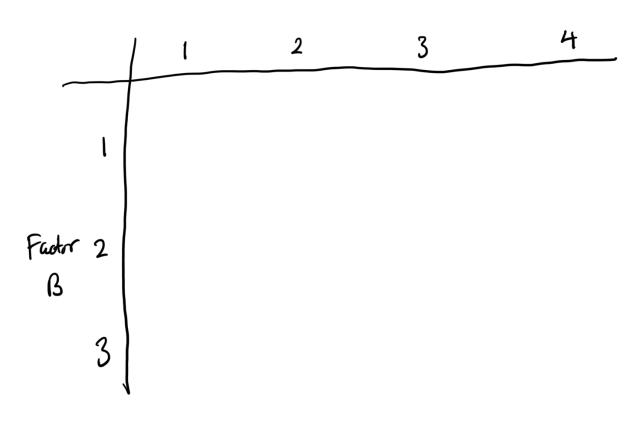
Physics 341 - Lecture 25

-) A few comments about assignmenti

-> Multi-Factor ANOVA

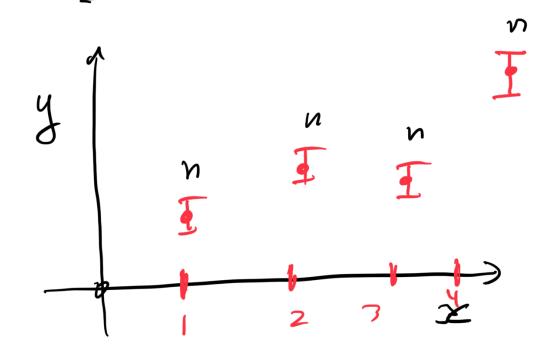
Factor A



Tuby's HSD

std_error = VMSemr (i) q (2) dot-error, d) 1 (Zi) 2 - takey (b, doferm, 2) Japoter Motebooks 3-tubey imput 3-tubey ANOVA. ipyns $q = n_{p,auraey}(1-,-,-3)$

Multi-Fastar ANDVA



"hite 17 bitch, Thou you die."

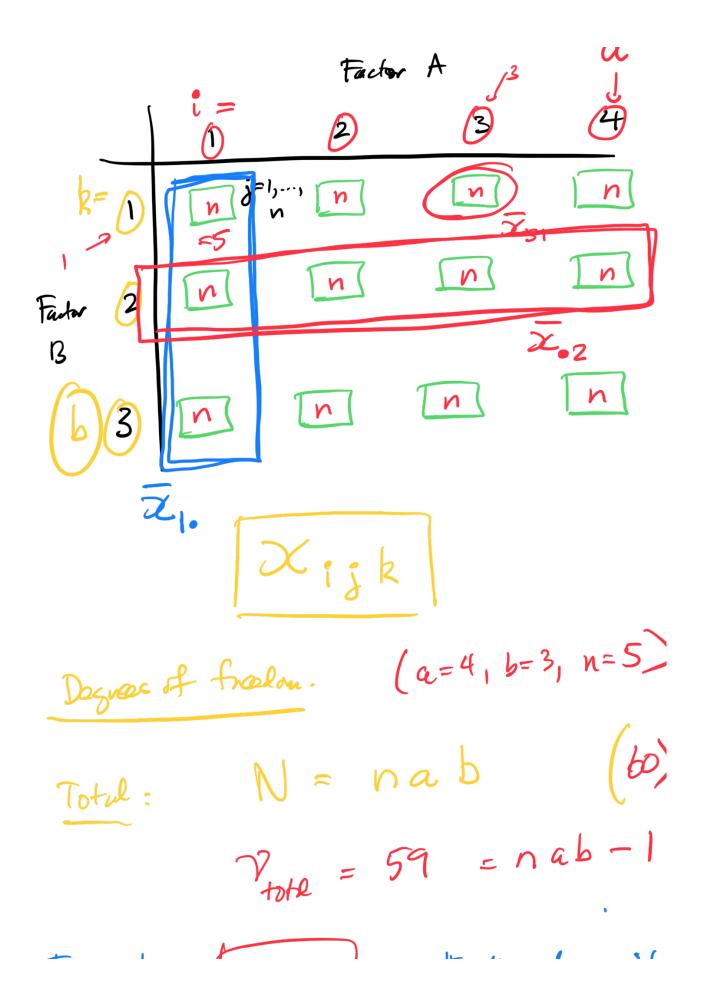
-> y (x, t, r, s, m, gurnum

1) this do we analyze?

1 How do we design the experi

Two-Faster Expained

 \frown



Trectut = "setting of exposition" = ab - 1 711) Vomer = PHAL - Ptrestut = nab / - (ab/) : nab-ab = (n-1)ab= 4.4.3 = (48) $n \ge 2$ [3]

Single Factor

2 - Factor

$$\mathcal{V}_{\text{TOTAM}} = \text{Nab} - 1$$

$$\mathcal{V}_{\text{ARTHMENT}} = \text{ab} - 1$$

$$\mathcal{V}_{A} = \text{a-1}$$

$$\mathcal{V}_{B} = \text{b-1}$$

$$\mathcal{V}_{AB} = (\text{a-1})(\text{b-1})$$

$$\mathcal{V}_{\text{EDTR}} = (\text{n-1}) \text{ab}$$

Soms of Squas.

Syle Faster. DE: At each setting.

$$SS_{B} = \frac{\frac{1}{2}(\bar{x}_{0k} - \bar{z})^{2}n\alpha}{\frac{1}{2}(\bar{x}_{0k} - \bar{z})^{2}n\alpha}$$

$$SS_{TREATMENT} = \frac{35}{25} \left(\frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right)^{2} \right)^{2}$$

$$a = 3$$

$$b = 4$$

$$N = 24$$

$$n = 2$$

$$Propo = 23$$

$$\mathcal{D}_{A} = 2$$

$$\mathcal{D}_{B} = 3$$

$$\mathcal{P}_{A} = 6$$

$$\mathcal{P}_{TeT} = 11$$

$$\mathcal{P}_{Exam} = 23 - 11 = 12$$

$$\left[\text{dita}_{pt.}, i, k \right]$$