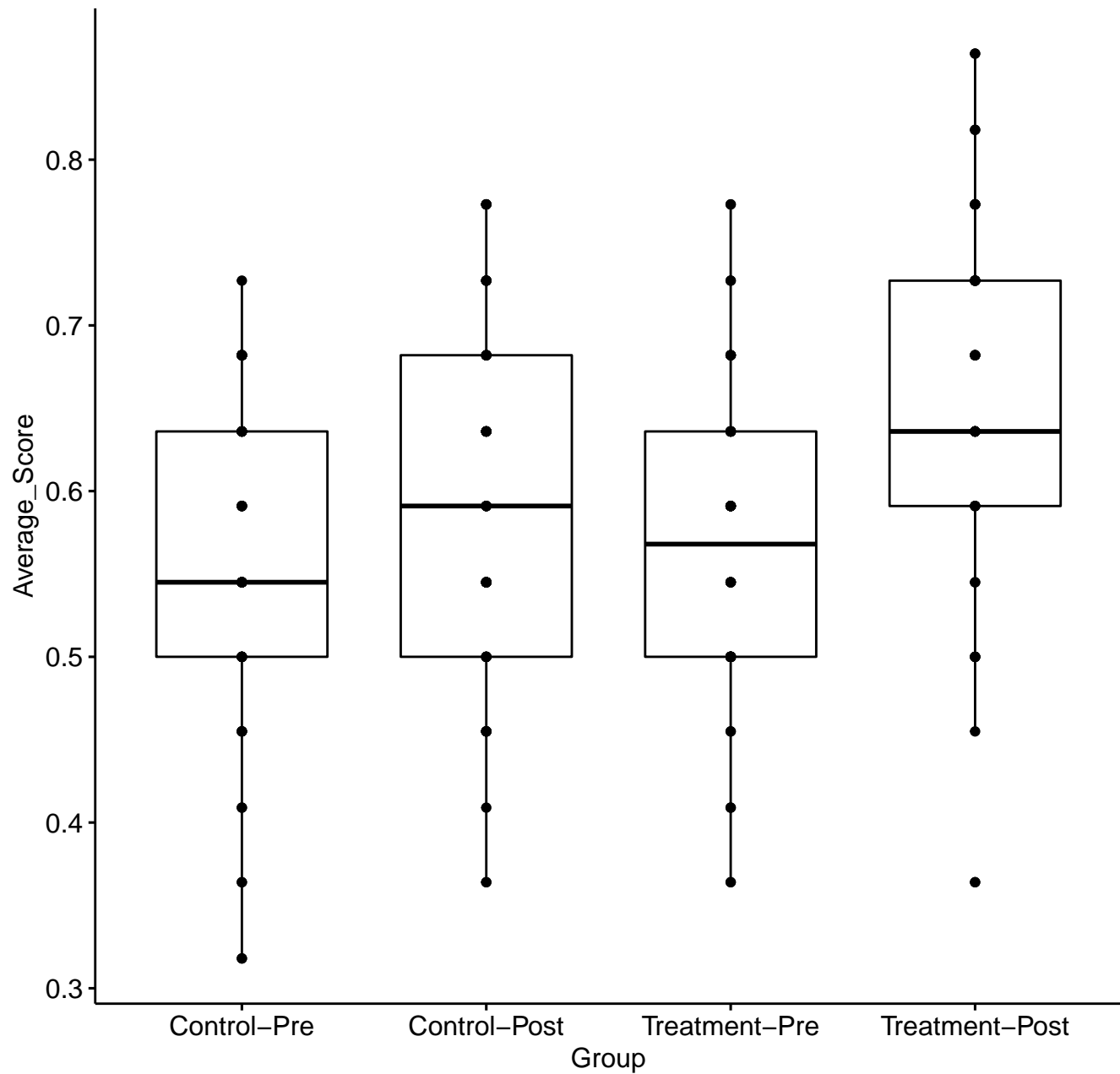
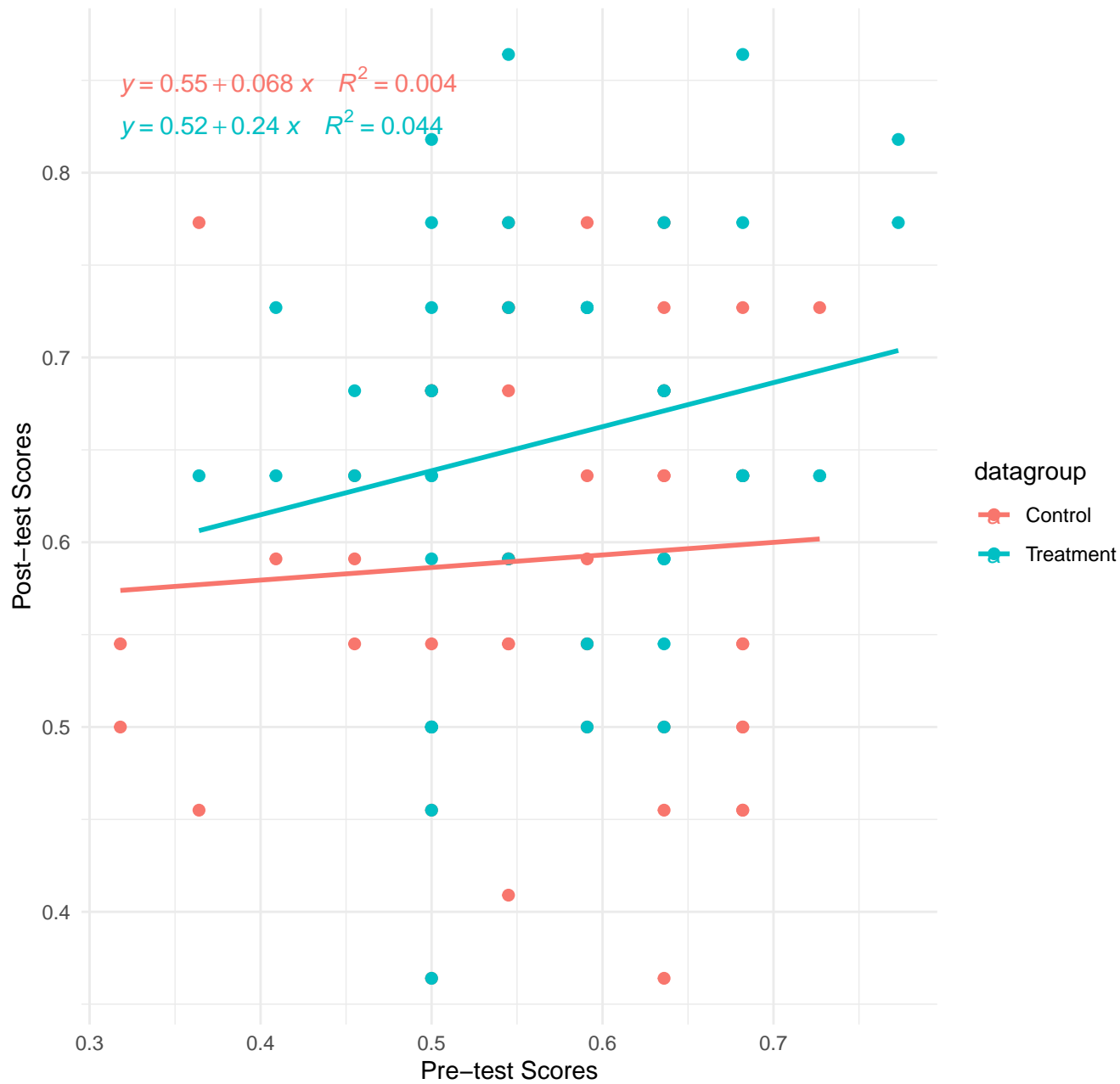


