STAT2008 / STAT 6038

Nested Models

$$Y = \beta_0 + \beta_1 \times_1 + \beta_2 \times_2 + \beta_3 \times_3 + \varepsilon$$

Vs $H_0: \beta_4 = \beta_5 = 0$ $H_A: \text{ not both } 0$

at least one of By, Bs + 0

 $F_{2,16} = 4.6638$; p = 0.02536

as $p < \infty = 0.05$ reject to in favor of the and conclude we need at least one of these additional bems in the model

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