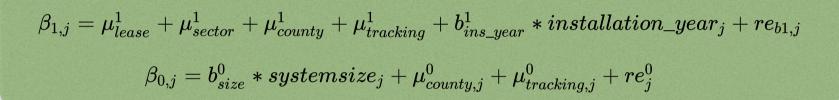
$\sigma \sim halfcauchy(0,5)$ 

 $b \sim cauchy(0,\sigma_b)$ 

 $\mu \sim cauchy(0,\sigma_{\mu})$ 



$$\hat{y} = eta_{0,j} + eta_{1,j} * MonthsOperation + \sum Months$$



$$log(production_{i,j}) = cauchy(\hat{y}, \sigma^2)$$