

Barley seed example

(STATS660.2: Case studies in linear mixed models)

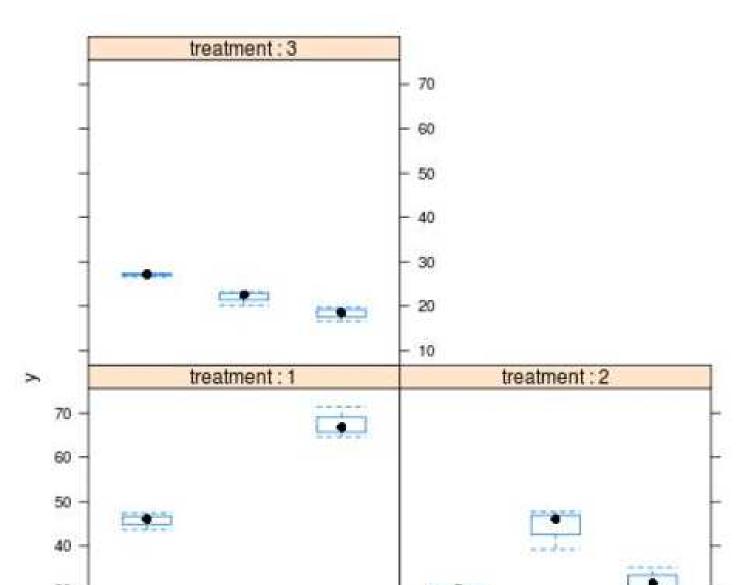
Anonymous



Anova tables, tests and estimates of variance components







Barley seed example - p. 3



The model and hypothesis





Matrix formulation





Matrix formulation



Estimating equations for α and β



Restricted maximum likelihood estimates of variances



Likelihood ratio test of hypothesis



Estimate with all effects fixed



The ss-formulas in the ANOWA tables





SS computed by 'hand'



Maximum likelihood estimates



Compare estimates of fixed effects



Compare variance and SS estimates



Compare results from assuming fixed vs random effects











The model and hypothesis

