



# Student Exam Performance

An Analysis by Benedikt Willecke



# Objective

Evaluate the Effectiveness of the Test Preparation Course

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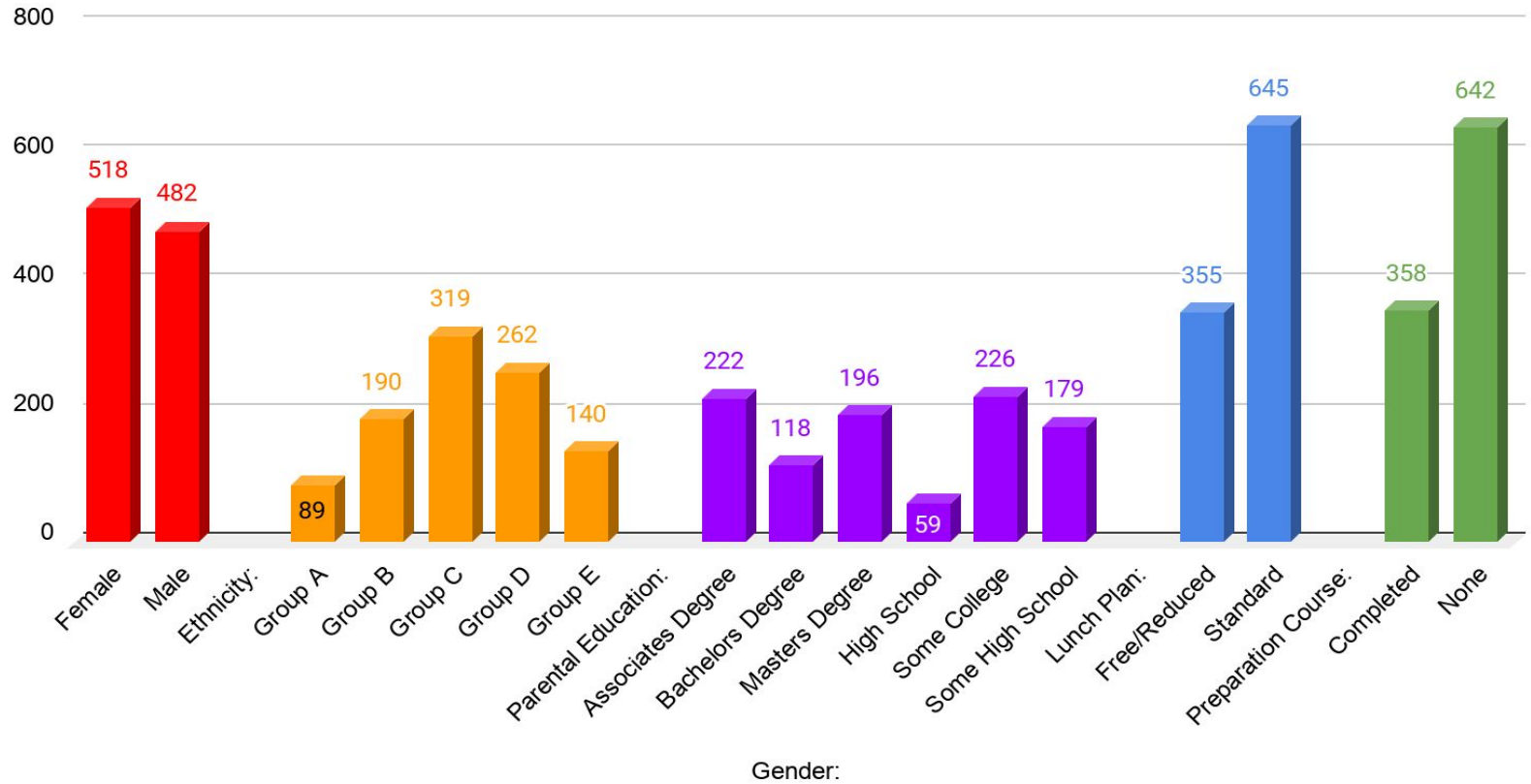
1. Data Overview
2. Overall Performance Increase from the Preparation Course
3. Differences Between the Groups
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# Data Overview

