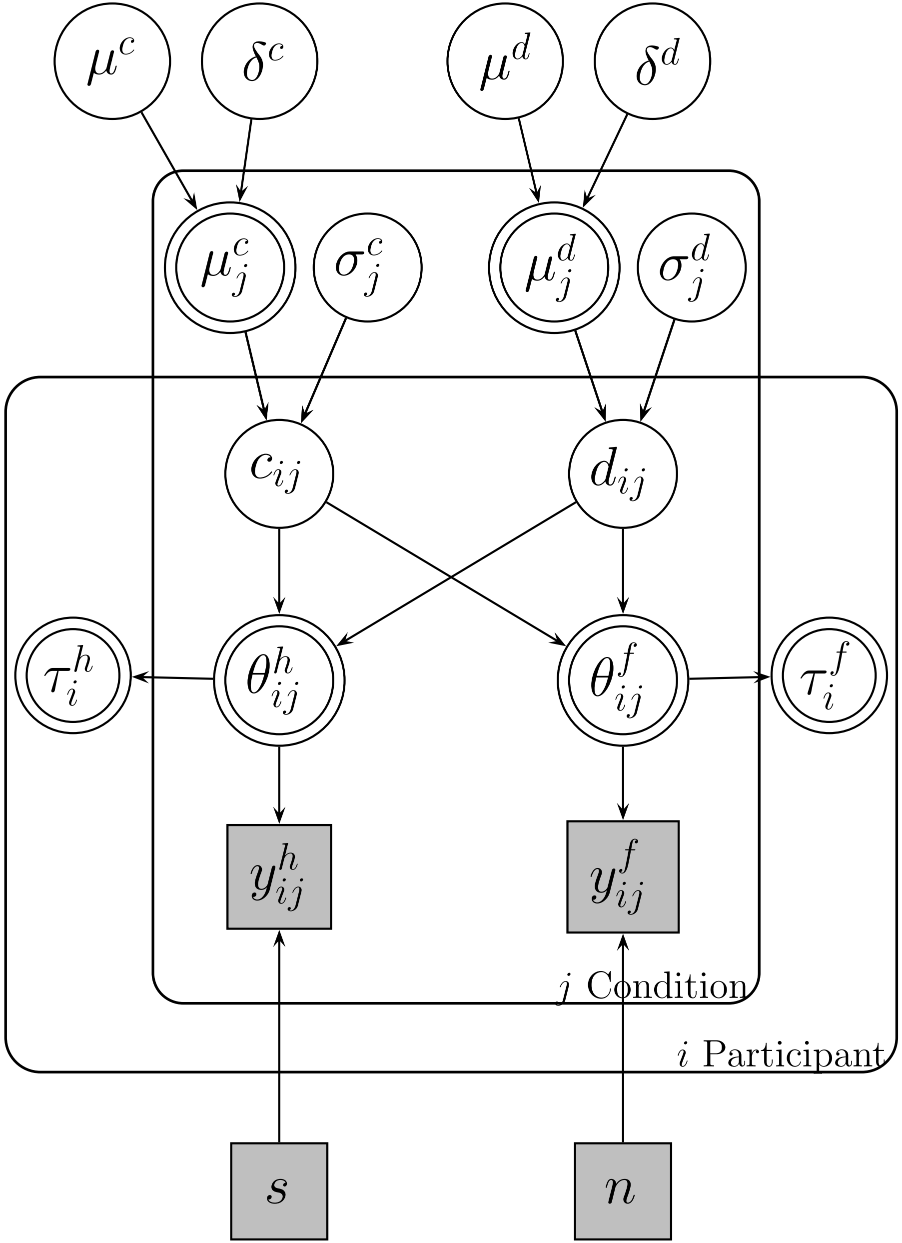

$$\mu^c \sim \text{Gaussian}(0, 0.7)$$
$$\delta^c \sim \text{Gaussian}(0, 0.3)$$

$$\mu_A^c = \mu^c + \frac{\delta^c}{2}$$
$$\mu_B^c = \mu^c - \frac{\delta^c}{2}$$

$$\mu^d \sim \text{Gaussian}(0, 1)_{T(0,6)}$$
$$\delta^d \sim \text{Gaussian}(0, 1)_{T(0,6)}$$

$$\mu_A^d = \mu^c + \frac{\delta^d}{2}$$
$$\mu_B^d = \mu^c - \frac{\delta^d}{2}$$

$$\sigma_j^c, \sigma_j^d \sim \text{Uniform}(0, 5)$$

$$d_{ij} \sim \text{Gaussian}(\mu_j^d, \sigma_j^d)$$
$$c_{ij} \sim \text{Gaussian}(\mu_j^c, \sigma_j^c)$$

$$y_{ij}^h \sim \text{Binomial}(\theta_{ij}^h, s)$$

$$y_{ij}^f \sim \text{Binomial}(\theta_{ij}^f, s)$$

$$\theta_{ij}^h = \phi(\tfrac{1}{2}d_{ij} - c_{ij})$$
$$\theta_{ij}^f = \phi(-\tfrac{1}{2}d_{ij} - c_{ij})$$
$$\tau_i^h = \theta_{iA}^h - \theta_{iB}^h \qquad \tau_i^f = \theta_{iB}^f - \theta_{iA}^f$$