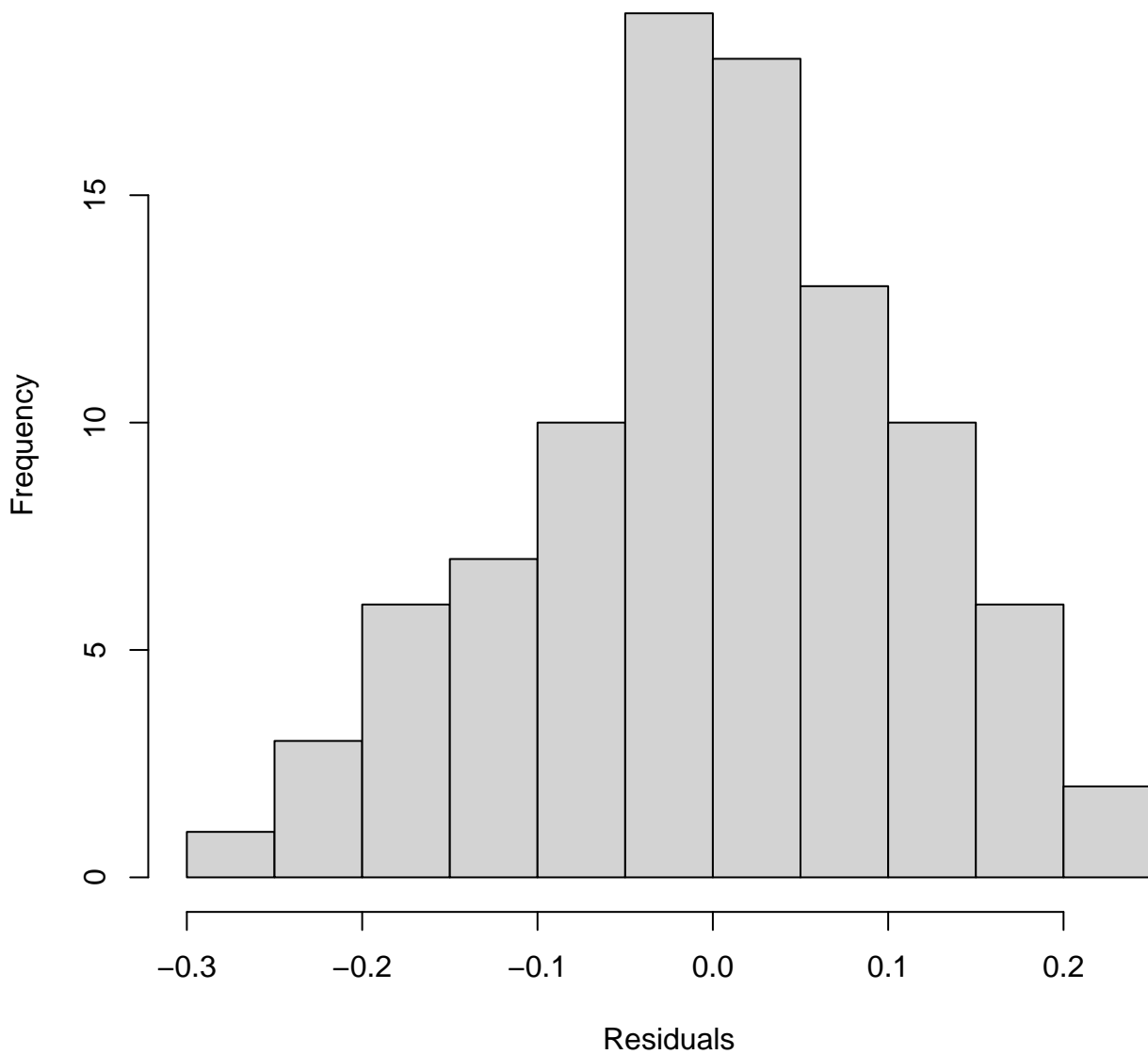
Boxplots by Group



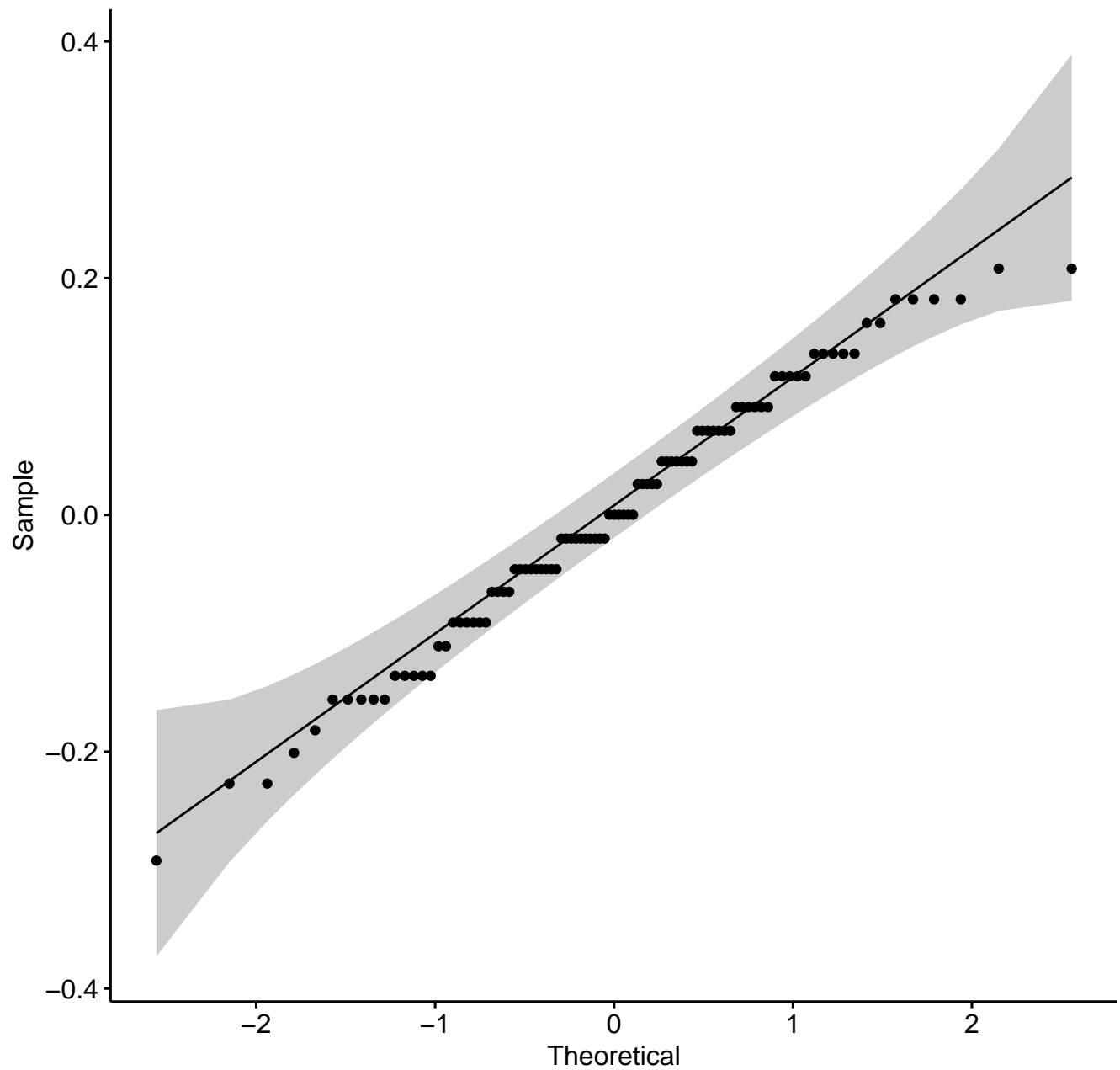
Scatter Plot to Check Linearity



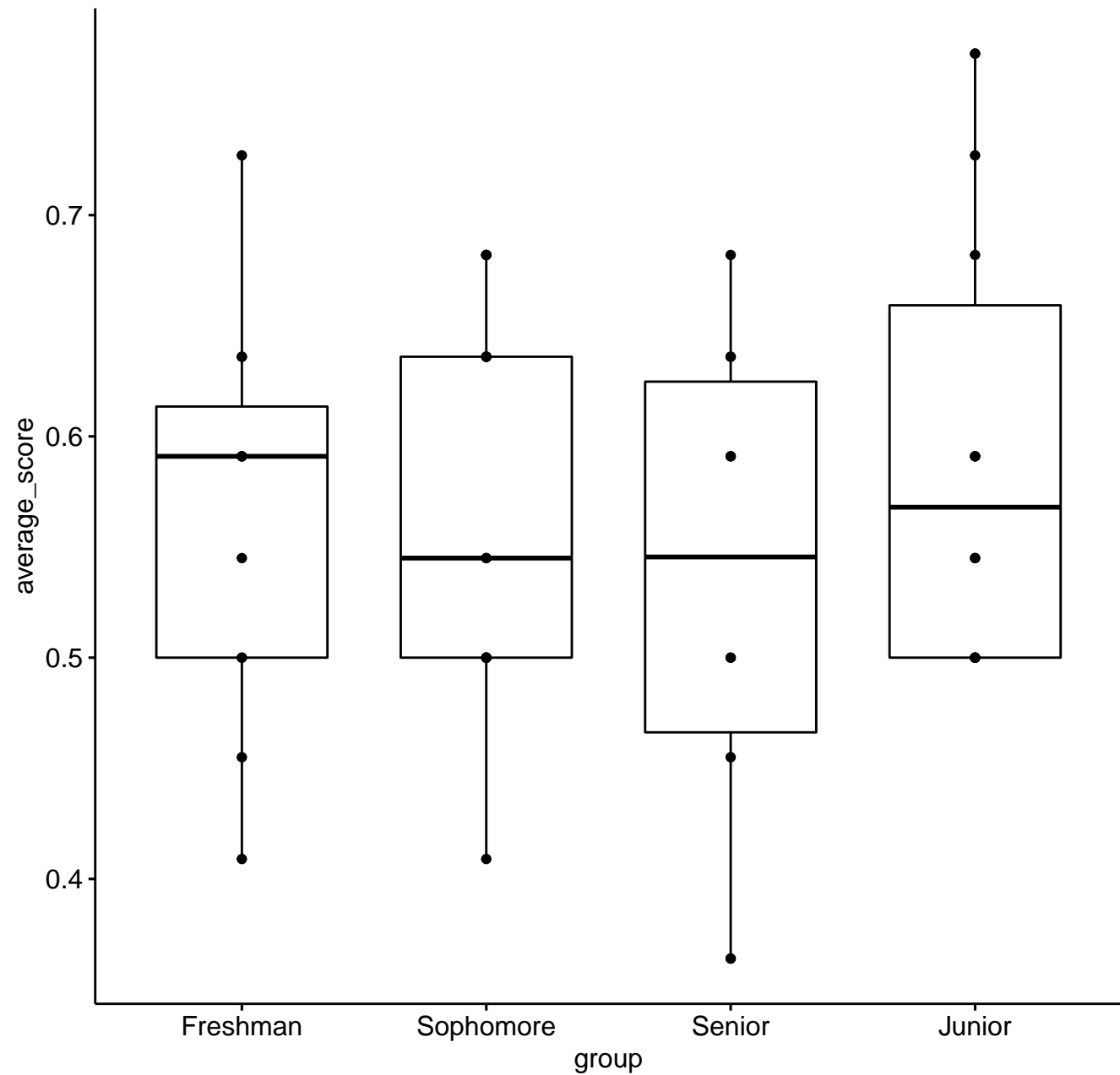
**Histogram of Residuals**



