

Brooks-Gelman criteria of convergence applied to model 4

(3 chains; warm up 10000; 70000 runs with thin=3)

The red line=(Between + Within)/Within Chain Variation should be close to 1

Example: ANALYSIS OF KOCH's RESPIRATORY DATA

Polychotomous response: 5 categories

Respiratory scores in the original data: 0,1,2,3,4

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Model:

Location: Mixed

2 covariates with fixed effects

2=Treat (A-P), 7=Baseline (H-L),

+ Subject as random

Dispersion: mixed residual standard deviation

1 covariate with fixed effects

7=Baseline fixed

+Subject as random

Link: probit

Uniform prior on variances



