

Rail

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

Anonymous



The Data

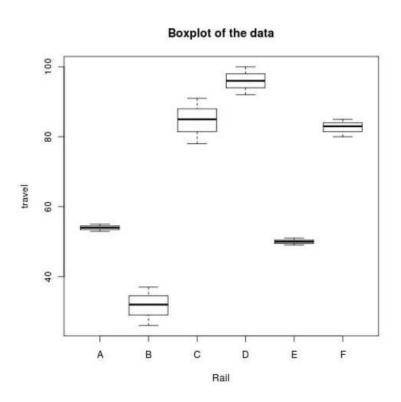


Figure 1: Boxplot of the data









Matrix formulation



Anova tables, tests and estimates of variance components.



Estimating equations (for mu and beta) and solutions.



REML estimates (of variances).





LRT of hypothesis



Estimates with all effects fixed



The SS - formulas in the ANOVA table















Compare estimates of fixed effects [sl30 vs sl60]



Compare variance and SS estimates [sl25, sl 35, sl55, sl60]



Compare results from assuming fixed vs random effects







