例題9.10

$$SST = \sum_{i=1}^{3} \sum_{j=1}^{h_i} y_{ij}^2 - \frac{T^2}{h} = 39.159 - 33.264 = 5.895$$

SSTR =
$$\sum_{i=1}^{k} \left(\frac{T_i}{n_i} \right) - \frac{T^2}{n} = 37.873 - 33.873 = 4.609 17-3 = 14$$

$$MSTR = 2.305$$
 $MSE = 0.092$ $F = \frac{2.305}{0.092} = 25.05$

$$F = \frac{2.305}{0.092} = 25.05$$

F = 25.05 > Fo.05 (2,14) = 3.74

→棄卻什。, 有明顯差署

聯合信賴區間計算

$$M = \begin{pmatrix} \frac{3}{2} \end{pmatrix} = 3$$
, $\frac{\alpha}{2m} = \frac{0.05}{243} = 0.0083$

M2-M=(1、53-0.63) ± 2.718 x0、303× 1++==10、401,1、399)、不見言の M3-M2:(1.91-1.53) ±2.718 ×0.303× 「七+七=(-0.095, 0.855), 包含0 M3-M=(1.91-0.63) ±2.718×0.303× 1++==(0.781,1.779),不包含の

※減肥藥ン與3之間無顯著差異,但3法1,2與1,3間有。

9.12 $(9.10) \quad m = (3) = 3 \quad , \quad F_{act}(3-1,17-3) = 3.74$ $S = \int MSE = \int 0.092 = 0.303 \quad , \int (12-1)F = \int (3-1)3.74 = 2.73$ $M_2 - M_1 = (1.53 - 0.63) \pm 2.73 \times 0.303 \times \int \frac{1}{5} + \frac{1}{5} = (0.399, 1.401) \quad , \quad \pi = 60$ $M_3 - M_2 = (1.91 - 1.53) \pm 2.73 \times 0.303 \times \int \frac{1}{5} + \frac{1}{5} = (-0.098, 0.858) \quad , \quad 0 \le 0$ $M_3 - M_1 = (1.91 - 0.63) \pm 2.73 \times 0.303 \times \int \frac{1}{5} + \frac{1}{5} = (0.799, 1.781) \quad , \quad \pi = 60$ 制定結果與多重も聯合信賴區間方法相同,沒有減肥藥2與3之間無蓋著差累,但此該,算出信賴區間較寬。