ADDING BLOCKS USING MIXED MODELS

$$y_i \sim Normal(\mu_i,\ \sigma)$$

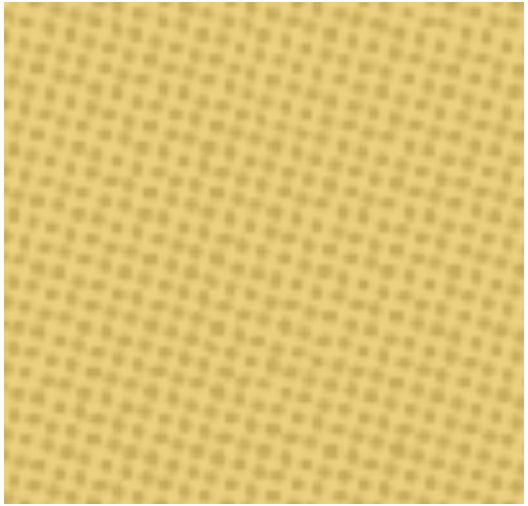
$$\mu_i = \alpha_0 + \alpha_{block[i]} + \beta x_i$$

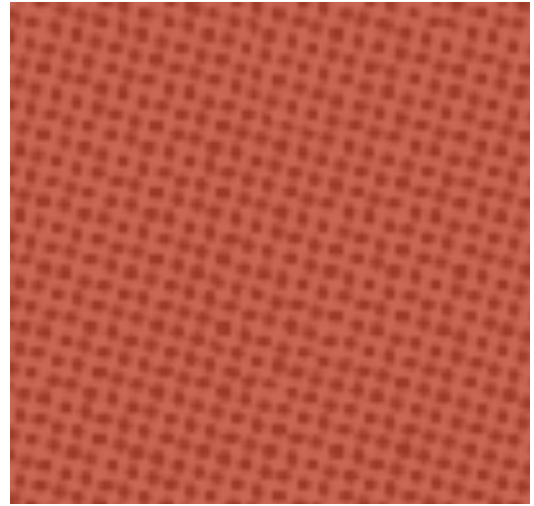
$$\alpha_k \sim Normal(0,\ \sigma_\alpha), \text{ for } k \text{ in } \{1, \cdots, N_{blocks}\}$$

