Exp Design (2m al.)

from land time:

- frankatt a hypothese (Mut get manipulated?)

(how way IV, ~ experient completely

note the ferry of these

perp it transalle)

- Sperify factorial design, if that's appropriate es 2 x 3 experient fontral design

2 FV, one et 2 levals (=) 6 titals needel

- Kap track (Stipulate) DV - What gets meaning

Proformine: efficiency (speed) es prince to complete

effectiveness (accuracy) =, A wrow

shirting

sochypathon es. grustismaine

18556 methis (Usability)

yether occording to divide the divides,

hearing think about

the of toush: vary only one condition (IV) at a fine,

keep all Ise constant

(hard to do practically various condition)

(came of effect) listerale - die partingents ent bench

(refue conductly truls --
graphy outh (like too beford

control)

Mathodology:  -hypothesis: what outrous are expected?  based a what approprias / grant trouble ?
-Design: type of desyn: observational stelly?  (obsorvations or in-field?  (obsorvations or in-field?  (obsorvations) / Geden-ships  (particular secondary) / Leaden-ships  (p
Shut =) Leanlotus  SI A, B, C, D, E, P  SZ B, C, D, E, F, A, B  SY D, E, F, A, B, C  SS E, F, A, B, C, D  Consterants  Leaning / fatyer  Of randomize)

- Apparatus Pohin eye Amber, etc saply exter - Procedures:

- what shipests were told, instruction quen?

any training? (construction) (how many points?

when wan if done?)

- Tasks:

- how much did trey know - how much was differed?

- how much did trey know - how much was differed?

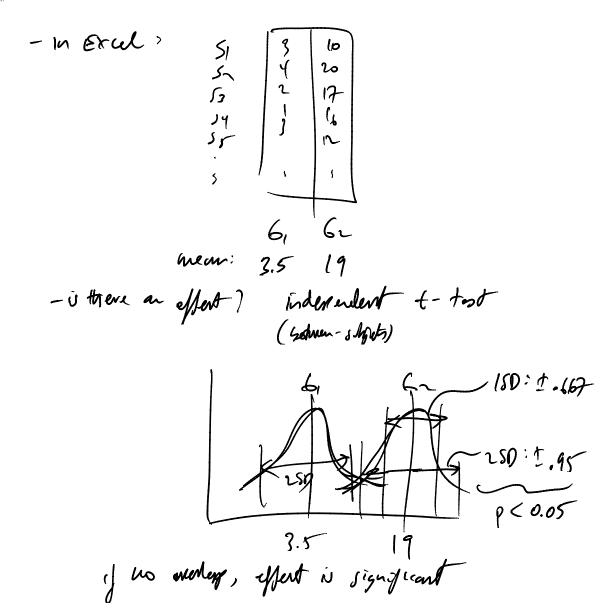
- how It decrewe participants, but don't yin

engliss wany extre

(also Handborn Mext)

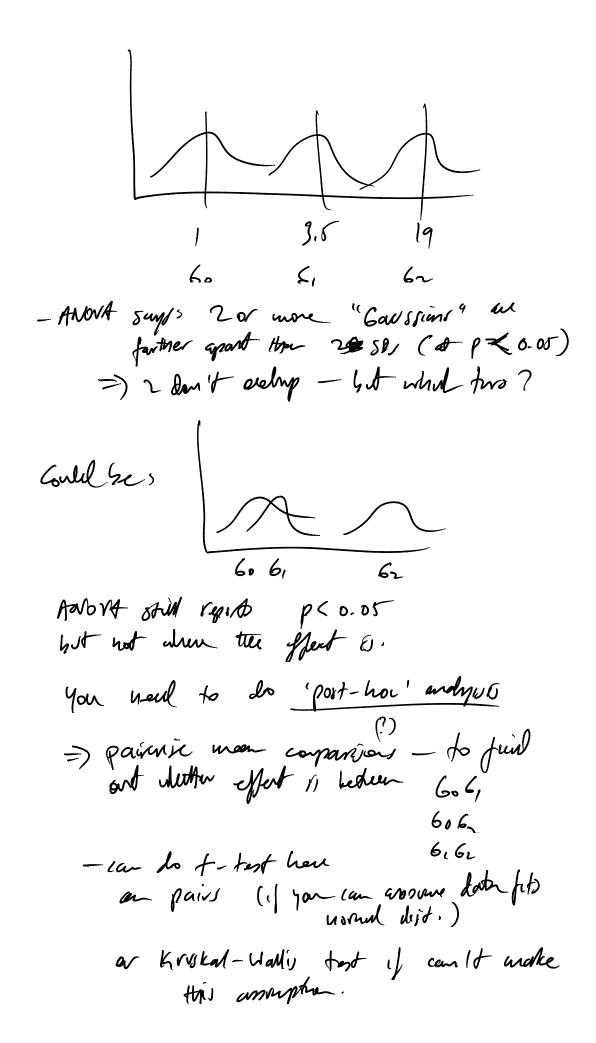
- farta	ich desjus : B.	2×3 1 2 3 leikle 2 leines of B	? A: vandes
	A. 6, G.	1 = 3 lukle	gp A: vander gp with shi
	A1   C1   G2	L level of 9	S. varies
	Az [G, 62]	"mixed" design "heste	
	A 60 64	2x3 fully independent	<u>let</u>
	A. 65 66	hpoAnt (	for andysis

- Statutual Analysi : moth 'too!' (eg. Avorto) &-test)  deputy on type of duth  i nother of independence
- basic approuds: - collect laster for groups of participants e. L groups: banneck ad an ords page
B, G2  Ao Ap  L hanner ad bliriks  L hanner al 10 statich
-run 10 parturpents per group, count fitadas, take annuage  Fitatus  G, Gr (Stati) (dynami)



- t-Fost: company 2 means (2 colvins of down) - Let's all in control condition - no adj - 5 people per group, n= 15 -com it do & I-way t-tost - use ANOVA (Archso a) varine) like a multi-column votesion of t-tast - ANDYA: plug in 3 colvers of deaths, get bak P = 4,76/ p = 0.07 hore, we see a significant effects p < 0.05 to rupor, F(2,12) = 4.76/, P<0.05 of: Agreen of ferbound should not up to 4-1 (14) first newson is condition -1 (colums)

3-1=2, 14-2=12



for pain	of destrictions (hohum) inders	(withi)
Nominal	Cho-sqsare	Sign Fest
Ordinal	Mmn-Whitney U	Wilcomon signed parts
Parmetur	f-test for linder. meny	t-test
Nominal: usi	sally not measural.	- categorial desk
Ordinal s	only denotes order Scored or mid	(e.j. Lop 5 Hern)
Gandally	uniform, equal of the to licothors an an equal or 4 freator over an	Uke
dr Lei	wite "price" something (or wife, demand	ndre, lis, witerestry?)
May	the: cognitive (oarl 6)	peratural assuption)

for	df>2	indep	har-indep	
	ron-paranetra	dio-sy.	Krishal Willie	
	paradoni	ANOVA	ANOVA	$-\int$
	- let h	constan (	underte colvers t normal dist stance scale - lon It VX A	

## Statistical Pools ) parkages:

- Excel has state parkage - new to enable - not the most powerful - or for deswiptile (mean, sp. --)
- or for har drawts

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Minitab

- free version of St Gundon reasons Gundo version (m our fromta Cs)