LME Notation

Laird Ware form for Single level grouping

y_{i} = X_{i}\beta + Z_{i}b_{i} + \epsilon_{i}

b_{i} \sim \mathcal{N}(0,\Sigma)

\epsilon_{i} \sim \mathcal{N}(0,\sigma^2I)

[sourece : lme for SAS proc Mixed Users, Bates Pinheiro]