

BEYOND THE CLASSROOM: THE INFLUENCE OF PARENTAL EDUCATION ON STUDENT'S SUCCESS

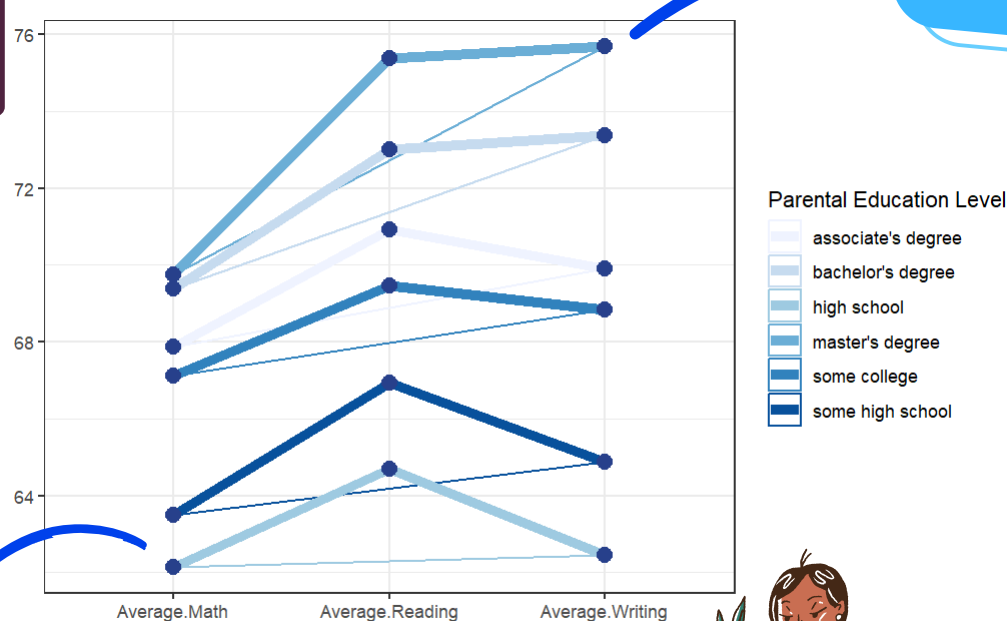


1

This infographic explores the relationship between parental education and student's success, using data from a study of student performance in math, reading, and writing. Our hypothesis is that higher levels of parental education will be associated with higher student achievement, as measured by standardized test scores.

Writing Scores has the highest disparity between different levels of parental education.

MATH
READING
WRITING

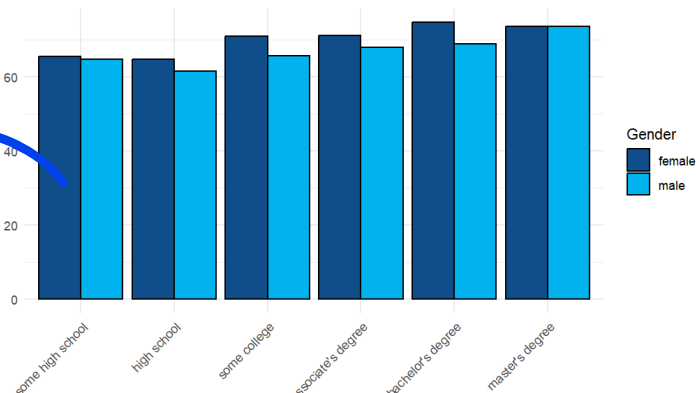


The student whose parents have just done high school have lowest average math scores of all students.

The parallel coordinates chart above shows the average scores of math, writing and reading test of students with different parental education. It shows that students whose parents have master's degree have highest average scores in all subject.

2

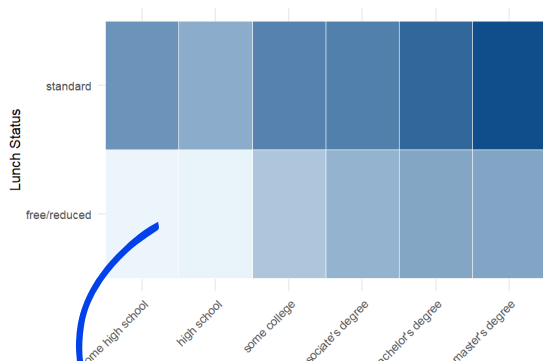
The grouped bar chart shows difference between student scores based on gender which tells female tends to have slightly higher scores.



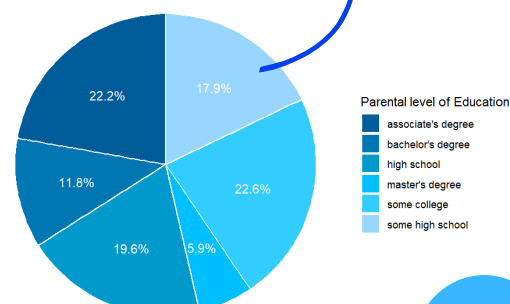
3

The heatmap below shows the average scores of student in comparison with parental education and lunch status which is either standard or free/reduced. The pie chart shows the distribution of students in terms of their parent's education.

Almost 60% students' parents have high school or college education which suggests that those number of students would have relatively lower scores.



The student whose parents has high school education and has free/reduced lunch will probably score lowest.



4

To conclude, there is clear positive relationship between students' scores and parental education, the more educated the parents are the higher the student is going to score. But there can be other contributing factors like lunch status and many other external factors which were not taken into consideration here.