

 $y_i \sim \text{Weibull}(\sigma, \alpha)$ $\eta_{j[i]} \sim \text{Normal}(0, \sigma_c)$ $\sigma_c \sim \text{half-Cauchy}(2.5)$ $h_i \sim \text{MultiNormal}(0, \Sigma)$ $\Sigma = \sigma_p^2 \mathbf{V}_{phy}$ $\sigma_p \sim \text{half-Cauchy}(2.5)$ $\beta \sim \text{Normal}(0, 10)$ $\alpha \sim \text{half-Cauchy}(2.5)$