

習 12

(依 習 10)

DATE ☐ ☐ ☐

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

$$F_{0.05}(3-1, 17-3) = 3.174$$

$$S = \sqrt{MSE} = \sqrt{0.092} = 0.303, \quad \sqrt{(k-1)F} = \sqrt{(3-1)3.174} = 2.173$$

95% 信賴區間

$$\mu_2 - \mu_1: (1.53 - 0.63) \pm 2.173 \times 0.303 \times \sqrt{\frac{1}{6} + \frac{1}{5}} = (0.399, 1.401) \nearrow \hat{\mu}_0$$

$$\mu_3 - \mu_2: (1.91 - 1.53) \pm 2.173 \times 0.303 \times \sqrt{\frac{1}{6} + \frac{1}{6}} = (-0.098, 0.858), \quad \hat{\mu}_0$$

$$\mu_3 - \mu_1: (1.91 - 0.63) \pm 2.173 \times 0.303 \times \sqrt{\frac{1}{6} + \frac{1}{5}} = (0.779, 1.781) \nearrow \hat{\mu}_0$$

習 11