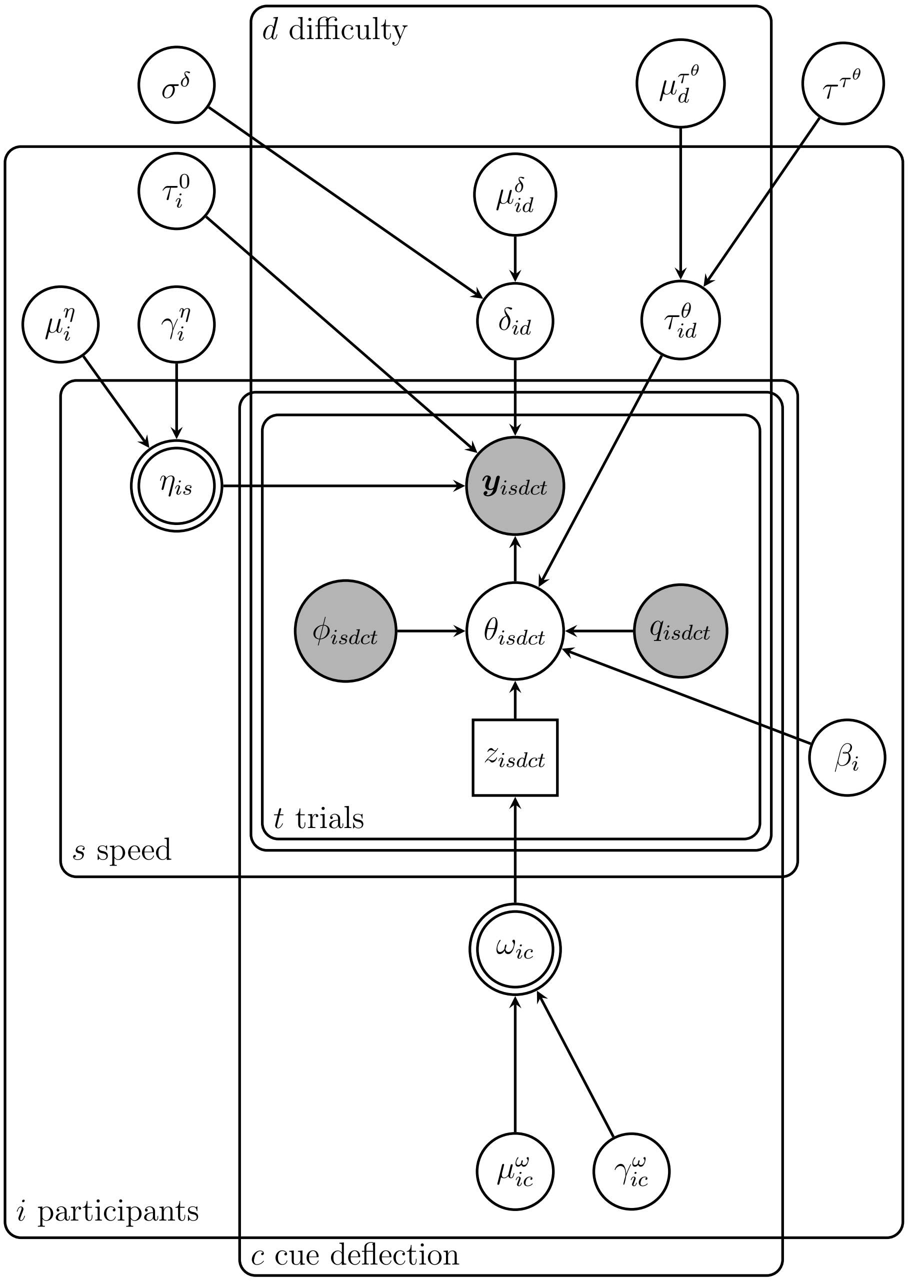

$$
\begin{aligned}
\mu_i^{\eta} &\sim \text{Gaussian}(0,1)\\
\gamma_i^{\eta} &\sim \text{Gaussian}(0,1)T(0,\infty)\\
\eta_{is} &= \begin{cases} \exp\left(\mu_i^{\eta}+\frac{\gamma_i^{\eta}}{2}\right) & \text{if } \; s=\text{accuracy}\\ \exp\left(\mu_i^{\eta}-\frac{\gamma_i^{\eta}}{2}\right) & \text{if } \; s=\text{speed}\end{cases}\\
\tau_i^0 &\sim \text{uniform}(0,\min y_{i1})\\
\mu_{id}^{\delta} &\sim \text{Gaussian}(0,1)\\
\sigma^{\delta} &\sim \text{uniform}(0,1)\\
\delta_{id} &\sim \text{log-Gaussian}\left(\mu_{id}^{\delta},\frac{1}{\left(\sigma^{\delta}\right)^2}\right)\\
\mu_d^{\tau^{\theta}} &\sim \text{Gaussian}(0,1)\\
\tau^{\tau^{\theta}} &\sim \text{uniform}(0,4)\\
\tau_{id}^{\theta} &\sim \text{log-Gaussian}\left(\mu_d^{\tau^{\theta}},\frac{1}{\left(\sigma^{\tau^{\theta}}\right)^2}\right)\\
\mu_{ic}^{\omega} &\sim \text{Gaussian}(0,1)\\
\gamma_{ic}^{\omega} &\sim \text{Gaussian}(0,1)\\
\frac{\omega_{ic}}{1-\omega_{ic}} &= \begin{cases} \exp\left(\mu_{ic}^{\omega}+\frac{\gamma_{ic}^{\omega}}{2}\right) & \text{if } \; c>0\\ \exp\left(\mu_{ic}^{\omega}-\frac{\gamma_{ic}^{\omega}}{2}\right) & \text{if } \; c<0\\ \exp\left(\mu_{ic}^{\omega}\right) & \text{if } \; c=0\end{cases}\\
z_{isdct} &\sim \text{Bernoulli}\left(\omega_{ic}\right)\\
\beta_i &\sim \text{Gaussian}\left(0,1\right)\\
\theta_{isdct} &\sim \begin{cases} \text{Gaussian}\left(\phi_{isdct},\tau_{id}^{\theta}\right) & \text{if } \; z_{isdct}=0\\ \text{Gaussian}\left(q_{isdct},\beta_i\tau_{id}^{\theta}\right) & \text{if } \; z_{isdct}=1\end{cases}\\
\boldsymbol{y}_{isdct} &\sim \text{CDDM}\left(\delta_{id},\eta_{is},\tau_i^0,\text{mod}(\theta_{isdct},2\pi)\right)
\end{aligned}
$$