Lecture 7
In-class exercise

Using the HS&B data,

1. Specify a linear mixed model to estimate the school-specific relationship between math achievement and SES after adjusting for student gender and minority status
2. Fit the model and interpret the random intercept and random slope for SES variance components
3. Save the estimated values of the random intercept and random slope for SES
4. Review the definition of the random intercept and discuss the relevance of this value for ranking the schools
5. As a group, we will consider an alternative statistic for the ranking and compare the rankings of the schools based on each approach