REGULARIZING PRIOR FOR THE ACTOR COEFFICIENT

Outcome: L_i = pulled left

$$L_i \sim Bernoulli(p_i)$$
$$logit(p_i) = \alpha_{actor[i]} + \gamma_{block[i]} + \beta_{treatment[i]}$$
$$\gamma_j \sim Normal(0,\ \sigma_\gamma), \text{for } j = 1..6$$
$$\alpha_j \sim Normal(\alpha_0,\ \sigma_\alpha), \text{for } j = 1..7$$

ALL THE MISSING PRIORS TO COMPLETE THE MODEL

$$
\begin{aligned}
L_i &\sim Bernoulli(p_i) \\
logit(p_i) &= \alpha_{actor[i]} + \gamma_{block[i]} + \beta_{treatment[i]} \\
\gamma_j &\sim Normal(0,\ \sigma_\gamma), \text{for } j = 1..6 \\
\alpha_j &\sim Normal(\alpha_0,\ \sigma_\alpha), \text{for } j = 1..7 \\
\beta_j &\sim Normal(0,\ 0.5), \text{for } j = 1..4 \\
\alpha_0 &\sim Normal(0,\ 1.5) \\
\sigma_\alpha,\ \sigma_\gamma &\sim Exponential(1)
\end{aligned}
$$