Computing Assignment 8

Due Monday, March 27, before class.

The Assignment

This assignment begins Writing Assignment 2, so spend a bit of time thinking about. Try to think about the model that you would build to predict `tax_change`.

If you haven't already, go to the course webpage and download the `taxes-training.rds` and `taxes-prediction.rds` data sets.

On the course webpage under March 24, you'll find R code to compare models. It fits four models and calculates three fit statistics for each model. We discussed the fit statistics in class. You should change three things about this code:

1. Change my working directory to yours.
2. Come up with your own four models. To do this, just change the formulas in each of the four fits. You choose what predictors to include and whether to include an interaction between any predictors or include any predictors as polynomials. These four models can be as similar as you like, or different. Hint: it can be nice to have 3-4 dissimilar models that all fit the data pretty well–I'll explain this later.
3. Give the four models unique names.

Compile a report (note that it might include a few error, but make sure it includes the graph) and submit the report via eCampus using the usual process. If you have any questions about the process, earlier assignments provide a more complete description of the process. I expect you to submit the assignment on eCampus *before* class. However, I have given you until noon in case you encounter technical difficulties.