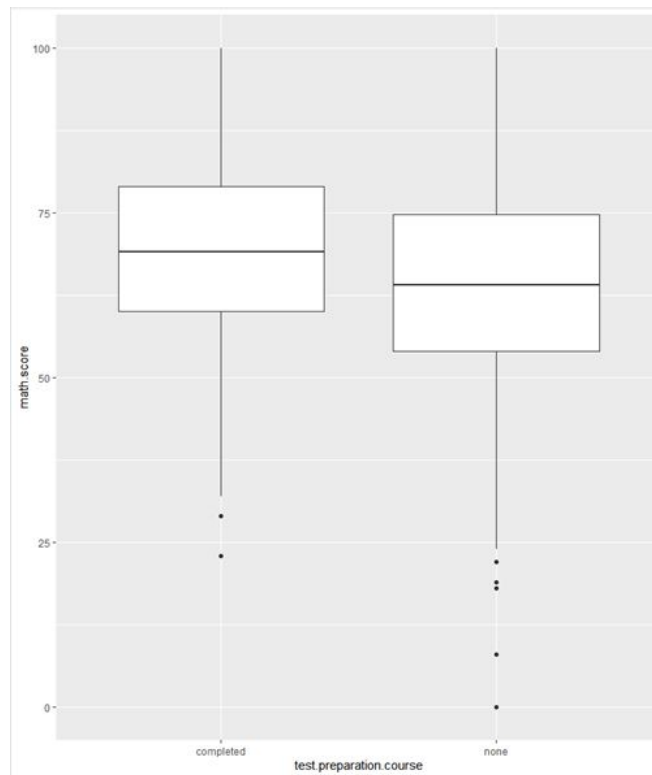
## Number of Datapoints



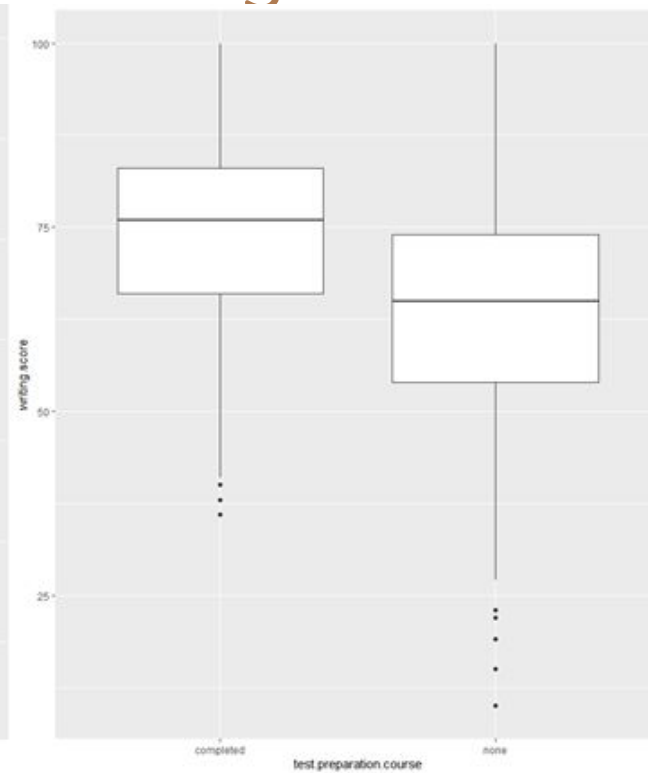
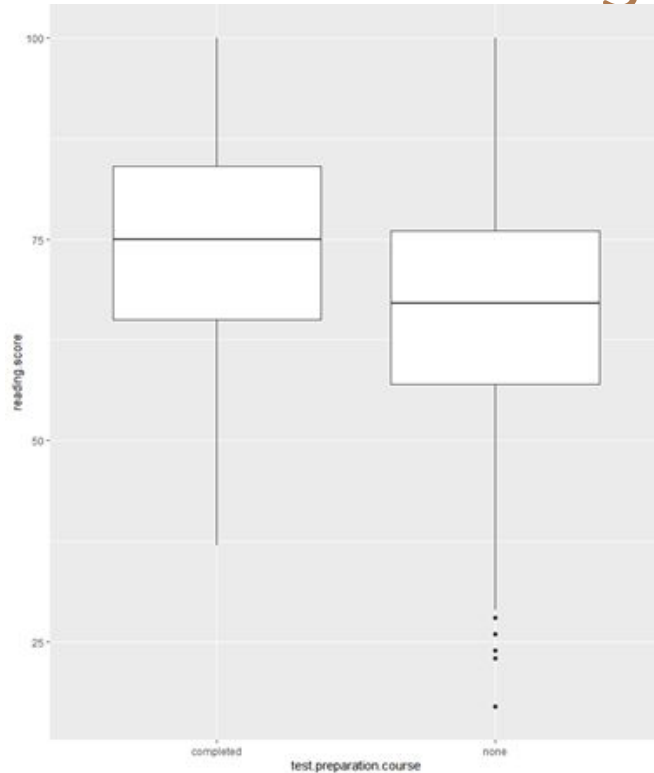


