

# R Notebook

$$\begin{array}{llll} \beta_0 = & \frac{\mu_1 + \mu_2 + \mu_3}{3} & = & \text{grand mean response} \\ \beta_1 = & -0.707\mu_1 + 0.707\mu_3 & = & \text{measure of a linear trend in the mean response} \\ \beta_2 = & 0.408\mu_3 - 0.816\mu_2 + 0.408\mu_3 & = & \text{measure of a quadratic trend in the mean response} \end{array}$$