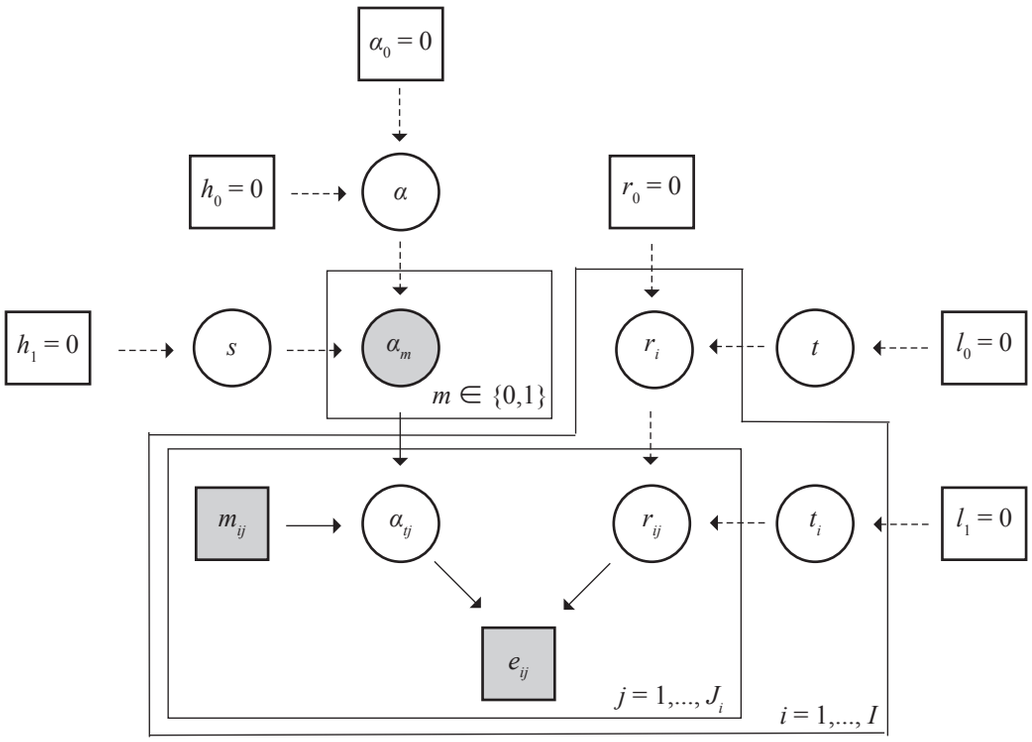

$r_i \sim \text{Cauchy}(r_0, t)$

$t \sim \text{Half-Cauchy}(l_0)$

$r_{ij} \sim \text{Cauchy}(r_i, t_i)$

$t_i \sim \text{Half-Cauchy}(l_1)$

$\alpha \sim \text{Cauchy}(\alpha_0, h_0)$

$s \sim \text{Half-Cauchy}(h_1)$

$\alpha_m \sim \text{Cauchy}(\alpha, s)$

$t_i \sim \text{Half-Cauchy}(l_1)$

$\alpha_{ij} \leftarrow \alpha_{m_{ij}}$

$e_{ij} \leftarrow \alpha_{ij} + r_{ij}$

j: sample index

i: case index