

例題 9.12

$$m = \binom{3}{2} = 3$$

$$F_{0.05}(3-1, 11-3) = 3.74$$

$$S = \sqrt{MSE} = \sqrt{0.092} = 0.303$$

$$\sqrt{(k-1)F} = \sqrt{(3-1)3.74} = 2.73$$

$$\mu_2 - \mu_1 : (1.53 - 0.63) \pm 2.73 \times 0.303 \sqrt{\frac{1}{6} + \frac{1}{5}} = (0.399, 1.401) \quad \text{不包含 } 0$$

$$\mu_3 - \mu_2 : (1.91 - 1.5) \pm 2.73 \times 0.303 \sqrt{\frac{1}{6} + \frac{1}{6}} = (-0.098, 0.858) \quad \text{包含 } 0$$

$$\mu_3 - \mu_1 : (1.91 - 0.63) \pm 2.73 \times 0.303 \sqrt{\frac{1}{6} + \frac{1}{5}} = (0.779, 1.781) \quad \text{不包含 } 0$$

減肥藥 2 和 3 無明顯差異，但 1, 2 與 1, 3 間有差異