Overall Performance  
Increase

# Preparation Course Performance - Math



# Preparation Course Performance - Reading/Writing

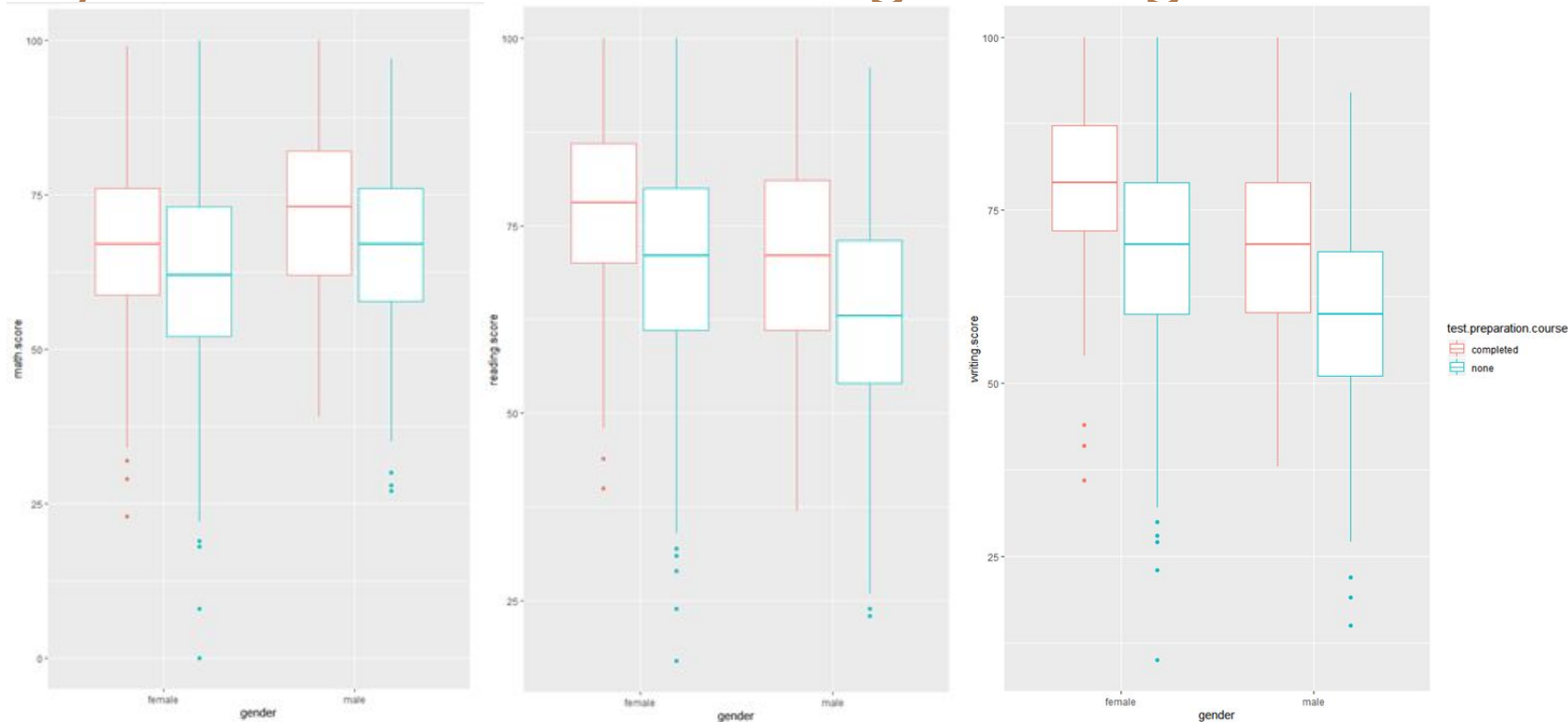




