

$$\mathbf{B} \sim \text{cauchy}(0,5)$$

$$\mu \sim \text{cauchy}(0,5)$$

$$b_s = \mu_{b,lease} + \mu_{b,sector} + \mu_{b,manuf} + \mathbf{B}_{fy} first_prod_year_s + \\ \mathbf{B}_{size} csi_rating_s + \mathbf{B}_{lease} cost_per_kw_s$$

$$\hat{y} = \mathbf{month} \beta^m + \alpha_s + b_s months_operation_scaled_i$$

$$prod_scaled_i = \text{normal}(\hat{y}, \sigma^2)$$