

Sound font size music. small

I ~ group of subject i

Levels music.

medium lorge

 $y_i|g_i, \mu, \sigma^2 \stackrel{ind}{\sim} N(\mu_{g_i}, \sigma^2)$ $g_i \in \{1, ..., G\}, i=1, ..., n$

Alternative

$$E(y_{i}) = \beta_{0} + \beta_{i} \wedge A_{i} + \dots + \beta_{G-1} \wedge A_{G-1}, i$$

$$T(g_{i}=1) \qquad T(g_{i}=G-1)$$

4's are indicators or dummy variables

A, B ~ Factors

6 treatment groups

Additive model: (good for no interactions between factors) $E(y_i) = \mu + \alpha_2 I(a_i = 2) + \beta_2 I(b_i = 2) + \beta_3 I(b_i = 3)$

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