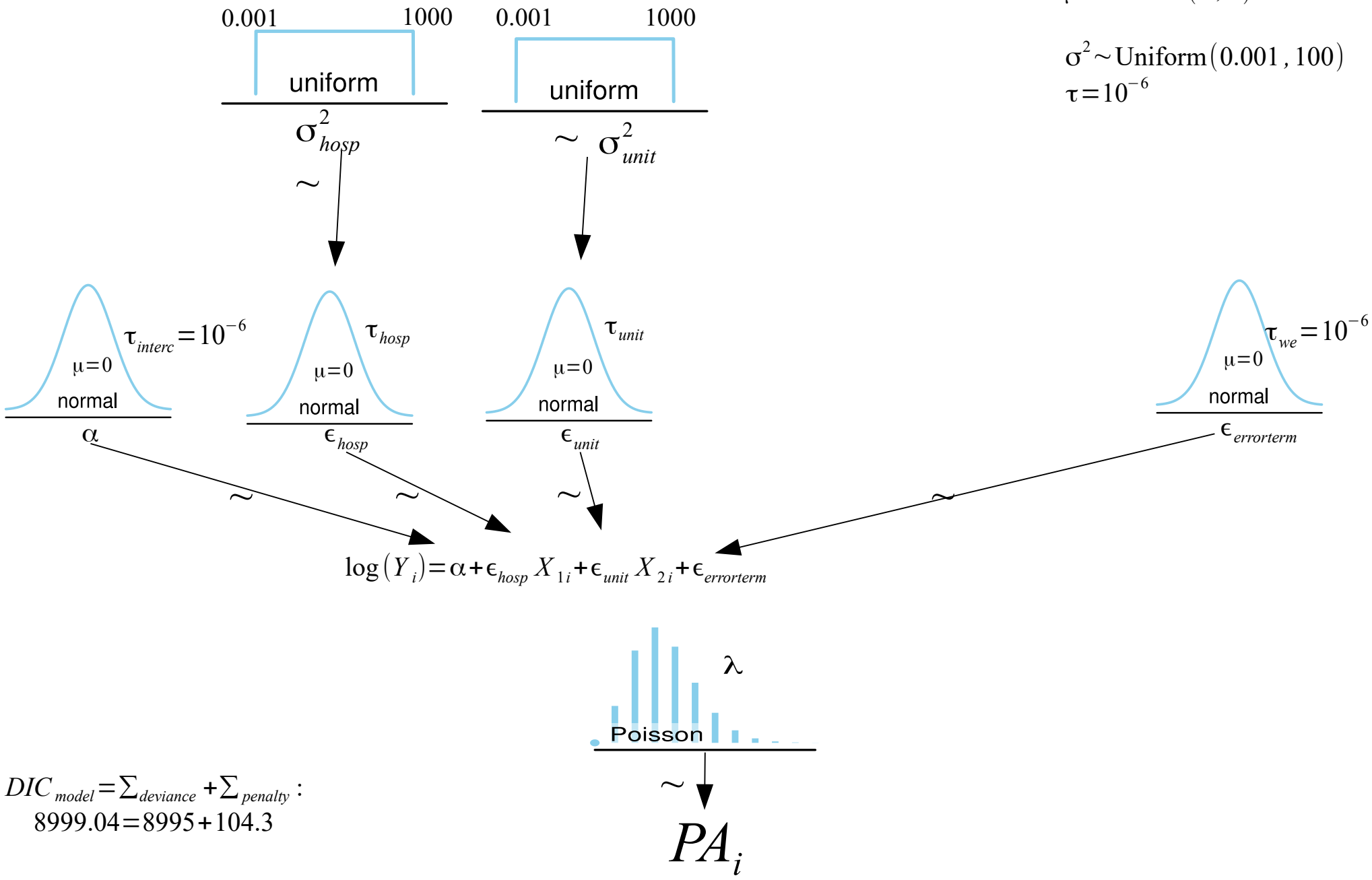
POISSON MODEL - *Uniform precision prior*

