



$$a \sim \text{Uniform}(0.67, 2.35)$$

$$s_a \sim \text{Uniform}(0, 0.485)$$

$$h \sim \text{Uniform}(0, 0.82)$$

$$s_h \sim \text{Uniform}(0, 0.237)$$

$$g \sim \text{Uniform}(0.85, 7.43)$$

$$s_g \sim \text{Uniform}(0, 1.899)$$

$$\alpha_i \sim \mathcal{N}(a, s_a^2)$$

$$\theta_i \sim \mathcal{N}(h, s_h^2)$$

$$\gamma_i \sim \mathcal{N}(g, s_g^2)$$

$$y_{ij} \sim \text{ShiftedWald}(\alpha_i, \theta_i, \gamma_i)$$