

$$\begin{array}{ccc}
 x_i \sim \text{Normal}(\mu, \sigma^2) & & \\
 \downarrow & \searrow & \\
 & \sigma^2 \sim \text{InvGamma}(\alpha_0, \beta_0) & \\
 \mu \sim \text{Normal}(\mu_\mu, \sigma_\mu^2) & &
 \end{array}$$