Introduction to mixed-effects regression for (psycho)linguists

In the first half of the presentation I will give a gentle introduction to mixed-effects regression applied to (psycho)linguistic data. Mixed-effects regression (or multilevel) modeling is becoming the method of choice when analyzing linguistic data where subjects have provided data for multiple items (e.g., reaction times). I will illustrate the benefits of the mixed-effects regression approach and I will analyze a dataset with reaction times step by step using the lme4 R-package. In the second half of the presentation the audience is invited to try out the analyses themselves on a new dataset. For this part it is recommended to bring a laptop with Internet access and the most recent version of R (including the packages 'lme4', 'lmerTest', 'rms', and 'car').