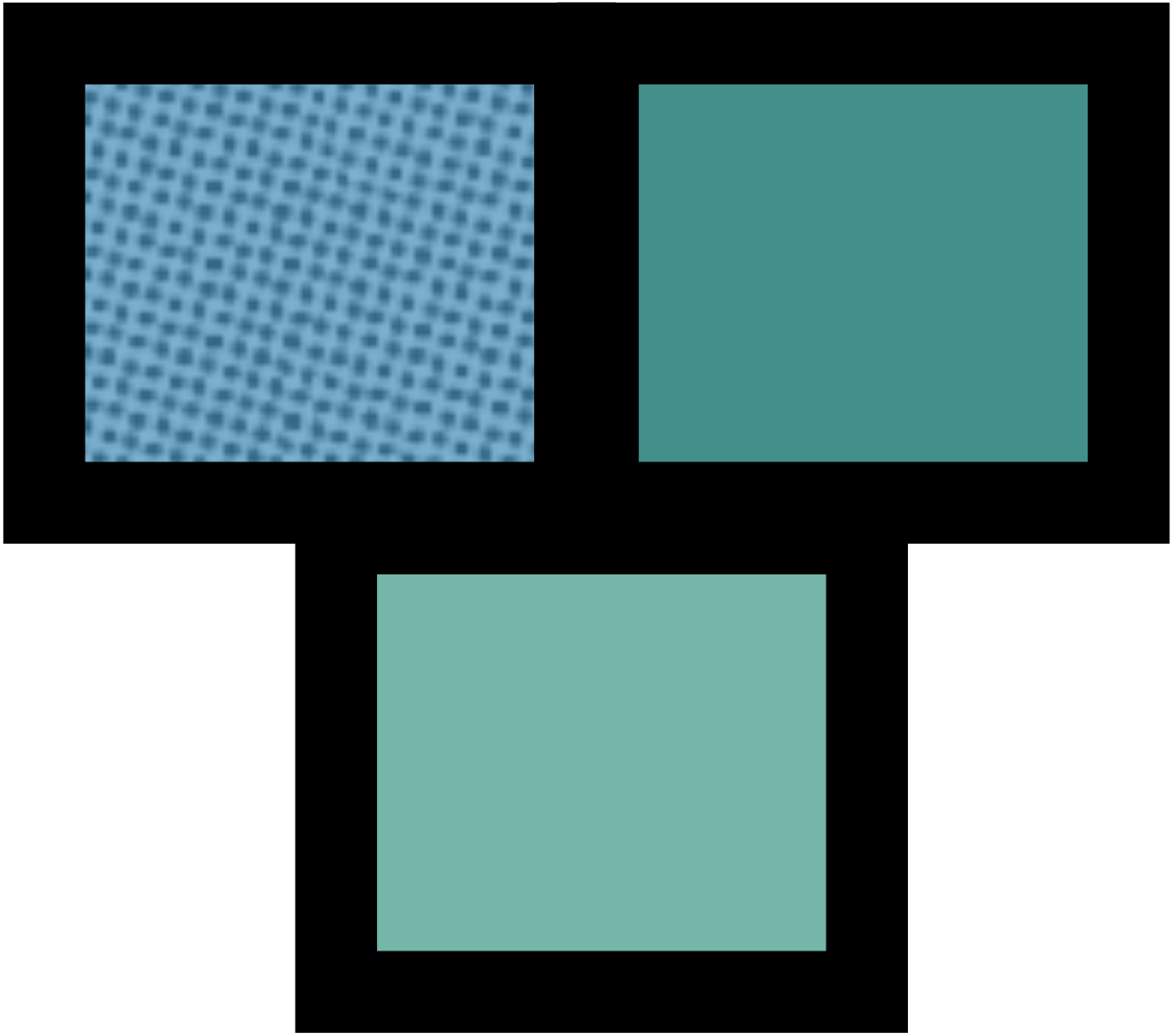
$$\alpha_0 \sim Normal(0,\ 1)$$

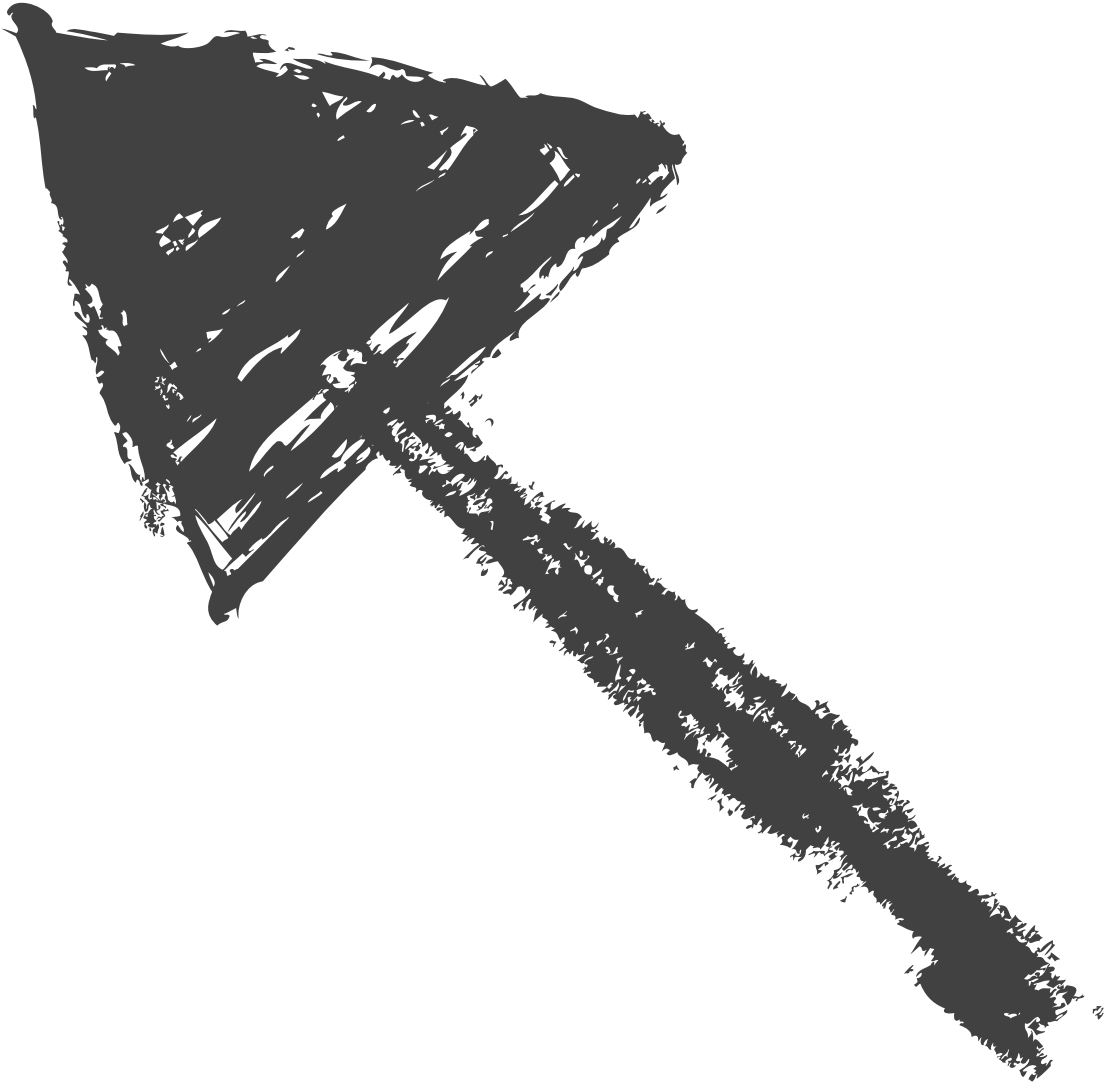
$$\beta \sim Normal(0,\ 0.3)$$

$$\sigma,\ \sigma_{block} \sim Exponential(1)$$

