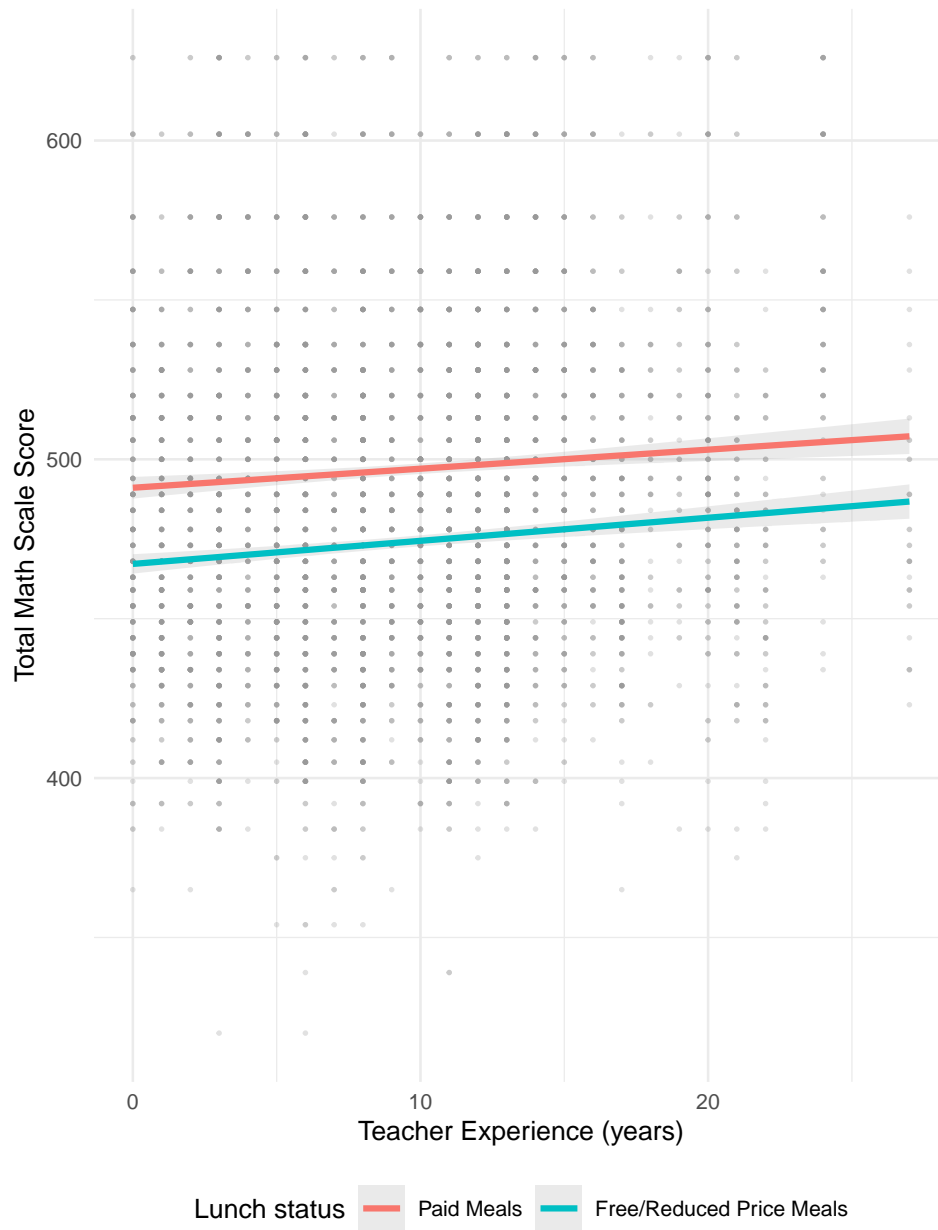


Homework 6

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| | sex | frl | math_mean | math_sd | rdg_mean | rdg_sd |
|---|------|-----|-----------|---------|----------|--------|
| 1 | boy | no | 492.85 | 46.34 | 441.46 | 32.32 |
| 2 | boy | yes | 469.87 | 46.09 | 425.38 | 26.63 |
| 3 | girl | no | 501.21 | 45.96 | 448.54 | 34.52 |
| 4 | girl | yes | 477.51 | 46.30 | 430.80 | 27.42 |

Relation between teacher experience and math scores
Separate regression lines displayed by free/reduced price lunch status



Discussion

The scatterplot with fitted regression lines shows a positive relationship between teacher experience and students' math achievement. Students taught by more experienced teachers score higher. Additionally, students who pay for lunch consistently score higher than those receiving free/reduced-price lunch across all levels of teacher experience.

References

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