

Parameter	Form	Hyperparameters
α	truncated normal	$N_{[0,1]}(\alpha_\mu, \alpha_\sigma), \alpha_\mu = 0.5, \alpha_\sigma = 0.1$
μ	normal	$N(\mu_\mu, \mu_\sigma), \mu_\mu = -0.4, \mu_\sigma = 0.1^2$
σ^2	inv-gamma	shape = 0.5, scale = 0.5
ϕ	lognormal	$\log\phi \sim N(\phi_\mu, \phi_\sigma),$ $\phi_\mu = -7, \phi_\sigma = 0.2$
τ_I^2	inv-gamma	shape = 0.5, scale = 0.5
τ_P^2	inv-gamma	shape = 0.5, scale = 0.5
β_0	normal	$N(\beta_{0,\mu}, \beta_{0,\sigma}), \beta_{0,\mu} = 0,$ $\beta_{0,\sigma} = 4 \times 10^{-2}$
β_1	normal	$N(\beta_{1,\mu}, \beta_{1,\sigma}), \beta_{1,\mu} = 1.14,$ $\beta_{1,\sigma} = 4 \times 10^{-2}$