Project

Due: Friday, 5/2

Guidelines

The project should be written as a short research report, with roughly 10 pages. Figures, tables, and references shouldn't take more than 2 pages.

The sections should be roughly: introduction (why is this dataset/probleminteresting, what do you expect to see/infer, that is, what are the important questions you want to answer using the dataset?), methods (describe/visualize the data and set an appropriate model to address your questions in the introduction), results (inference – tests, point and interval estimates –and plots), and conclusion/discussion. There's no recommendation on the number of figures; I think that as long as it drives the point home (say, explaining why you decided to transform one of the variables, or how the residuals are appropriate for the assumptions of the model), it's fine. Just be reasonable.

You can use your own dataset from your research or that you find interesting (say, the datasets from the practical session we had.) Here are some suggestions of interesting datasets in package "faraway". You can check thefull list of datasets (and functions) by issuing 'help(package="faraway")'.

africa, broccoli, choccake, chredlin, cmob, cns, death, debt, diabetes, divusa, dvisits, fat, femsmoke, gala, gavote, happy, hprice, hsb, neighbor, pima, parstum + pneumo (i.e. do both), sat, seatpos, spector, teengamb, troutegg, uswages, and wbca.