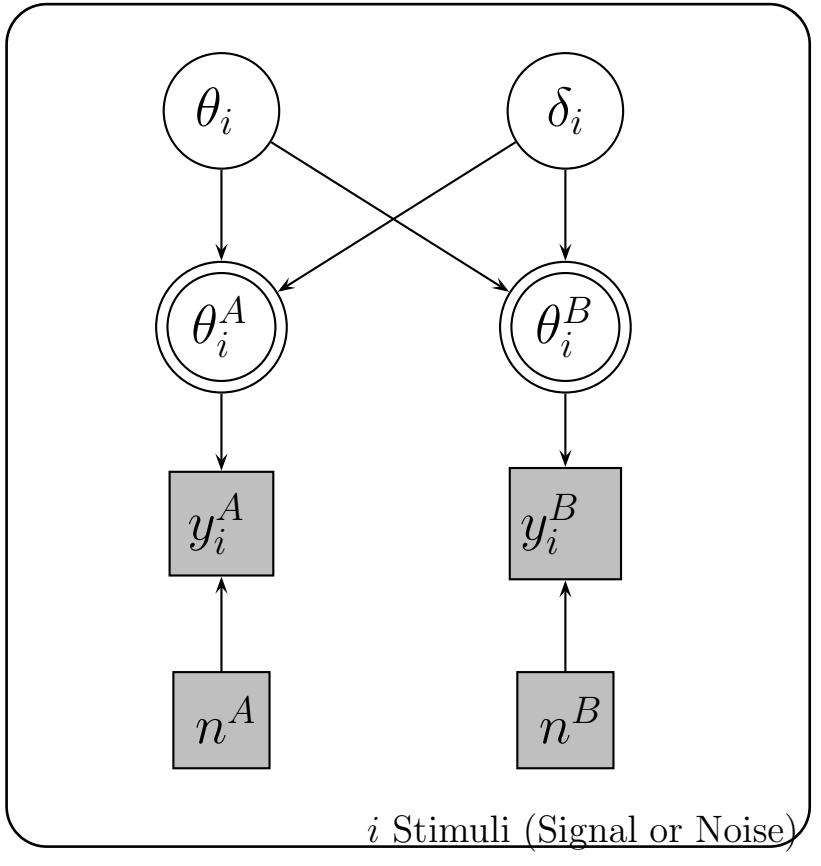

$$\theta_h \sim \text{Uniform}(0.5, 1)$$

$$\theta_{fa} \sim \text{Uniform}(0, 0.5)$$

$$\delta \sim \text{Uniform}(0, 0.5)$$

$$\theta_h^A \leftarrow \theta_i + \tfrac{\delta}{2}$$

$$\theta_h^B \leftarrow \theta_i - \tfrac{\delta}{2}$$

$$\theta_{fa}^A \leftarrow \theta_i - \tfrac{\delta}{2}$$

$$\theta_{fa}^B \leftarrow \theta_i + \tfrac{\delta}{2}$$

$$K_i^A \sim \text{Binomial}(\theta_i^A, n^A)$$

$$Fa_{ij} \sim \text{Binomial}(\theta_i^B, n^B)$$