*MODEL : Random intercept only*

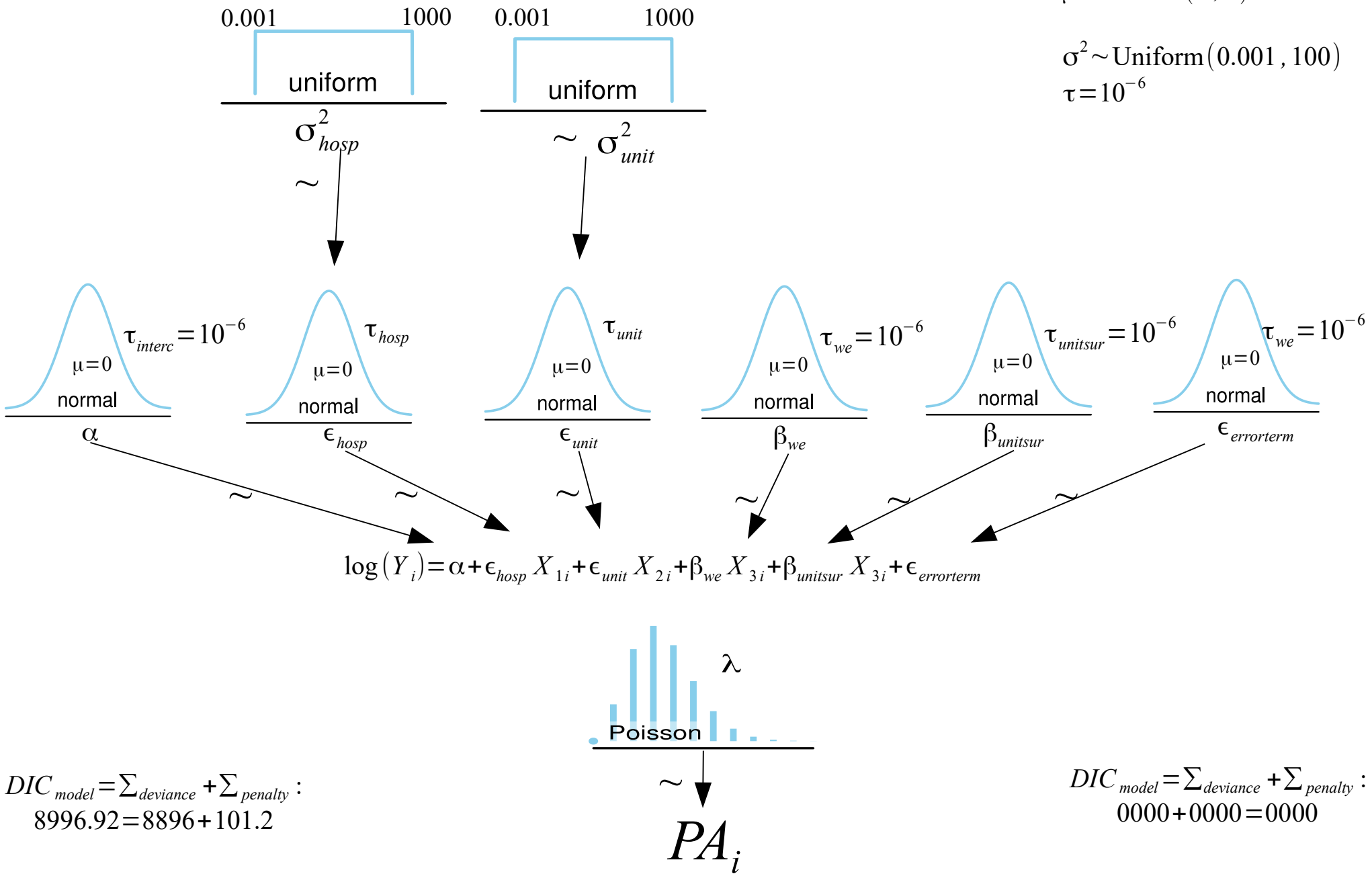



$DIC_{model} = \sum_{deviance} + \sum_{penalty}$ :

