Introduction to Econometrics

Summer Term 2018 - In-Class Exercise, Lecture 5

We start with analyzing a dataset which has "All-Time Movie Box-Office Revenues and Rotten Tomatoes Reviews". It can be downloaded from `http://www.stat.ufl.edu/~winner/datasets.html`.

(i) Look at which variables are present. Convert the date variable into season, i.e a factor variable with the following levels: summer, winter, spring and fall. Make sure relevant variables are considered as numeric by R.

(ii) Regress box office revenue on season and review variables. Check for various possible nonlinearities in each single variable.

(iii) Check for possible interactions between season and other regressors.

(iv) Provide the combined results of these regressions in a nice table using the R package *stargazer*.