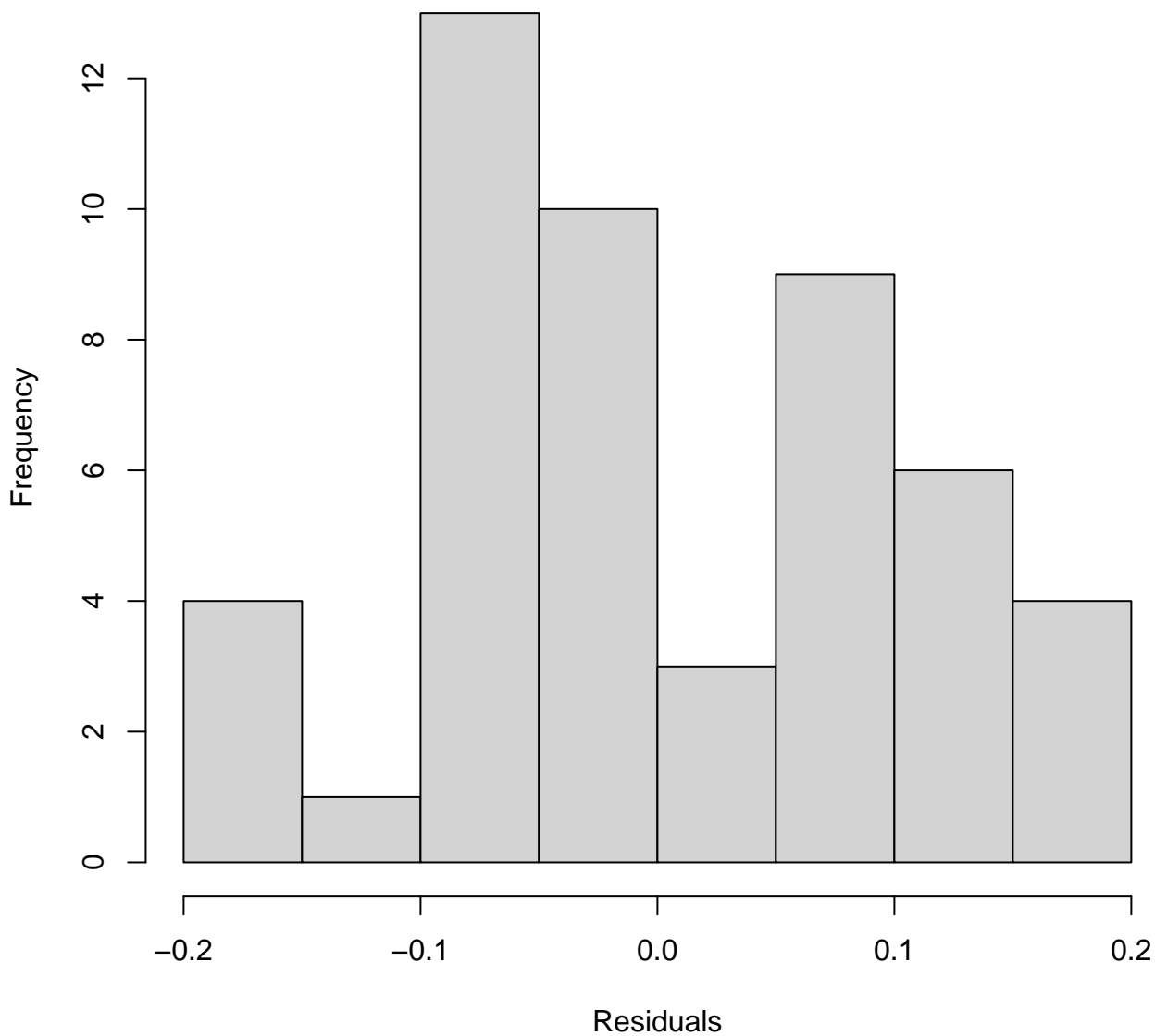
Normal Q-Q Plot of Residuals



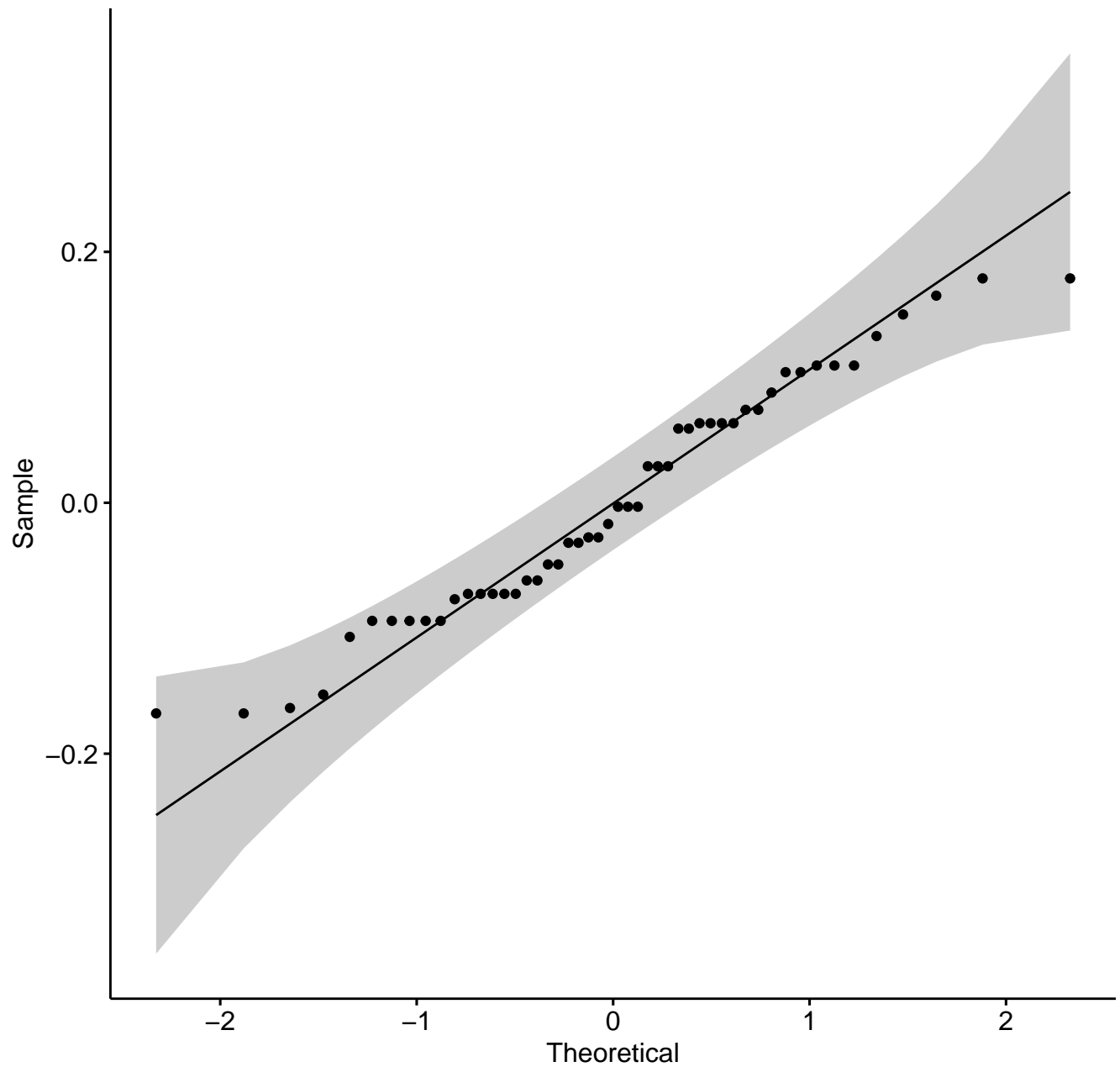
Boxplots by Demographic Sub-group



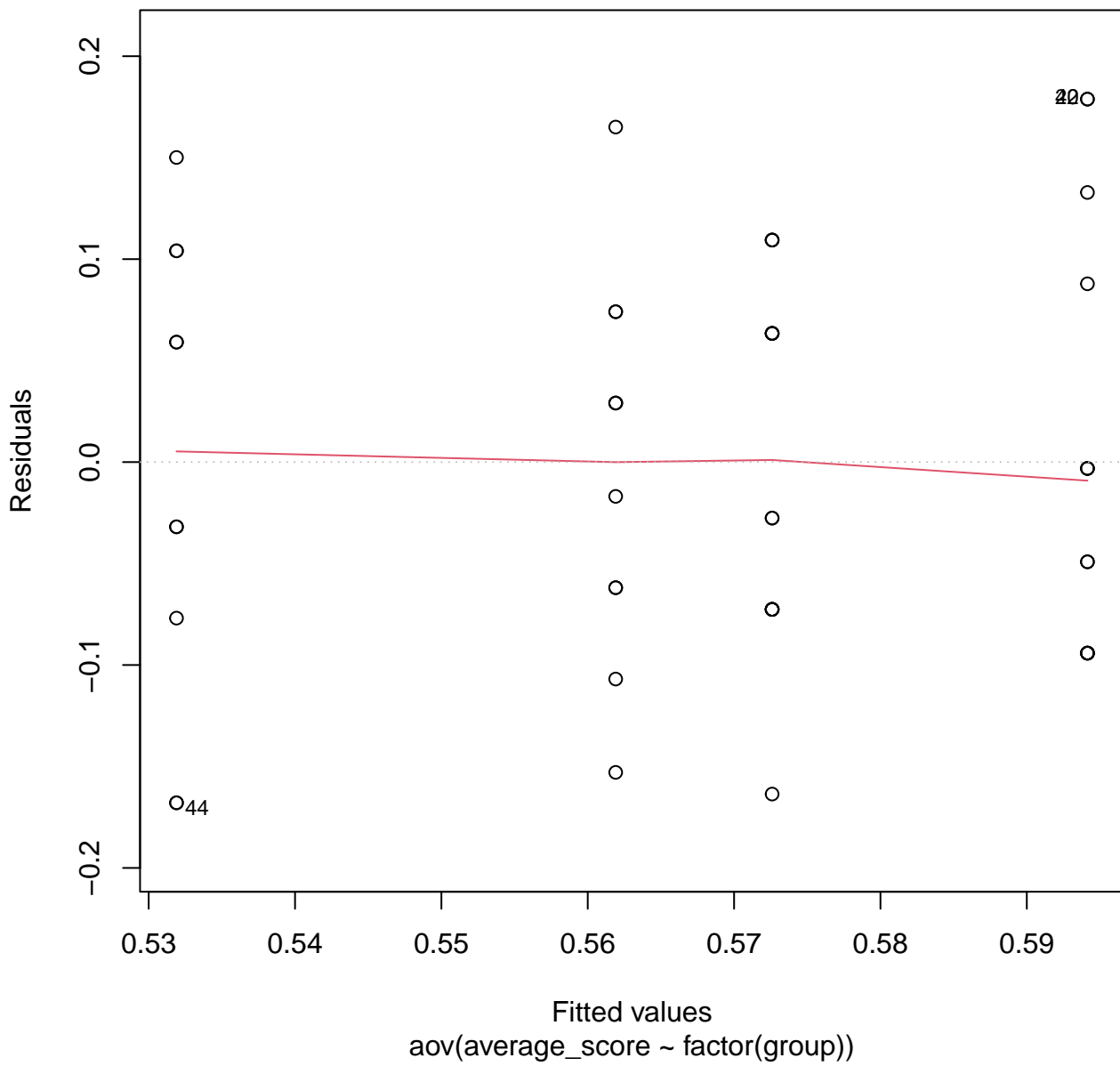
