



$$\beta_j | \lambda_j^2, \tau^2, \sigma^2 \sim \mathcal{N}(0, \lambda_j^2 \tau^2 \sigma^2)$$

$$z_i | x_i, \beta, \beta_0, \omega_i^2, \sigma^2 \sim \mathcal{N}(x_i^T \beta + \beta_0, \sigma^2 \omega_i^2)$$