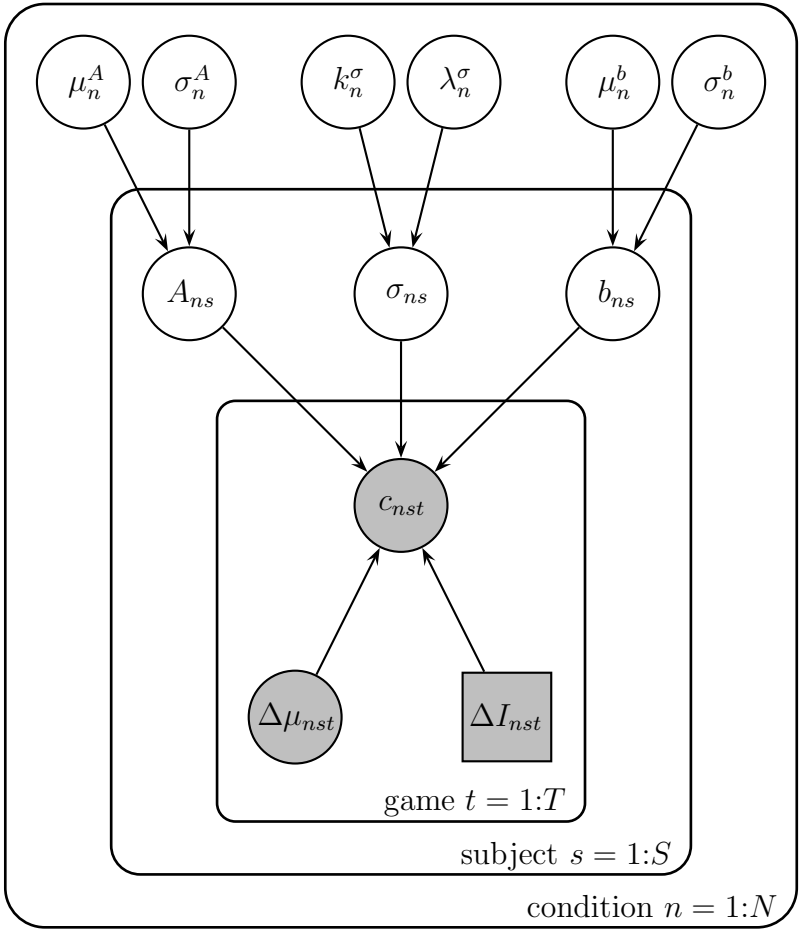

Priors

$\mu_n^A \sim \text{Gaussian}(0, 1000)$

$\sigma_n^A \sim \text{Gamma}(0.001, 0.001)$

$k_n^\sigma \sim \text{Exponential}(0.001)$

$\lambda_n^\sigma \sim \text{Exponential}(0.001)$

$\mu_n^b \sim \text{Gaussian}(0, 1000)$

$\sigma_n^b \sim \text{Gamma}(0.001, 0.001)$

Subject specific parameters

$A_{ns} \sim \text{Gaussian}(\mu_n^A, \sigma_n^A)$

$\sigma_{ns} \sim \text{Gamma}(k_n^\sigma, \lambda_n^\sigma)$

$b_{ns} \sim \text{Gaussian}(\mu_n^b, \sigma_n^b)$

Observed choices

$c_{nst} \sim \text{Bernoulli}\left(\left[1 + \exp\left(\frac{\Delta\mu + A\Delta I + b}{\sigma}\right)\right]^{-1}\right)$