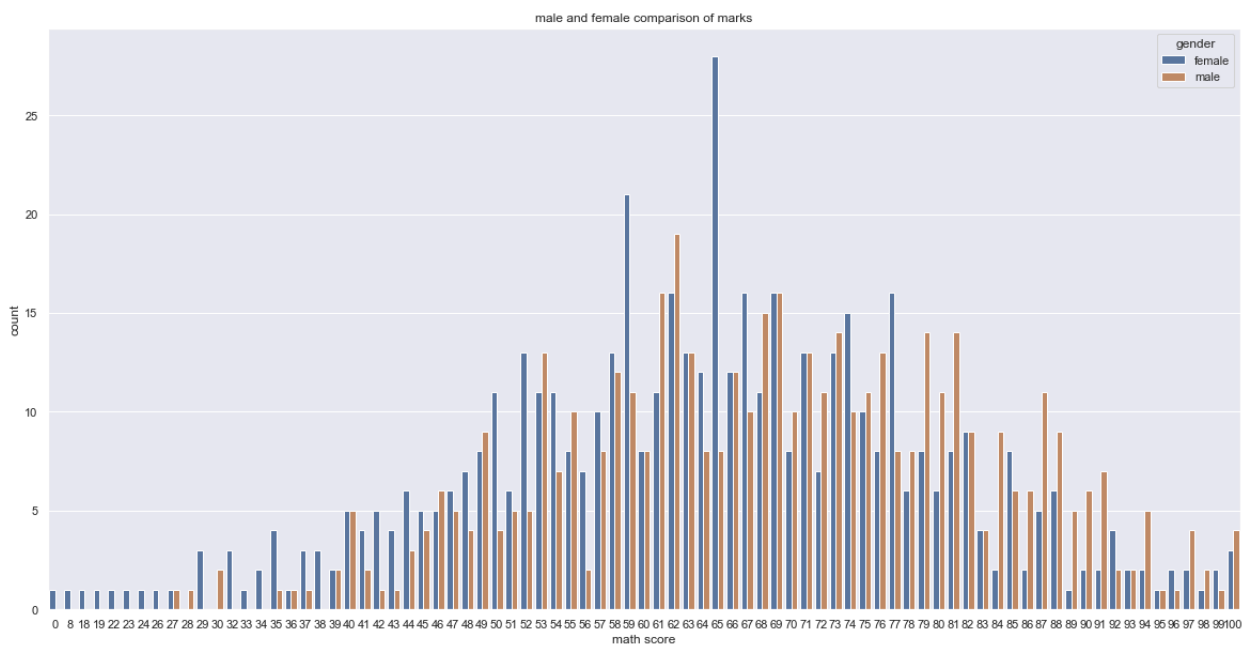
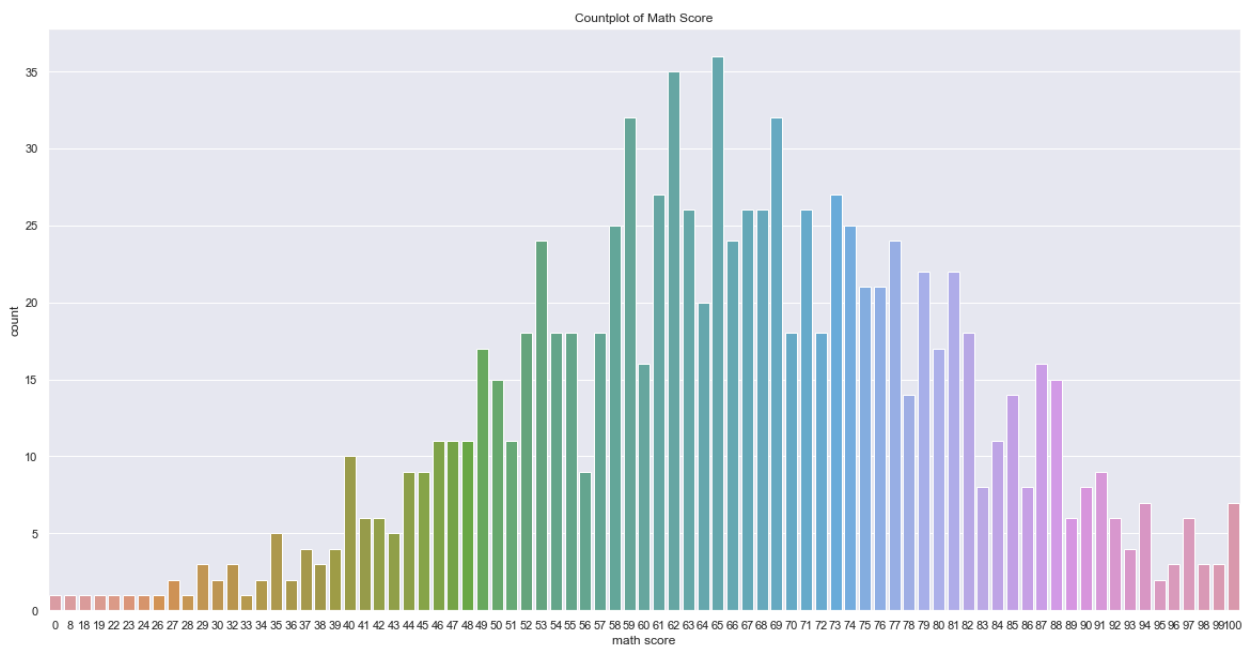


The above is an pie chart representation where it is analyzing the percentage of students that is male and female reading scores from the dataset, the result of this representations clearly depicts that female students have higher scores in reading than male students.

The below scatter plot depicts the analysis of parental level of education with regards to their ethnicities.



The below graph showcases the analysis of the range of math scores of all the 1000 entries of students in the data set



The above graph is the comparison analysis of male and female students based on their math scores.