

Untitled

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$$\beta_j \sim \text{normal}(0, \tilde{\tau}_j^2 \lambda), \text{ with } \tilde{\tau}_j^2 = \frac{c^2 \tau_j^2}{c^2 + \lambda^2 \tau_j^2}$$

$$\lambda \sim \text{half-t}(\nu_1, 0, \lambda_0^2)$$

$$\tau_j \sim \text{half-t}(\nu_2, 0, 1)$$

$$c^2 \sim \text{inverse-gamma}\left(\frac{\nu_3}{2}, \frac{\nu_3 s^2}{2}\right)$$