Items

$\beta_i \sim N(\mu_\beta, \tau_\beta^{-1})$

$\gamma_i \sim N(\mu_\gamma, \tau_\gamma^{-1})$ $\lambda_i \sim U[0,1]$

Subjects

$\theta_j \sim N(\mu_\theta, \tau_\theta^{-1})$

θ_1

.....

θ_m

$\beta_1, \gamma_1, \lambda_1$ $\beta_2, \gamma_2, \lambda_2$ $\cdots$ $\beta_n, \gamma_n, \lambda_n$

$$p_{ij}(r_{ij} = 1) = \frac{\lambda_i}{1 + e^{-\gamma_i(\theta_j - \beta_i)}}$$

Responses