Linear Mixed-Effects Models (3)

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overview

- generalizing to subjects and stimuli
 - dealing with "crossed" random factors
- random effects in complex designs
- non-convergence and model validation

Language-as-fixed-effect fallacy

- Psycholinguistic experiments sample language materials as well as subjects
- Language stimuli should random, not fixed factor
- Clark's suggestion: F', min-F'
- Modern solution: Linear-mixed effects with crossed random factors of subjects and stimuli

Baayen, R. H., Davidson, D. J., & Bates, D. M. (2008). Mixed-effects modeling with crossed random effects for subjects and items. *Journal of Memory and Language*, *59*, 390-412.

Clark, H. H. (1973). The language-as-fixed-effect fallacy: A critique of language statistics in psychological research. *Journal of Verbal Learning and Verbal Behavior*, 12, 335-359.