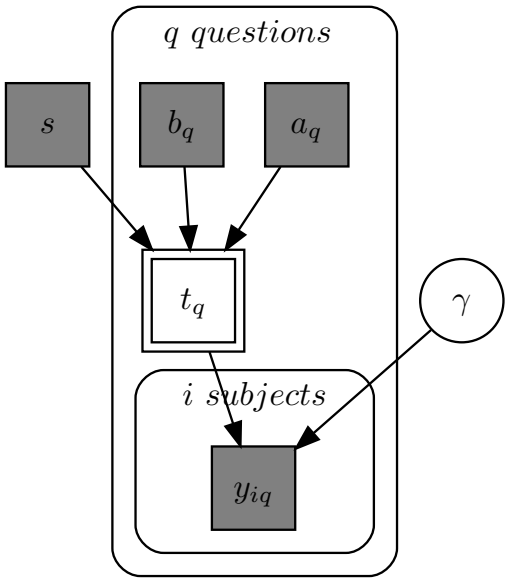
TTB



$$t_q = TTB_s(a_q, b_q)$$
$$\gamma \sim Uniform(0.5, 1)$$
$$y_{iq} \sim \begin{cases} \text{Bernoulli}(\gamma) & \text{if } t_q = a \\ \text{Bernoulli}(1-\gamma) & \text{if } t_q = b \\ \text{Bernoulli}(0.5) & \text{otherwise} \end{cases}$$