Prove 13: Student Performance

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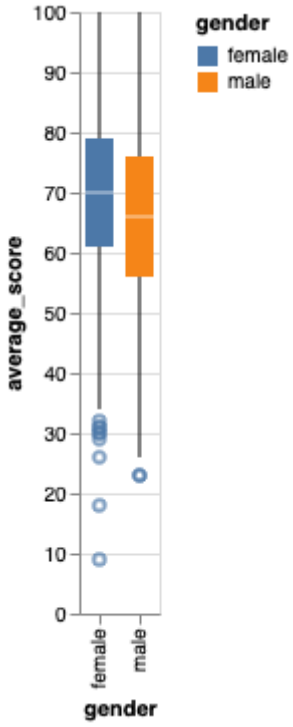
Background

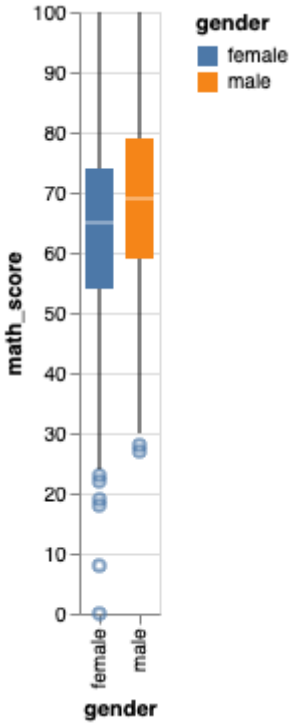
For this project, I decided to do a data analysis on a dataset I found on Kaggle.com to better understand what factors play into a students test performance. The dataset provides information such as gender, race/ethnicity, their parent's level of education, and how they scored in different academic areas.

Graphical Summaries

In order to better understand and analyze the questions I hoped to answer through this analysis, I made the following plots

Question 1 Box Plots

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male
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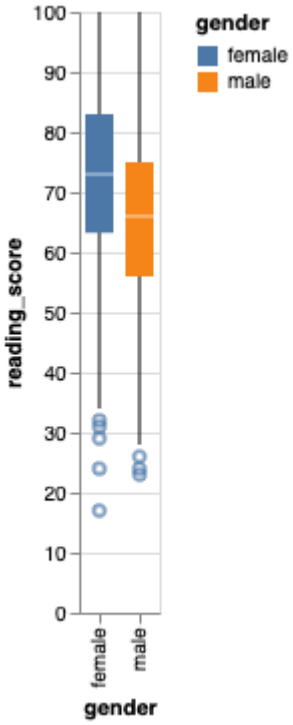
90
80
70
60
50
40
30
20
10
0
math_score
female
male
gender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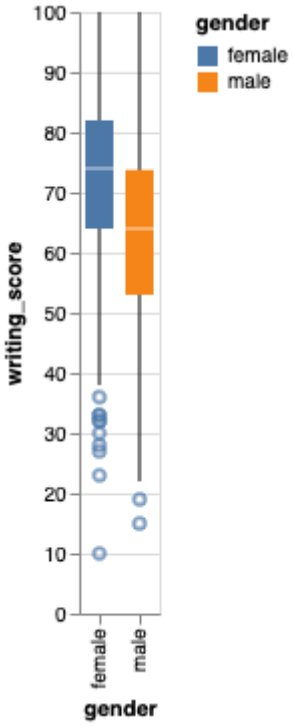
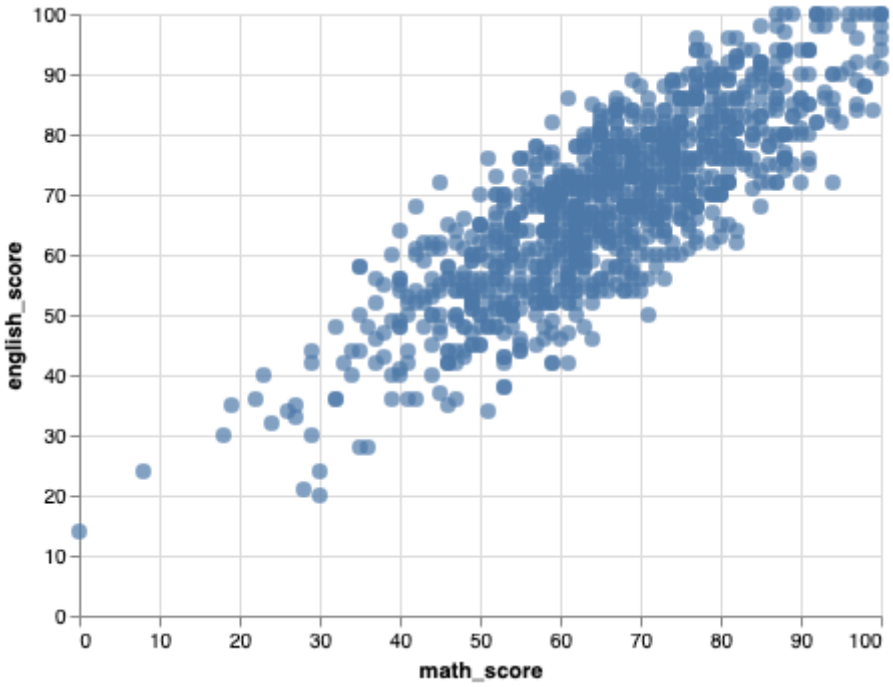
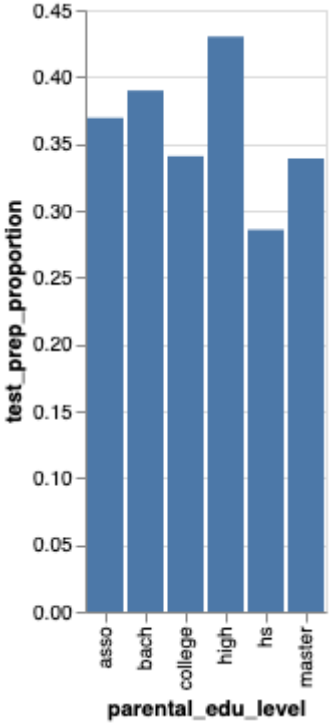
male
100
90
80
70
60
50
40
30
20
10
0
reading_score
female
male
gender



Question 2 Scatter Plot



Question 3 Bar Plot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0.25
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0.10
0.05
0.00
test_prep_proportion
asso
bach
college
high
hs
master
parental_edu_level