# Histogram of Residuals



Normal Q–Q Plot of Residuals

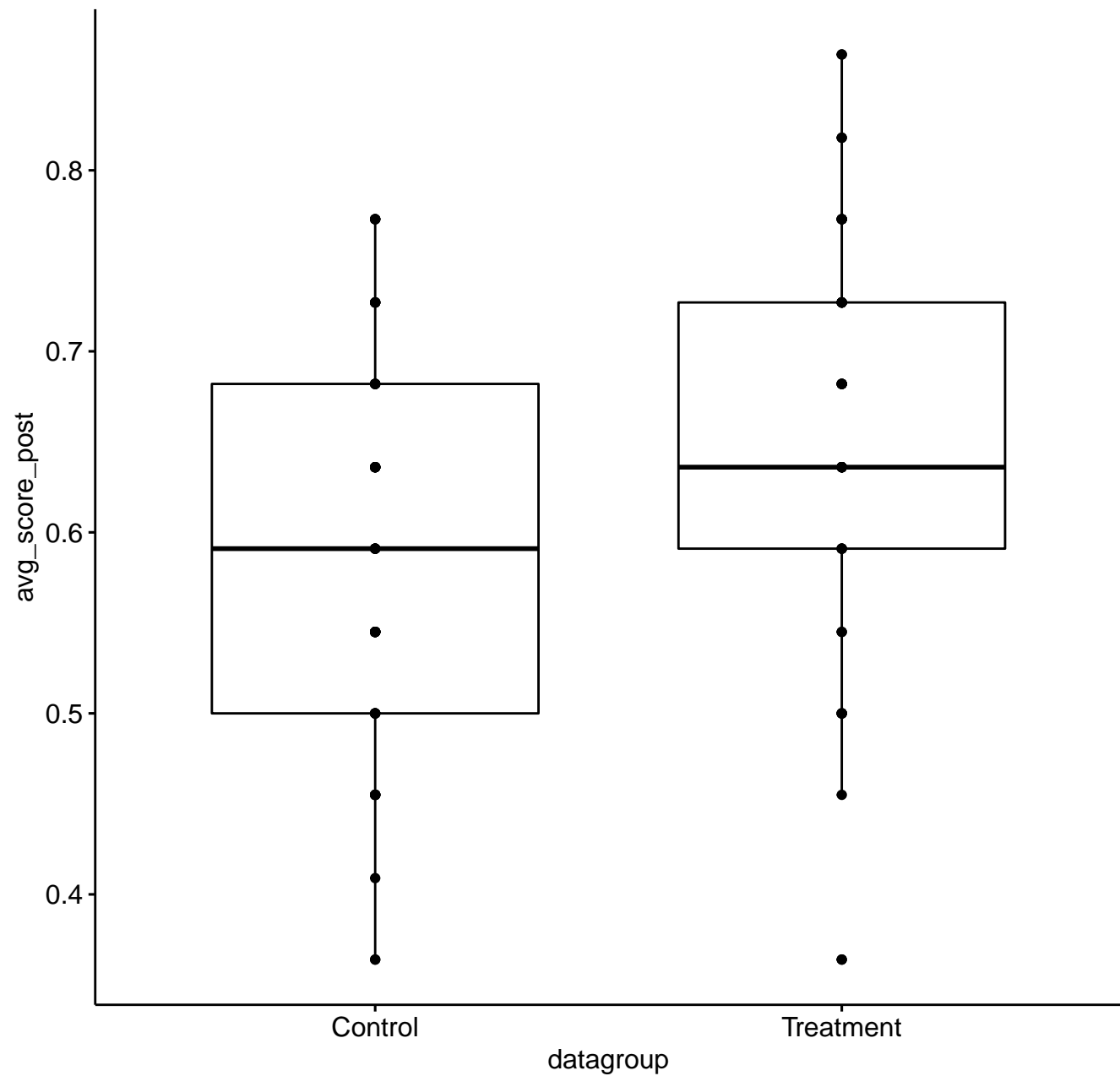


Residuals vs Fitted

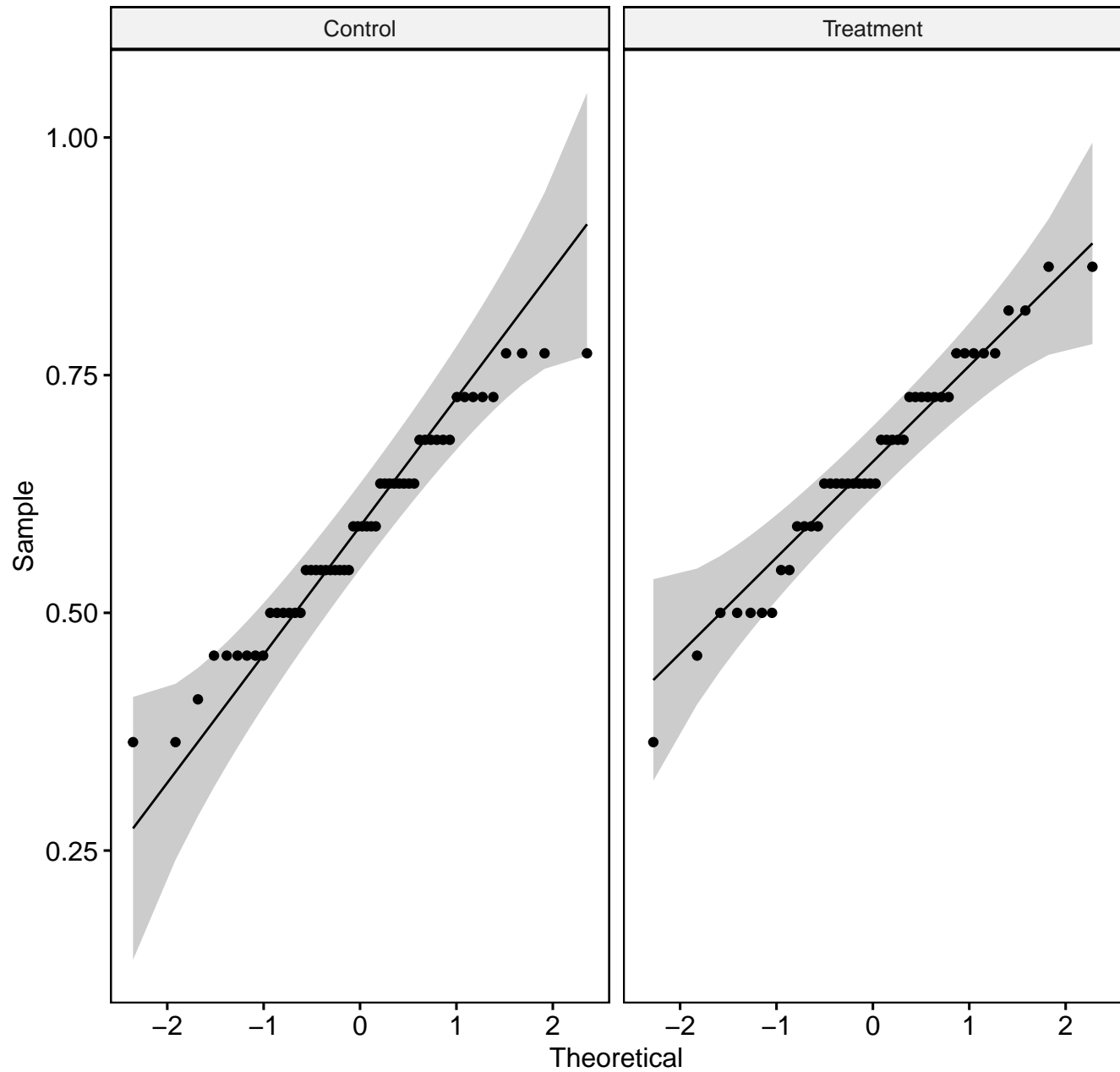




Independent Samples – Boxplots

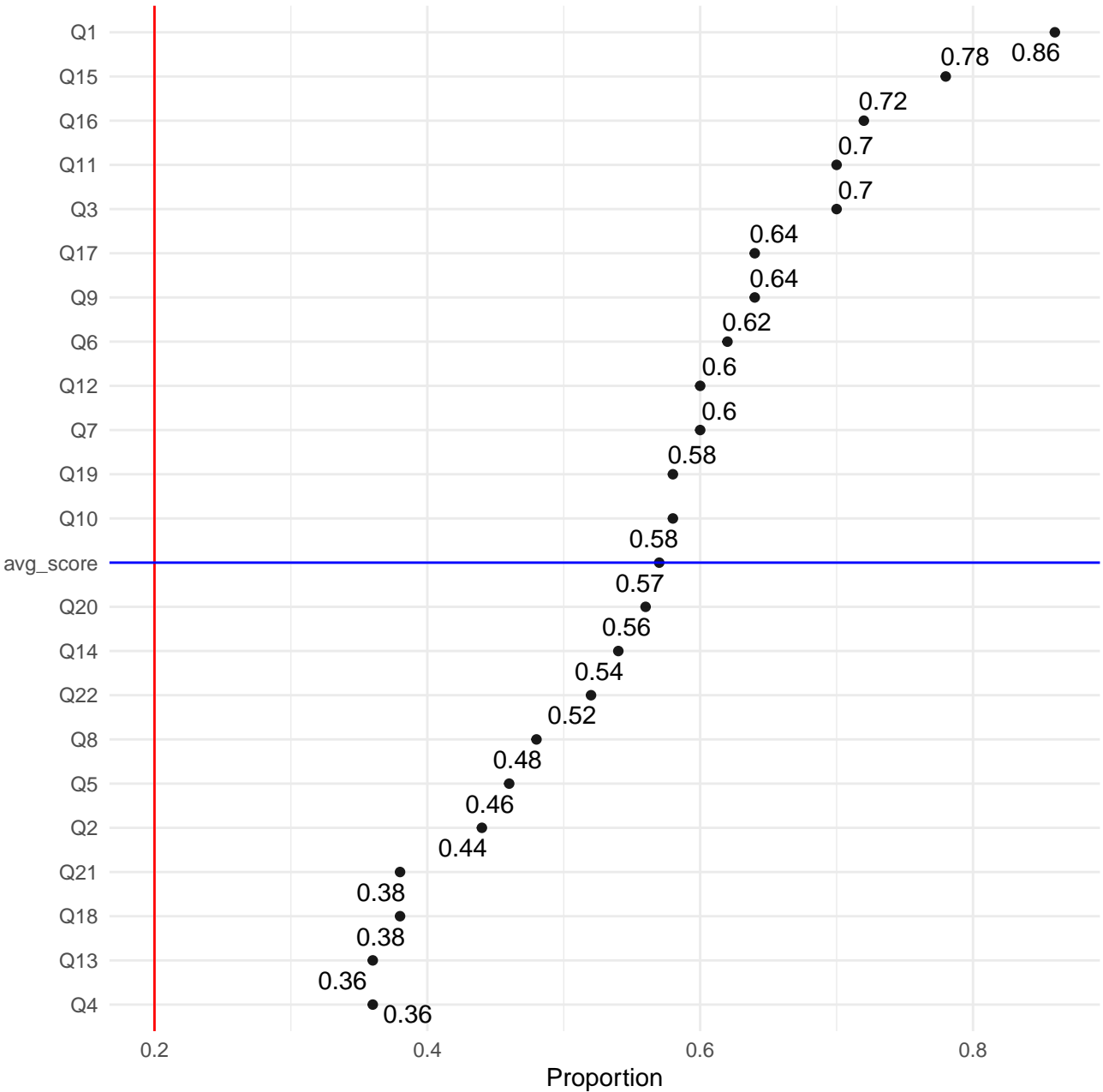