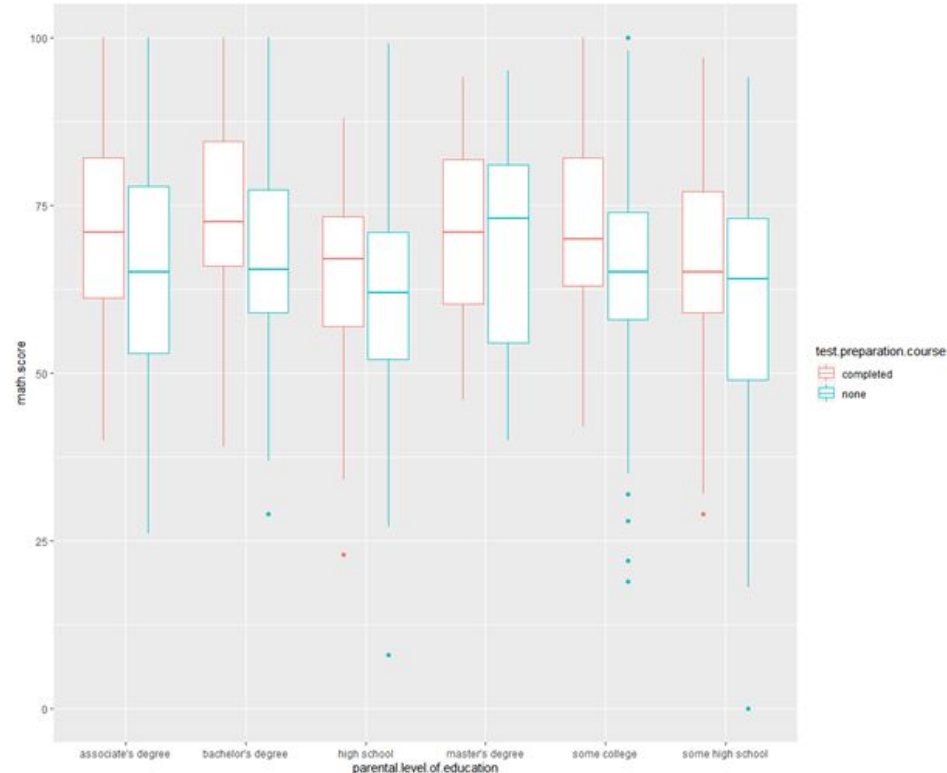


Differences in Performance  
Increase

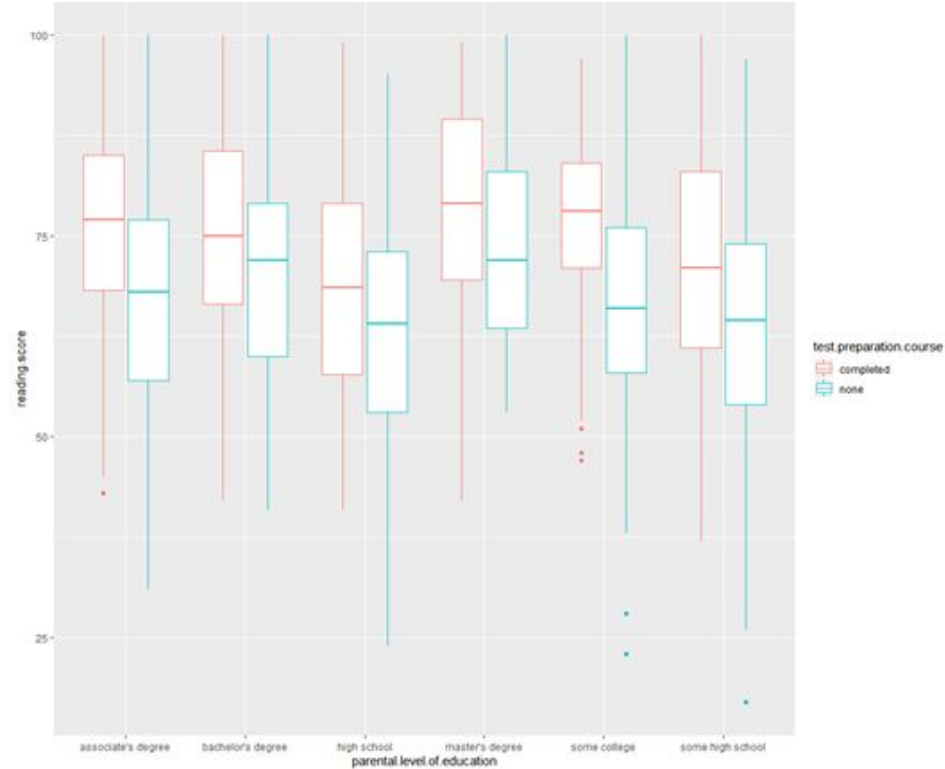
# Preparation Course Performance Difference by Gender - Math/Reading/Writing



