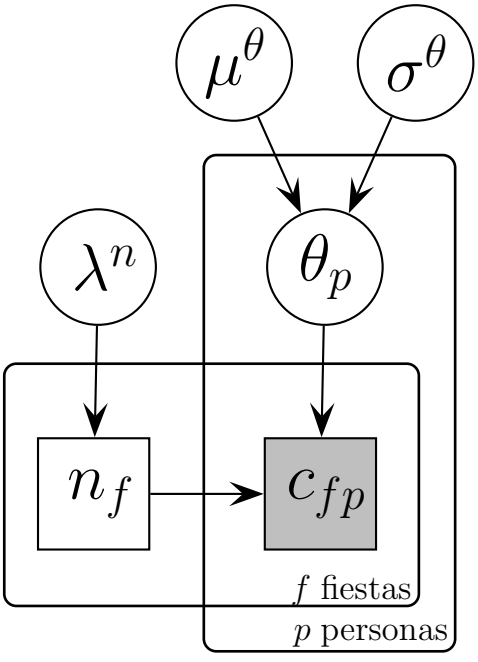

$$\mu^\theta \sim \text{Uniforme}(0, 1)$$

$$\sigma^\theta \sim \text{Uniforme}(0, 20)$$

$$\lambda^n \sim \text{Uniforme}(0, 60)$$

$$\theta_p \sim \text{Beta}(\mu^\theta/\sigma^{\theta 2}, (1 - \mu^\theta)/\sigma^{\theta 2})$$

$$n_f \sim \text{Poisson}(\lambda^n)$$

$$c_{fp} \sim \text{Binomial}(\theta_p, n_f)$$