Normal Q-Q Plot



# Difficulty Plot

Question Item Number



# Discrimination Plot

Question Item Number

avg\_score

Q18

Q20

Q13

Q16

Q9

Q19

Q21

Q11

Q12

Q22

Q8

Q15

Q14

Q3

Q10

Q6

Q4

Q7

Q17

Q1

Q5

Q2

1

0.57

0.55

0.53

0.48

0.33

0.31

0.3

0.3

0.29

0.28

0.19

0.17

0.16

0.15

0.14

0.09

0.08

0.08

-0.06

-0.12

-0.16

-0.25

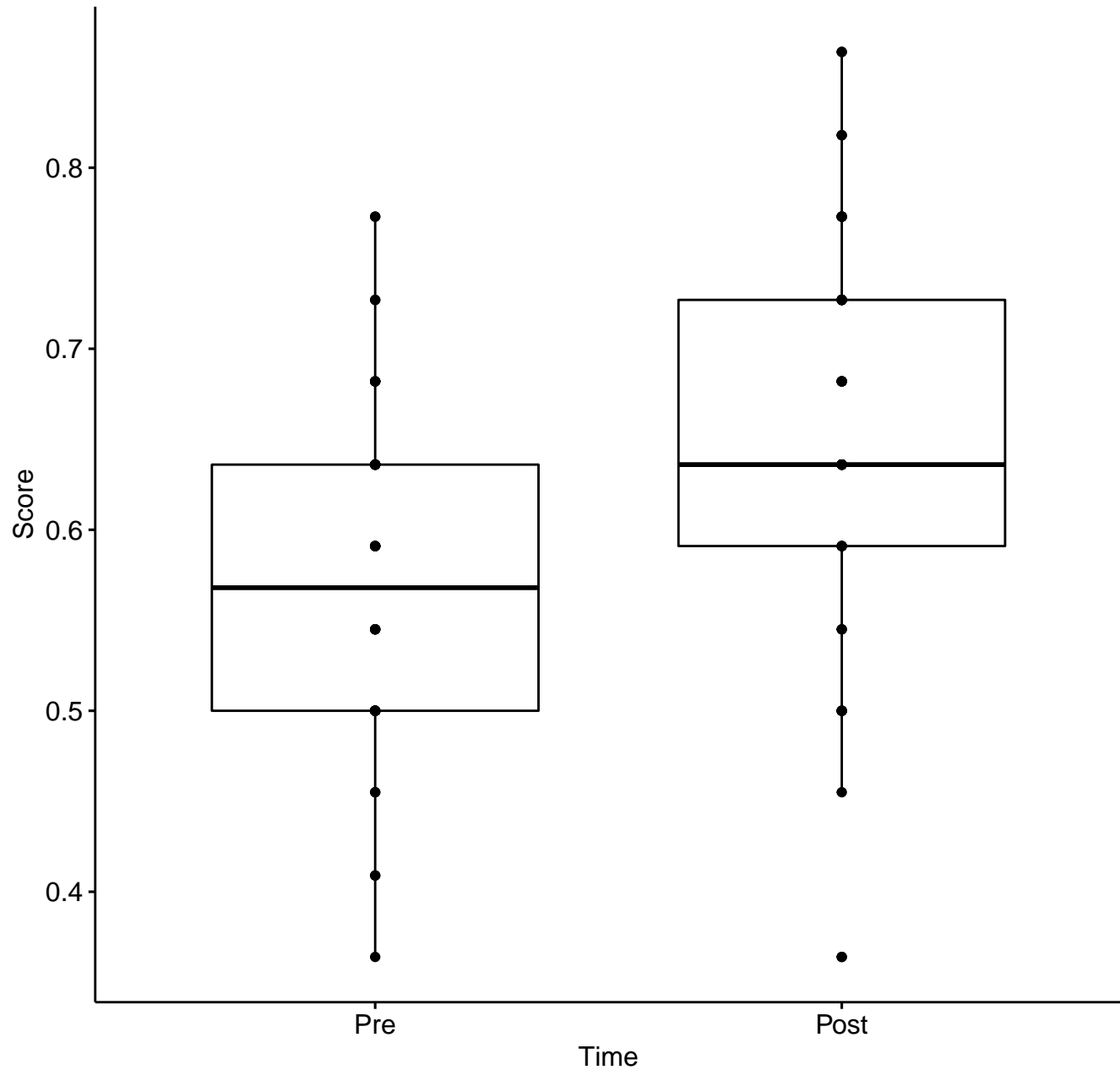
Relationship Coefficient