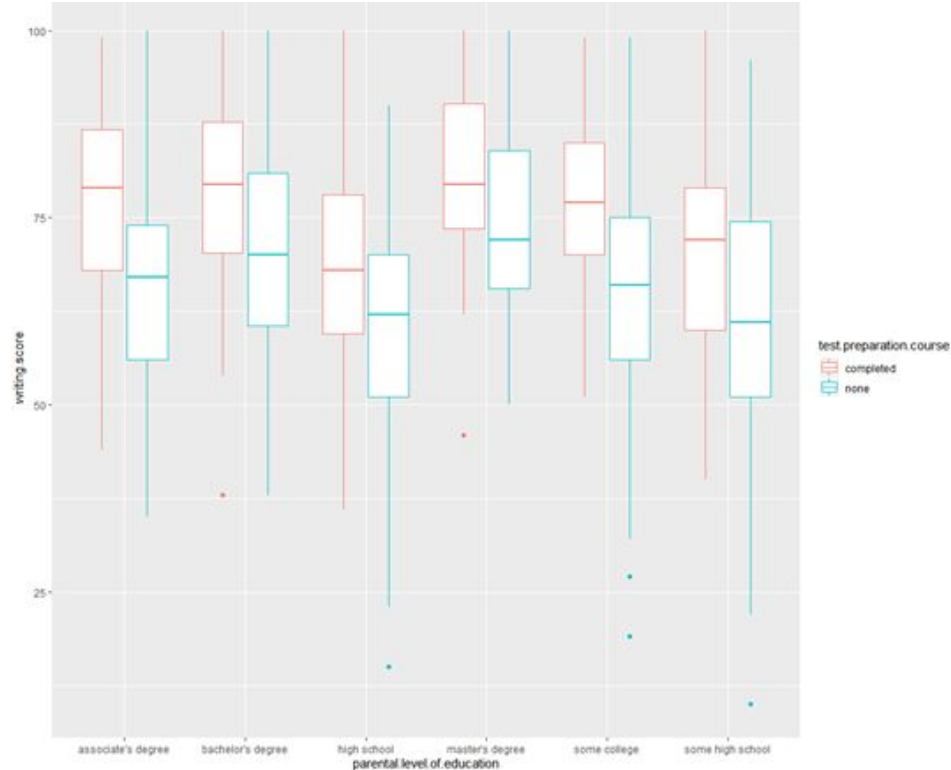
# Preparation Course Performance Difference by Parental Level of Education - Math



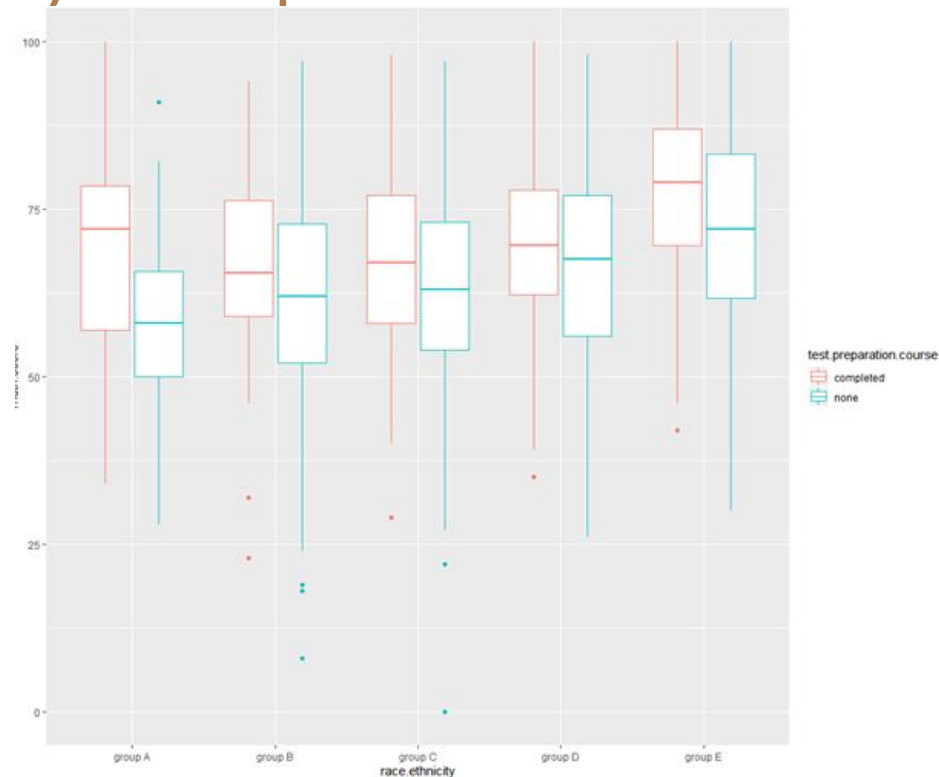
# Preparation Course Performance Difference by Parental Level of Education - Reading



