SOME TECHNICAL DETAILS

CENTERED POOLED EFFECT

The most common way to represent a normal distribution is with the usual mean and sd parameters:

$$x_j \sim N(\mu, \sigma)$$

This is equivalent to:

$$\tilde{x}_j \sim N(0, 1)$$

$$x_j = \mu + \tilde{x}_j \sigma$$

Centered coefficient

$$logit(p_i) = \alpha_{actor[i]}$$

$$\alpha_j \sim Normal(\alpha_0, \sigma_\alpha), \text{for } j = 1..7$$

$$\alpha_0 \sim Normal(0, 1.5)$$

$$\sigma_\alpha \sim Exponential(1)$$