0.0

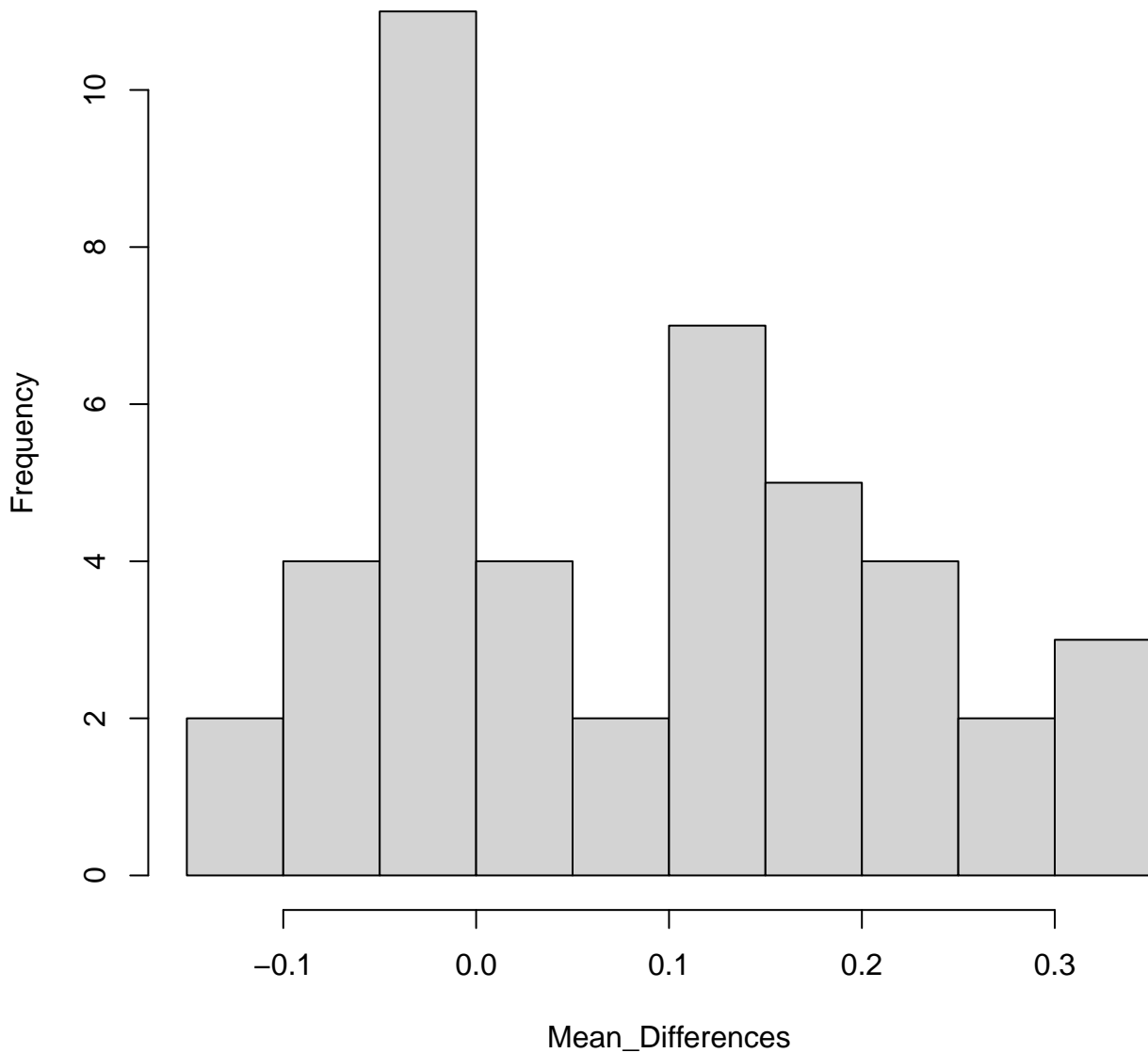
0.4

0.8

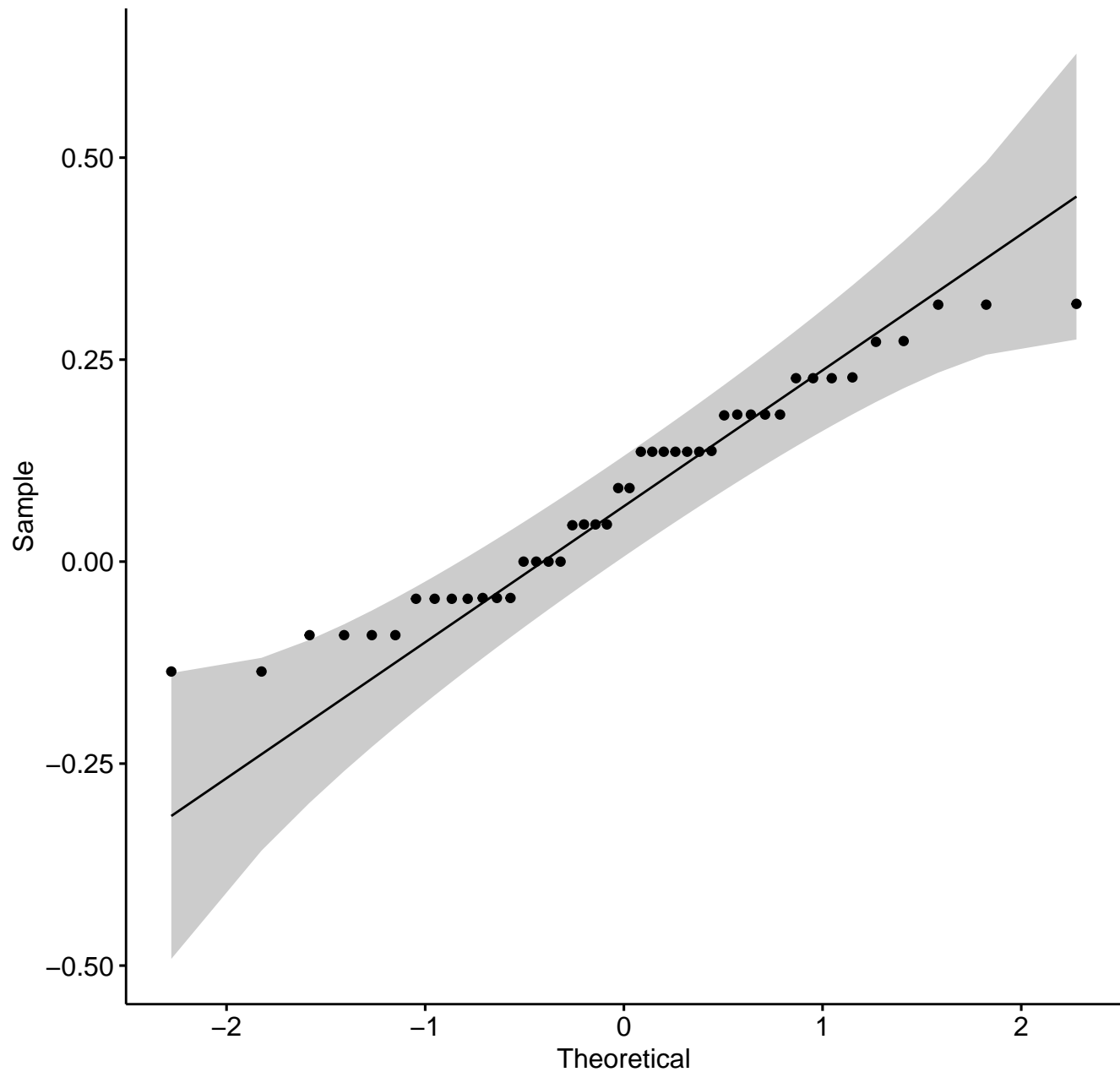
Paired Samples – Boxplots



**Histogram of Mean\_Differences**

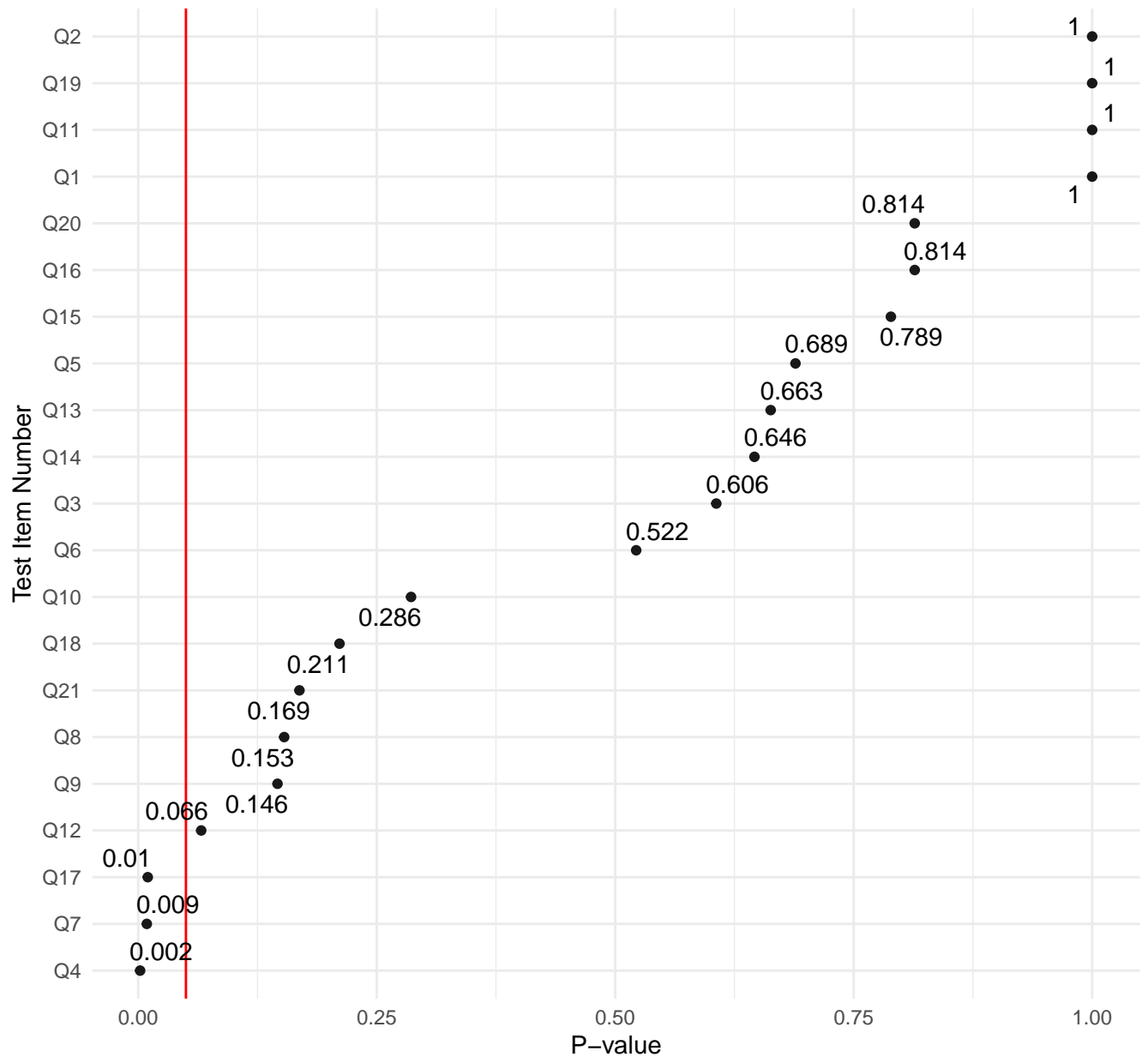


