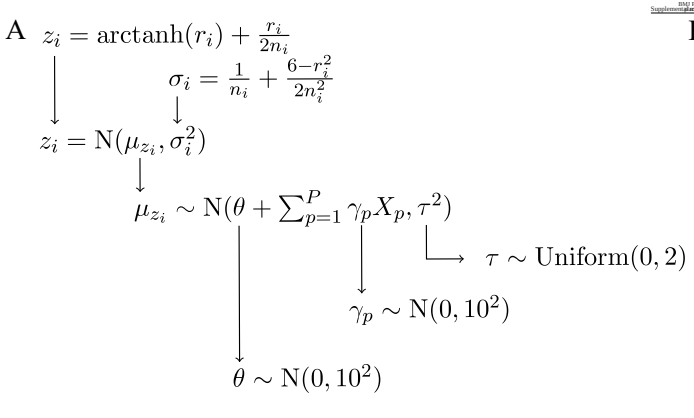
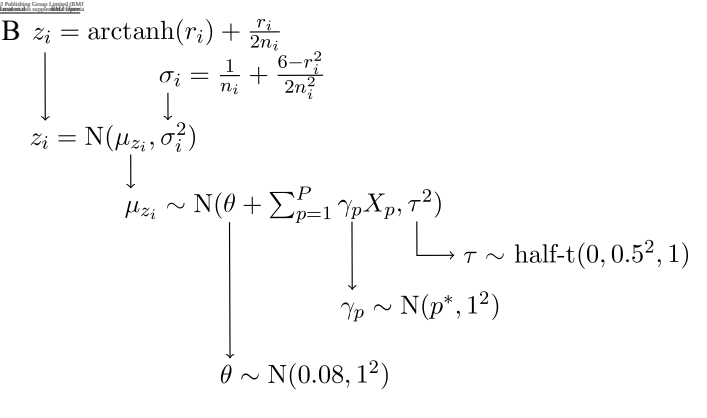

A
$z_i = \text{arctanh}(r_i) + \frac{r_i}{2n_i}$
$\sigma_i = \frac{1}{n_i} + \frac{6-r_i^2}{2n_i^2}$
$z_i = \text{N}(\mu_{z_i}, \sigma_i^2)$
$\mu_{z_i} \sim \text{N}(\theta + \sum_{p=1}^{P} \gamma_p X_p, \tau^2)$
$\tau \sim \text{Uniform}(0, 2)$
$\gamma_p \sim \text{N}(0, 10^2)$
$\theta \sim \text{N}(0, 10^2)$


B
$z_i = \text{arctanh}(r_i) + \frac{r_i}{2n_i}$
$\sigma_i = \frac{1}{n_i} + \frac{6-r_i^2}{2n_i^2}$
$z_i = \text{N}(\mu_{z_i}, \sigma_i^2)$
$\mu_{z_i} \sim \text{N}(\theta + \sum_{p=1}^{P} \gamma_p X_p, \tau^2)$
$\tau \sim \text{half-t}(0, 0.5^2, 1)$
$\gamma_p \sim \text{N}(p^*, 1^2)$
$\theta \sim \text{N}(0.08, 1^2)$