

Lab 4E: This model is big enough for all of us!

Directions: Record your responses to the lab questions in the spaces provided.

Building better models

Divide & Conquer

- Do you think that a movie's runtime is the only factor that goes into how much a movie will make? What else might affect a movie's gross?

Including more info

- Does this new model make more or less accurate predictions? Describe the process you used to arrive at your conclusion.
- Write down the code you would use to include a 3rd variable, of your choosing, in your `lm()`.

Own your own

- Write down which other variables in the movie data you think would help you make better predictions.

- **Are there any variables that you think would not improve our predictions?**
- **Create a model for all of the variables you think are relevant.**
- **Assess whether your model makes more accurate predictions for the testing data than the model that included only runtime and reviews_num**
- **With your neighbors, determine which combination of variables leads to the best predictions for the testing data.**