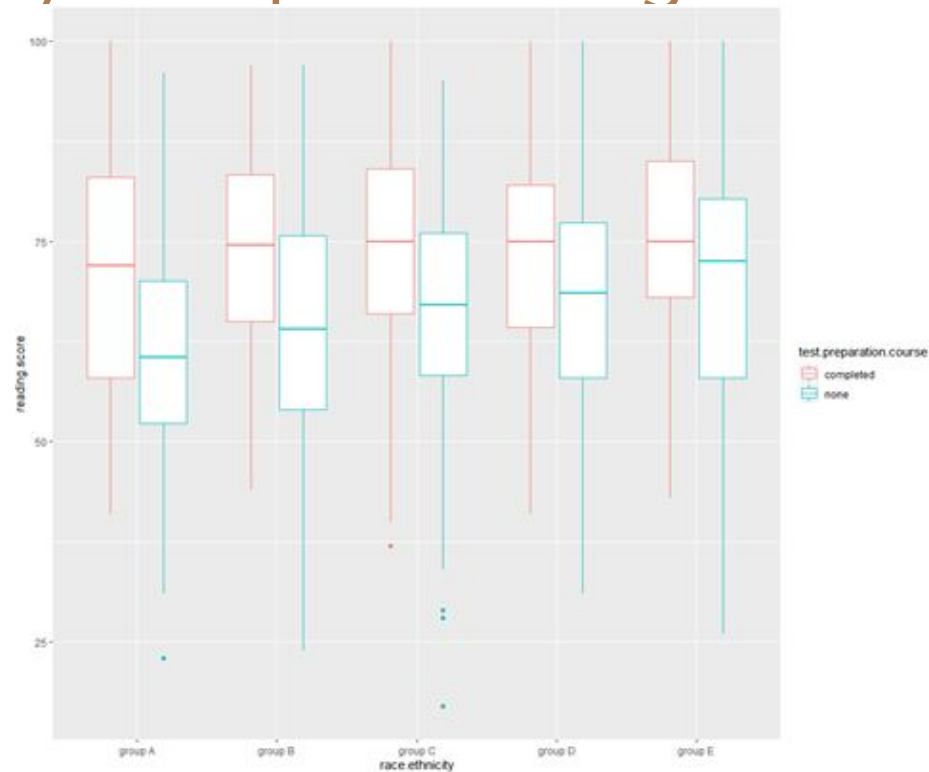
# Preparation Course Performance Difference by Parental Level of Education - Writing



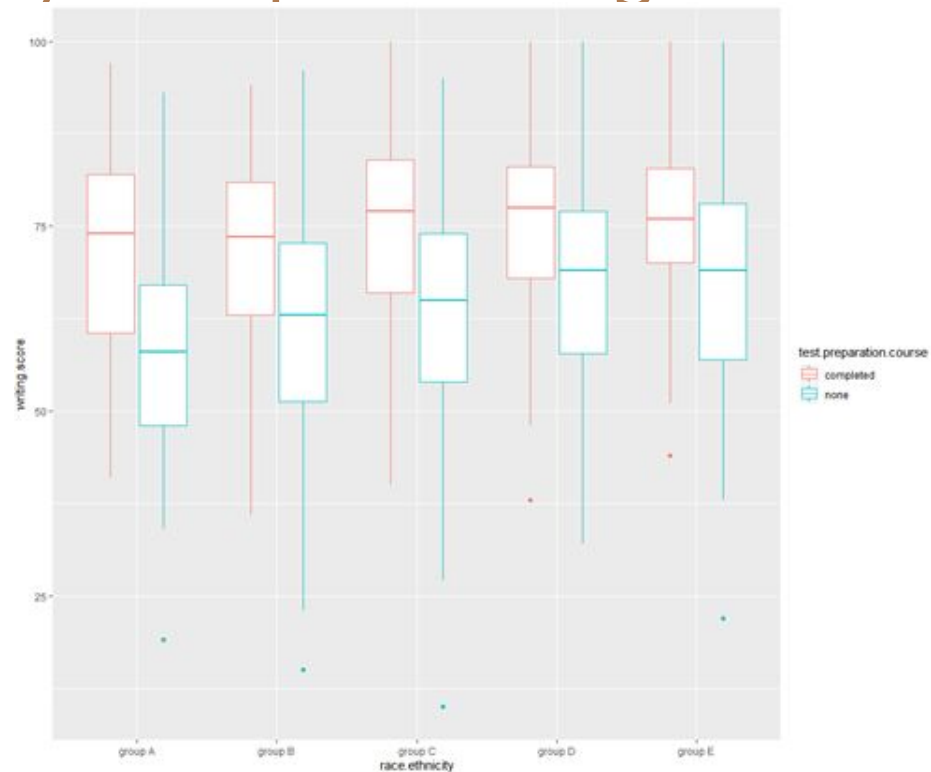
# Preparation Course Performance Difference by Ethnicity Group - Math