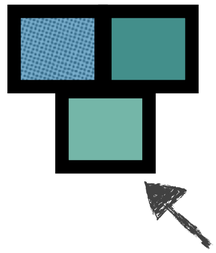








ADDING BLOCKS USING MIXED MODELS



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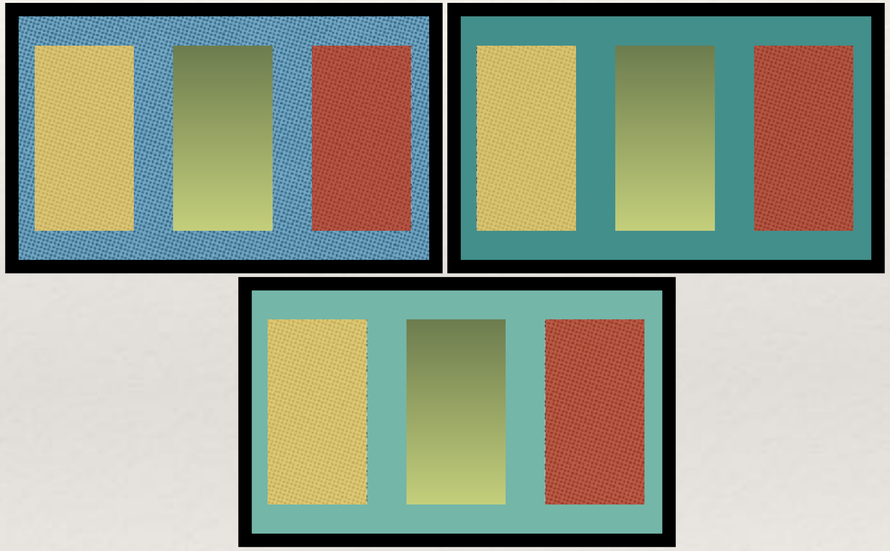

BIG EXAMPLE COMING UP!

QUESTIONS?