Physics 341 -Lecture 23

$$\begin{cases}
N_{total} = N = 1 = an - 1 \\
N_{treatwt} = a - 1 \\
N_{treatwt$$

$$SS_{TOTAL} = (N-1) * VAR(....)$$

$$SS_{TOLEMANENT} = \sum_{i=1}^{n} n(\bar{x}_i - \bar{x})^2$$

$$SS_{TOLEMANENT} = SS_{TOLEMANEN}$$

$$SS_{TOLEMANEN} = SS_{TOLEMANEN}$$

$$SS_{max} = \frac{552}{ij} - N - \bar{z}^2$$

MS

Jy.

ANOVATABLE

Source

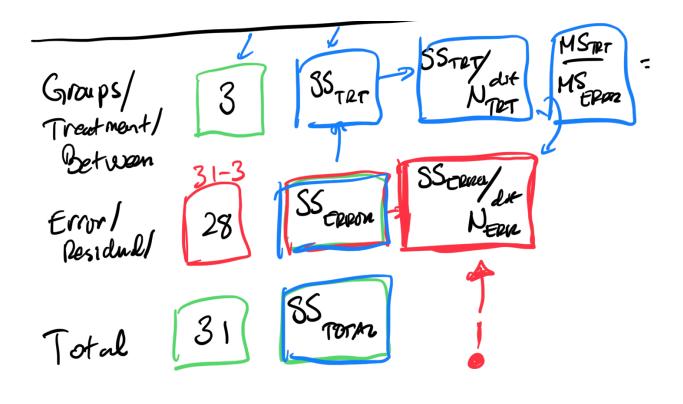
It

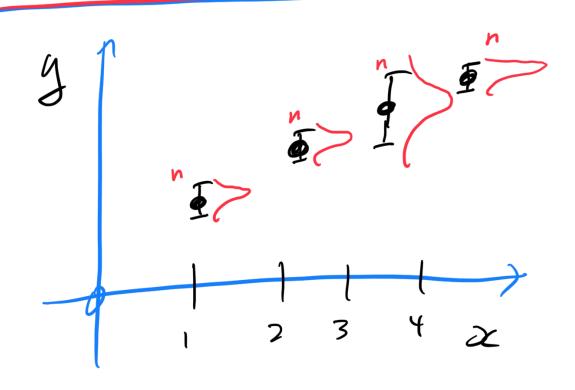
SS

MS

f

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What do we do next?

Are the different settings (i) NO F416 10 REJECT (ii) Which ones as defforet? DONE, 王 NOT ALL THE SAUG THE SAME THE DATA

-> YLUI 1110 2-1

Tukey's HSD Test.

Honestly Significant Difference.

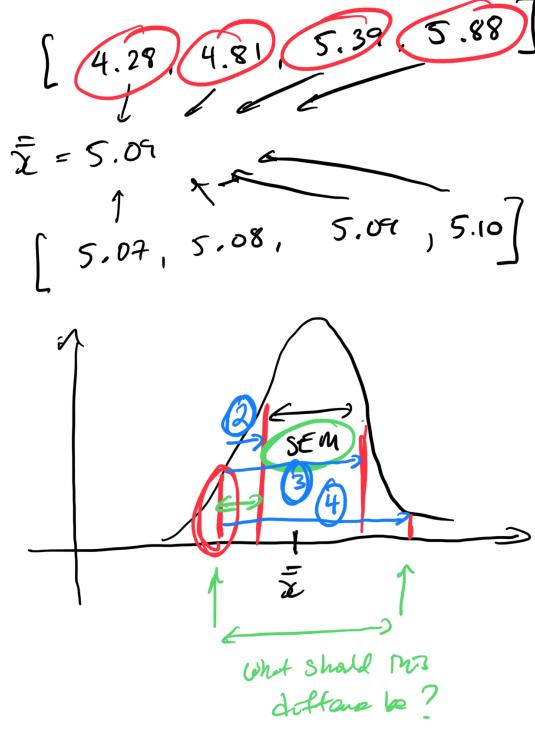
Procedure

(1) Standard Error

SEM = 1 MSerry

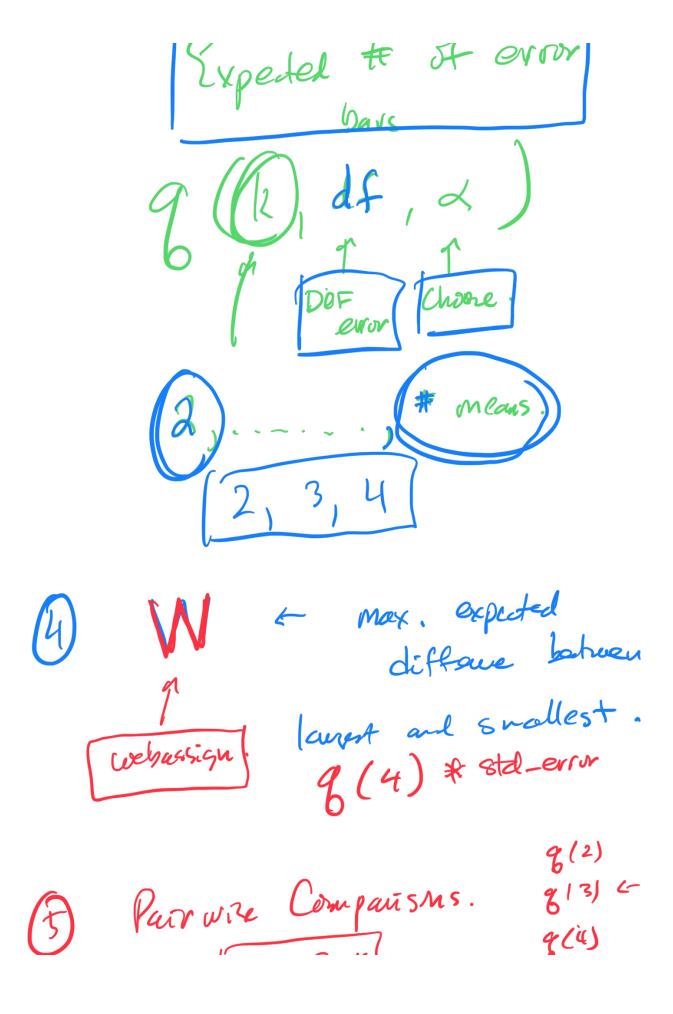
\$12e of "error han"

Order the means from small est to largest.



Gosssett

3 Studentized Range B Value.



Snotot layert

Actual

1 15. 4
$$\overline{x}_{q} - \overline{x}_{1}$$

1 15. 3 $\overline{x}_{3} - \overline{x}_{1}$

1 15. 3 $\overline{x}_{3} - \overline{x}_{1}$

2 15. 4 $\overline{x}_{q} - \overline{x}_{2}$

2 15. 4 $\overline{x}_{q} - \overline{x}_{2}$

2 15. 4 $\overline{x}_{q} - \overline{x}_{2}$

3 15. 4 $\overline{x}_{q} - \overline{x}_{3}$

(n-1)!

ordered

pulices.

Expeled 9(3) * std. g(2) * stdg(3)* g(2)*—

$$\overline{\chi}$$
, $\overline{\chi}_2$, $\overline{\chi}_3$, $\overline{\chi}_4$
 $\chi_{(2)}$ $\chi_{(3)}$ $\chi_{(3)}$