# Preparation Course Performance Difference by Ethnicity Group - Reading

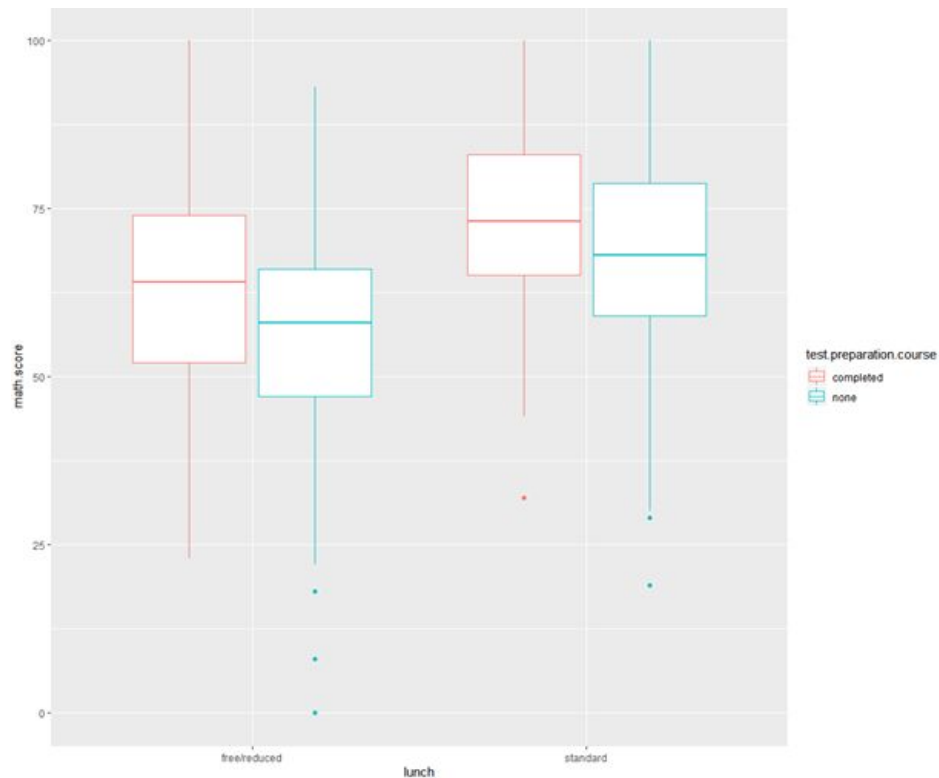


# Preparation Course Performance Difference by Ethnicity Group - Writing

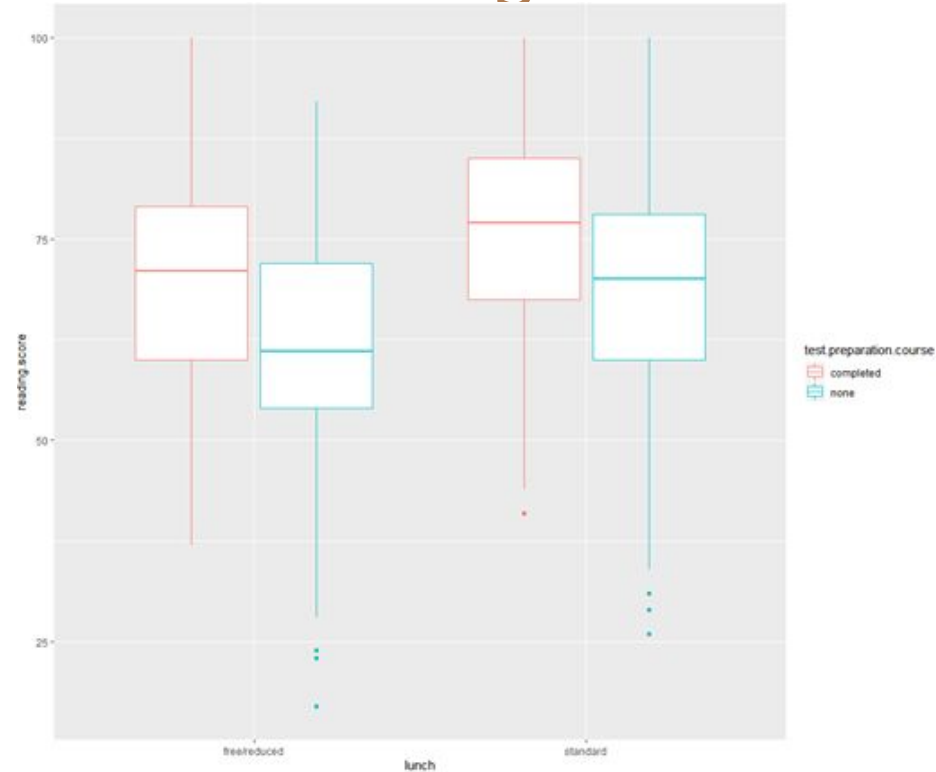




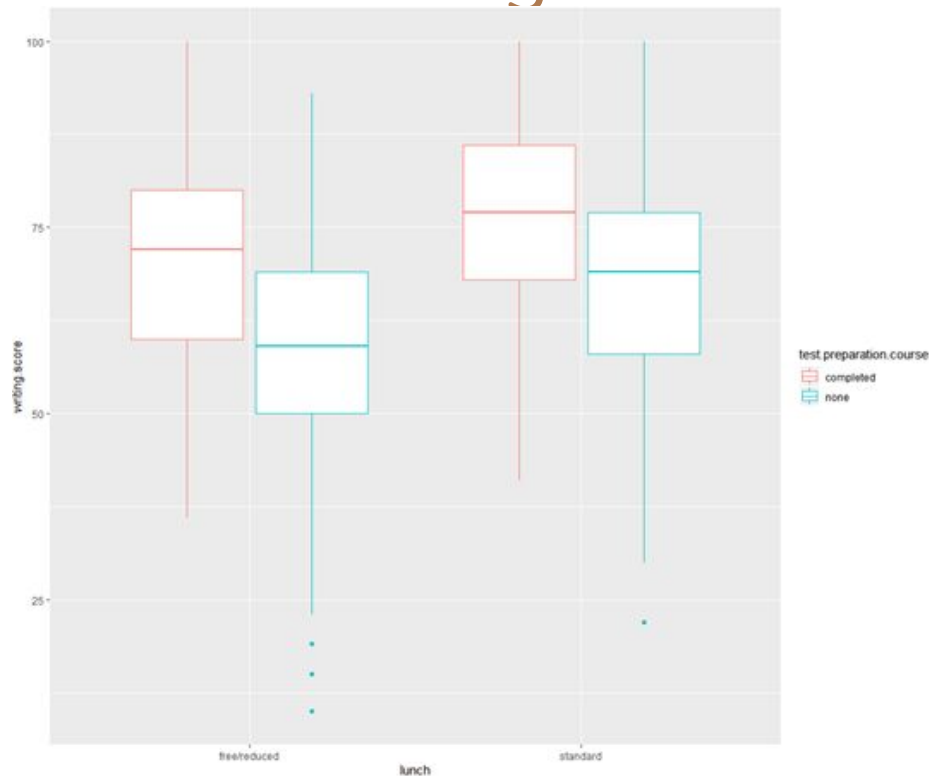
# Preparation Course Performance Difference by Lunch Plan - Math



# Preparation Course Performance Difference by Lunch Plan - Reading



# Preparation Course Performance Difference by Lunch Plan - Writing



# Conclusion

- The course helps the students reach higher scores
- The course needs to be improved for: women in math, men in reading in writing, students whose parents have a high school diploma or Masters degree, students from low income families(indicated by lunch plan), other ethnic groups other than group A

Thank you for listening!