$8999.04 = 8995 + 104.3$

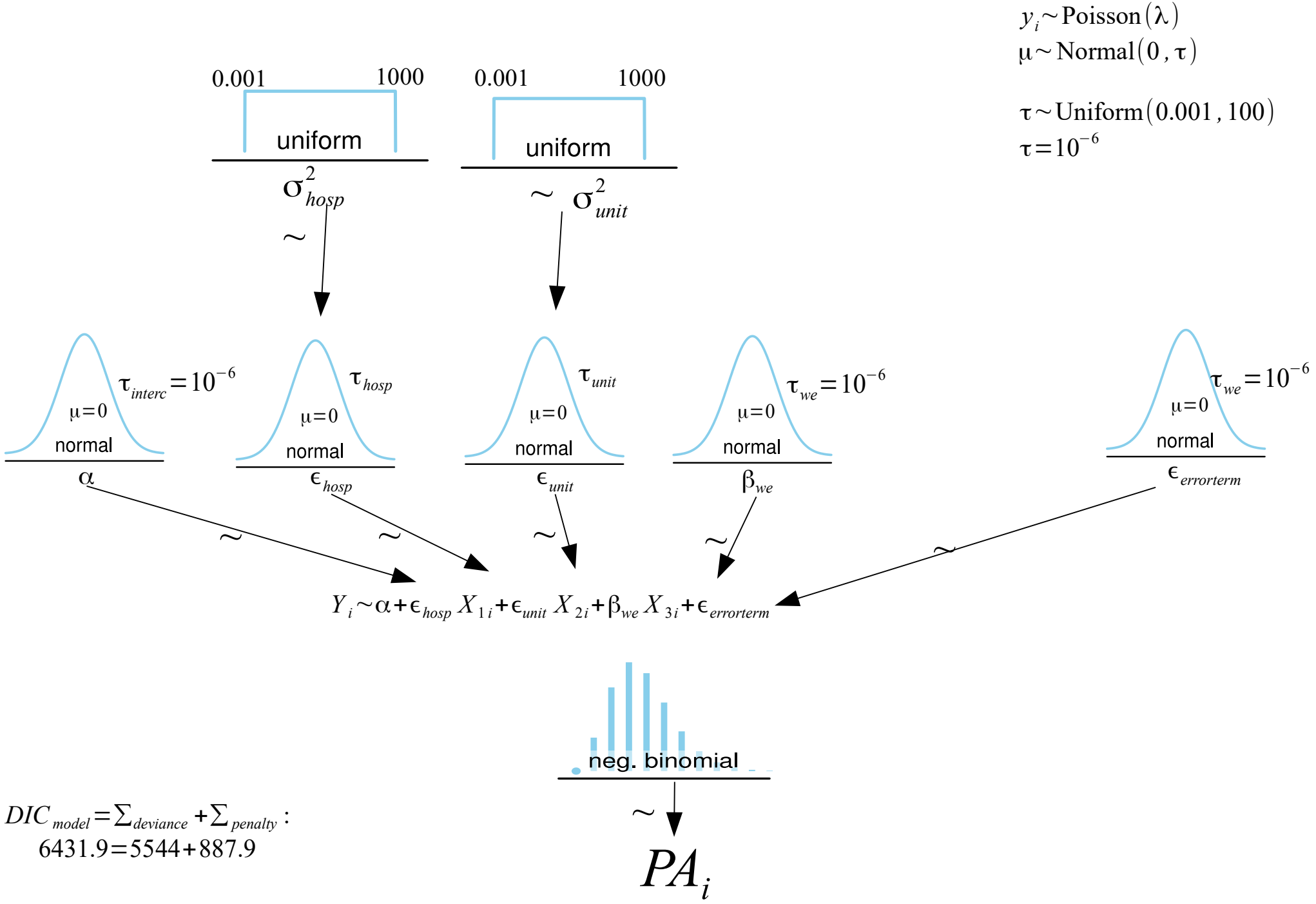
POISSON MODEL - *Uniform precision prior*

*MODEL : Random intercept + optimal variable selection based on DIC*



NEGATIVE BINOMIAL MODEL - *Uniform precision prior*

*MODEL : Random intercept + optimal variable selection based on DIC*




$DIC_{model} = \sum_{deviance} + \sum_{penalty}$ :

$6431.9 = 5544 + 887.9$