22.11.15 HW 10. 2024314. 2027

¥ /1,1.4.

» Let's find SSTr. LSSE.

$$SS7 = \frac{7}{2} = \frac{12}{12} (.7ii - 7...)^{2}$$

$$= \frac{2}{2} \cdot 12 \cdot (x_{i} - x_{-})^{2} + \frac{2}{2} \cdot (x_{i} - x_{i})^{2} + \frac{2}{2} \cdot (x_{i} - x_{i})^{2}$$

SSTr - calculable

$$Sin(e, Z.. = \frac{Z_{Zi-}}{7} = 8.2614.29, SST_v = 7.6138.29...$$

then. SSE = 125.77

$$t$$
-value = $\frac{MSTr}{MSE} = \frac{SStr/k-1}{SSE/n-k} \approx 0.7769 \text{ NF6.77}$

.. p. value = 0.59

11.1.f.

(a). $M_{ii} - M_{i2} = \frac{9\alpha_i k.V.}{\sqrt{2}} = \sqrt{\frac{1}{n_{i1}} + \frac{1}{n_{i2}}} = \frac{9\alpha_i k.V.}{\sqrt{2}} = \sqrt{\frac{1}{n_{i1}} + \frac{1}{n_{i2}}} = \sqrt{\frac{1}{n_{i1}} + \frac{1}{n_{i2}}}} = \sqrt{\frac{1}{n_{i1}} + \frac{1}{n_{i2}}} = \sqrt{\frac{1}{n_{i1}} + \frac{1}{n_{i2}}}} = \sqrt{\frac{1}{n_{i1}} + \frac{$

 $4_{0.05}, 3,30/\sqrt{2} = 3.49 = 2.46780$

7 C.I. of 2 2.34352 3.3|+2.34352

= 9xh.Vg. fitth 2 2 34552

C.I. of $z_2-z_3 = (4.37-2.3435^2, -4.37+2.3435^2)$

C.I. of 73-11 : (1.06.-2.34352), $(1.06+2.3435^2)$

(6)

$$\frac{44.74}{\overline{2}}$$

$$\frac{48.05}{\overline{2}}$$

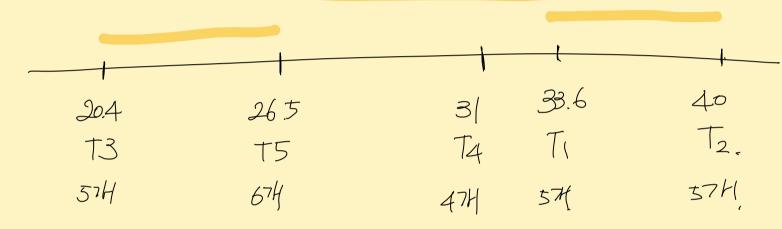
$$\frac{49.11}{\overline{2}}$$

(c) = $L = \sqrt{2} \cdot \frac{1}{0.05,3} \cdot \frac{1}{11} \cdot \frac{1}{0.05,3} \cdot \frac{1}{11} \cdot \frac{1}{0.05} \cdot \frac{1}{0.05,3} \cdot \frac{1}{0.05,3}$

F-Value = 5285. N = 2,30. P-Va => different layout affect. many. #11.1.20.

(a)		\leq	df	XXS	
	Grap	1102.74	4	275.685	18,50855
	Crror	297,9	20	14.895	
	Total.	1400.64	24		

$$\beta$$
-value 20.
(b) Since $\frac{905,520}{2} = 2.99106..., 0=500 = 3.85940$,



T2'S treatment effect is largest, T3's is smallest.

11.1.24

Ho: Mi= ...= Us, Ha: Ho is not.

Check F-test.

	\leq	df		F
Grap	596.3	4	149.075	24,4385.
Cror	91.5	15	6.1	
Total.	687.8	[9		

p. value 20.

There is evidence that some pocation is different about E.collin pollution land 5 ince <math>90.05.5.15 = 4.37, 8 = 5.3965

28.75 29 12.13 21	37 L4	X2 25

Les ties hightest, L2/L3 ties smallest. E. coli level