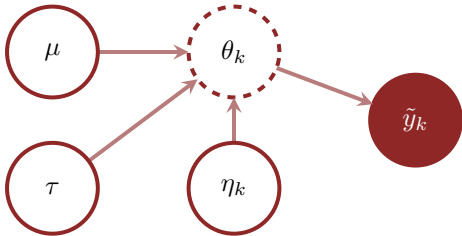


## Strongly Informative Individual Likelihood Function



$$\pi(\tilde{y}_k, \eta_k, \mu, \tau) = \pi(\tilde{y}_k \mid \mu + \tau \cdot \eta_k) \cdot \text{normal}(\eta_k \mid 0, 1) \cdot \pi(\mu) \cdot \pi(\tau)$$