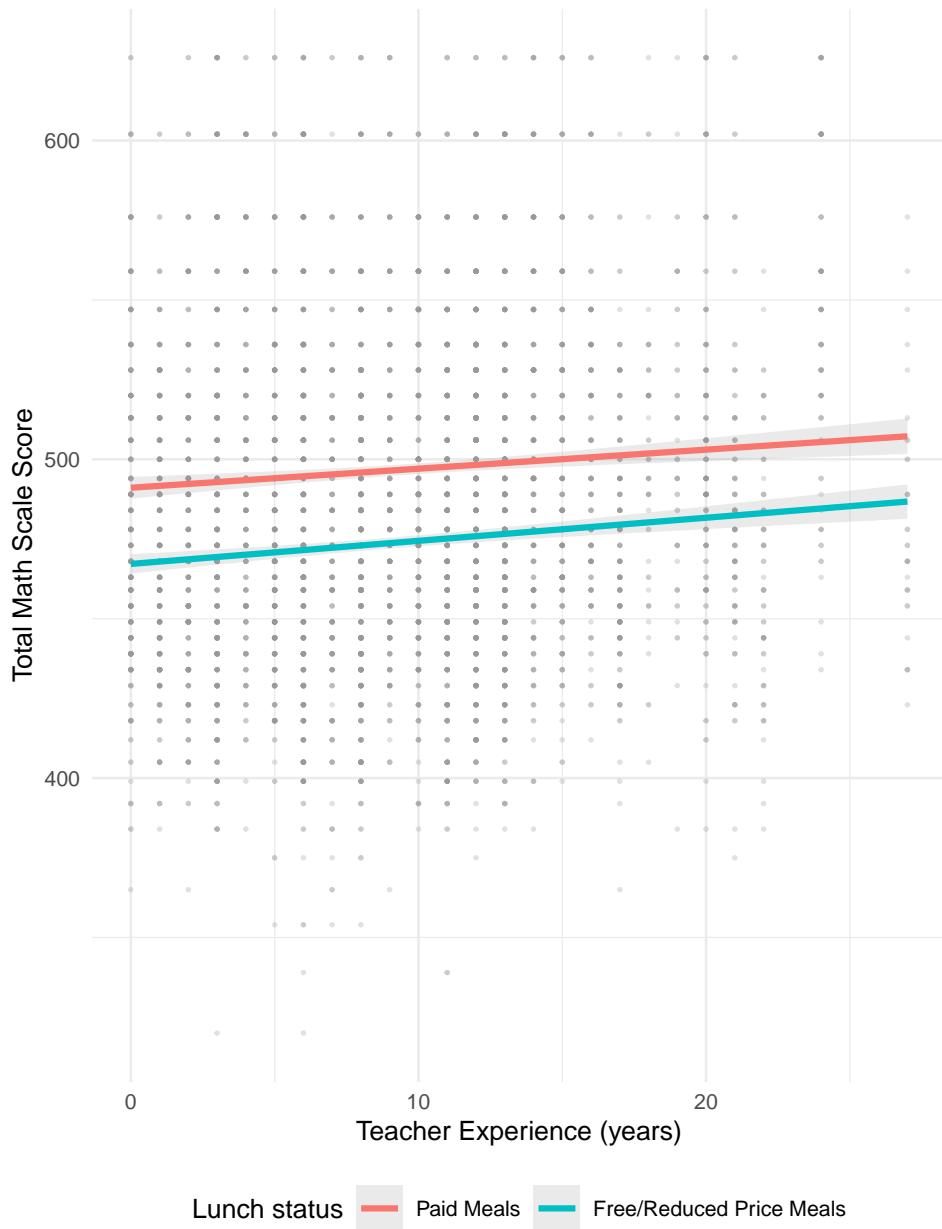


Homework 6

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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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