Inference for contrasts

$$C = (c_1, c_2, ..., c_g) \in \mathbb{R}^g$$

$$E\left[\frac{3}{2}, c, \overline{y}, \right] = \sum_{i=1}^{g} c_i, \mu_i \Rightarrow \text{ unbiased estimator}$$

$$Var\left(\frac{3}{2}, c, \overline{y}, \right) = \sum_{i=1}^{g} c_i^2, \frac{\pi^2}{n_i} \text{ ("estimation accuracy", standard estor)}$$

$$=) \text{ Use } T = \underbrace{\sum_{i=1}^{g} c_i \overline{y}_i, -\sum_{i=1}^{g} c_i \mu_i}_{\text{in}} \sim t_{n-3}$$

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