

Normal(ν, τ^2)

Latent quantity distribution

μ_1

μ_2

\dots

μ_n

Individuals' latent quantity

$\begin{bmatrix} M_{11} \\ M_{12} \\ \vdots \\ M_{1J} \end{bmatrix}$

$\begin{bmatrix} M_{21} \\ M_{22} \\ \vdots \\ M_{1K} \end{bmatrix}$

\dots

$\begin{bmatrix} M_{31} \\ M_{32} \\ \vdots \\ M_{1L} \end{bmatrix}$

Individuals' observations