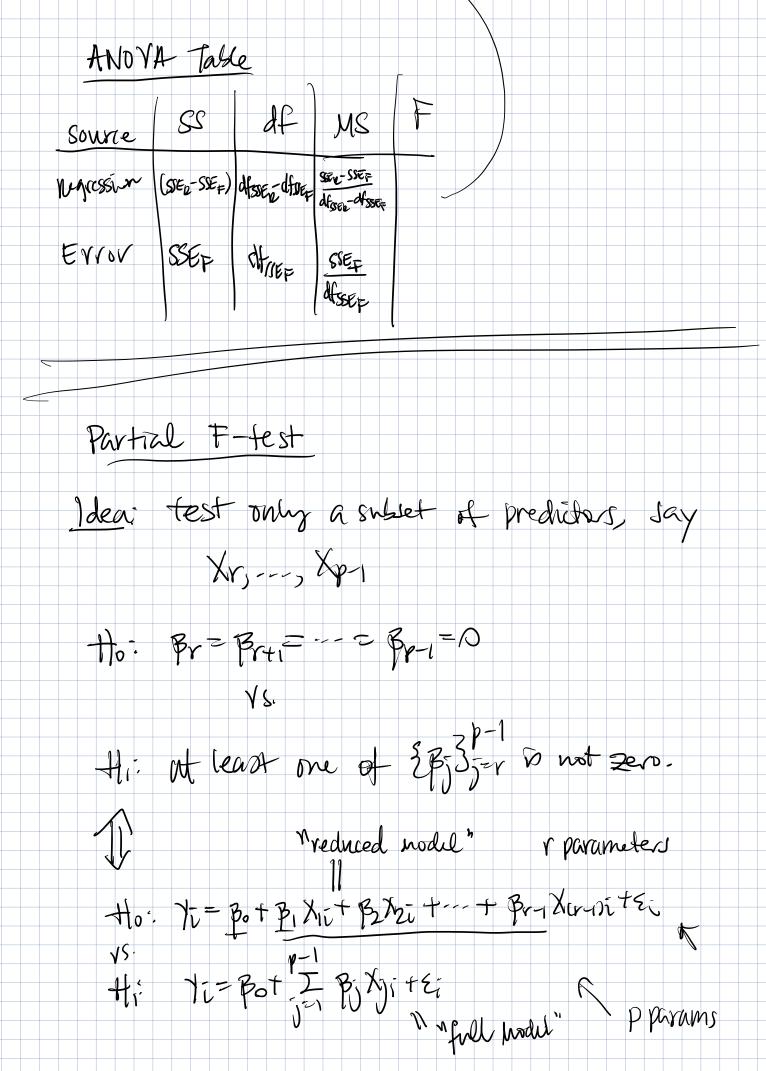
> +1: Y= Bo+ B1X11+ B2X21+--+ B4, X4, 11+5:

Afrel wall "



Hoi Y=XB7+E where B*z (Fin) HI YZYBTZ Where BZ (B) T= (SSEp)/(p-r) Ho T= (SSEp)/(n-p) + Fp-r, n-p If #> Fp-r,n-p (1-a) then reject the & say we have evidence that me of 2xn-, xp-3 is a sig- pred of y conditions on X, - , Xr, beig in the sadel 7; = shoe size Ho: Y==Bot B, heightite; X1,= héight Hi: Yi=BotBireight; +Bzweight, +E; Xu = weight Var (3) = (# #)

Specific Predictor F-test H.: Br1=0 exact same I-state, except Hi. Brito p-v=1 T= (SER-SSER)/1 Hp, 7-1, n-p SSER (n-p) 12 Peletes to a + sfet on Bp1: += Br-1- & where St (Bp1) = Vav (Bp-1)

SE(Bp1) $\widehat{SE}(\widehat{B}_{p-1}) = \widehat{\nabla}^2 \underbrace{\Gamma(\widehat{X}[X))}_{p,p}$ B~N(B, 52(XTX)-1) Ver (B) = (Var (B))
Var (B)

Decision	for t-tes	+:			
14 1617	7 tn-p (1-	d/2).	tun i	eject 40)	& claim that
				Y condi	
				, in the	
	•		V		
Adjusted	P ²				
	that P	2 (01/10	sfor -	AZ ANOVA	7 breakdown,
p ² =	= 1- 537				
tack y	. V		,		
				m2 5 a	
	$\sim \chi_1 + \chi_2$	+Y	V		ways on-decreasing.
ns y	~ XitXz	1/3			J
22 WITH 0	aluxus VI	Zh Ar	e héses	t wall.	Caryatta
					re/do model
selecti					

It doesn't take into account the "cost" of losing

degrees of freedom that hoppers when we control
unnecessary coefficients.

So we can adjust the D2 def to try to percline
exten uncessary coefficients; $\frac{SSE/(n-P)}{SST/(n-1)} = 1 - \frac{MSP}{MST}$

Holvertage Pa doesn't always increase as predictors
are added & Can be for wodel relection.