Normal Q-Q Plot



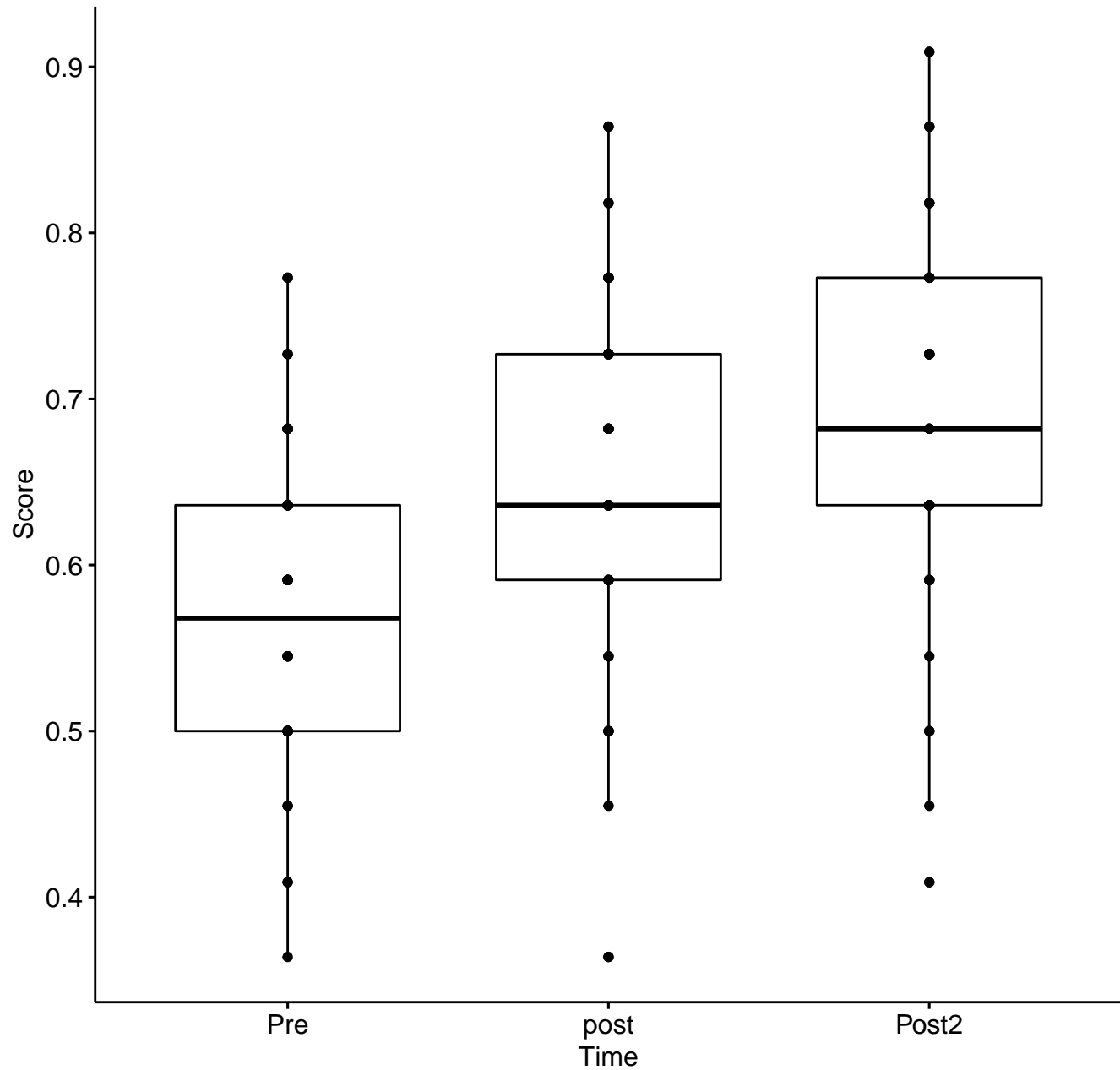
# McNemar Test Results

Ordered by P-value

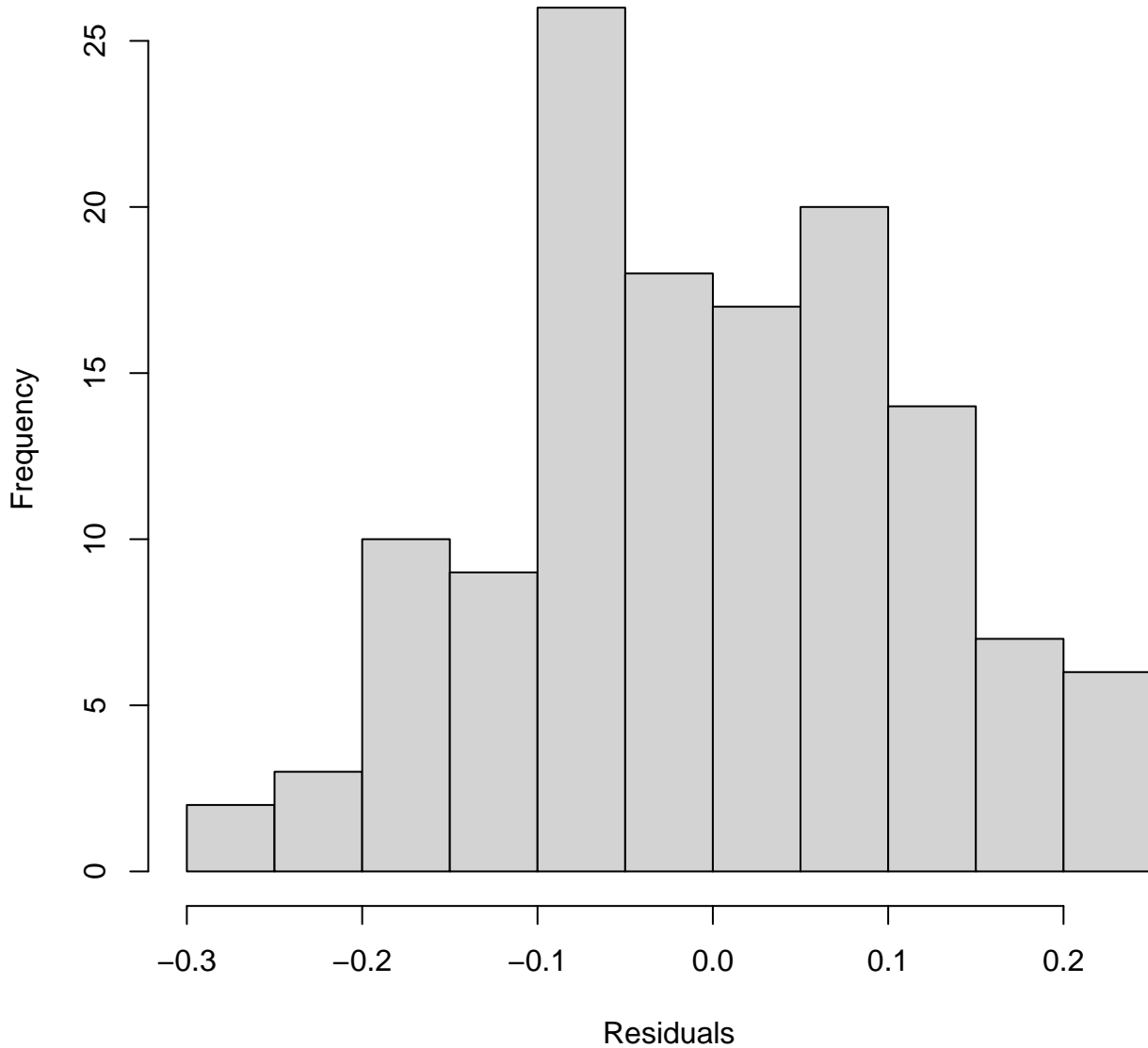




Boxplots



# Histogram of Residuals



Normal Q-Q Plots of Residuals

