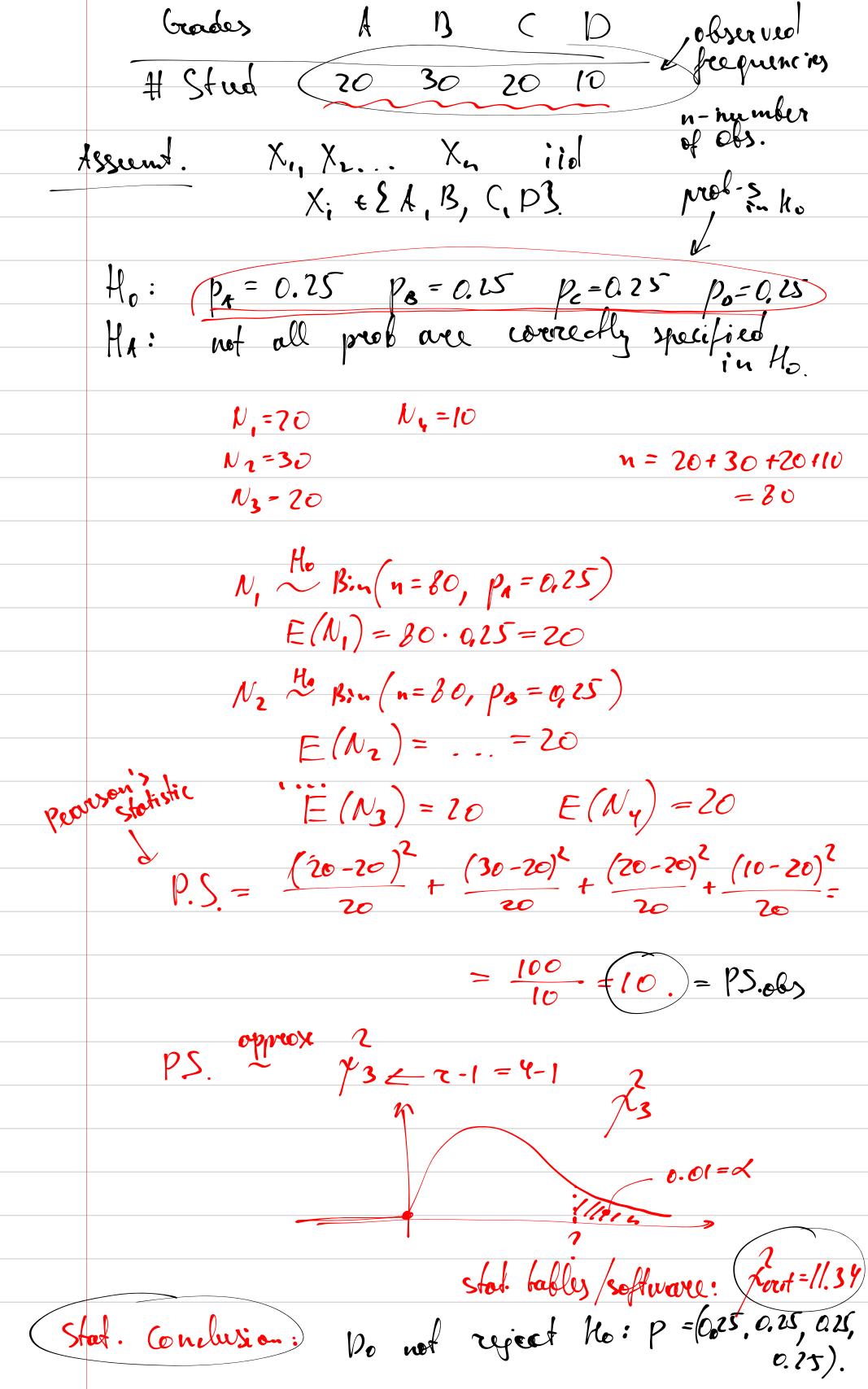
M	
	-> Kenia: part.
	-> Bou's: part I -> scheme
	grades
	-> Max: ha.
_	ρ
	Contingency tables.
	1-d cont. fable:
	-0 Con. 1000c.
	Grades A B (D) observed
	rades A 13 (D) observed beequencin
	# Stud (20 50 20 10)
	n-inember
	Assent. X, X2 Xn iid of Obs.
	Assent. X, X2 Xn iiol xxol-2 ko
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Ho: $p_A = 0.25$ $p_B = 0.25$ $p_C = 0.25$ $p_O = 0.25$ Ha: not all probable covereby specified in Ho.
	f1: not all prob are correctly specified
	$(\lambda = 0.01)$
	How to lest the 12 z-number
_	How to lest the
	Maxlik. Z (N: -E(Ni))2
	-> historial F.S. = Z F(Ni) test (Prarson)
	test (radison)
	wiki: $\left(\frac{1}{2}\right)^{2}$
	$\frac{1}{E_i}$
	1
	$f_0 = 1^2$
	I'an scarce 5 10-E)2
	Under $H_0: \sum_{i=1}^{2} \frac{(N_i - E(N_i))^2}{E(N_i)} \xrightarrow{\text{olist}} \sum_{n \to \infty}^{2} \frac{1}{N_i}$
	2 (11 - E/11) ² 11+ 2
	Under $H_0: \frac{\sqrt{N_i-E(N_i)}}{\sqrt{N_i-E(N_i)}} \frac{\sqrt{N_i-E(N_i)}}{\sqrt{N_i-N_i}} \frac{\sqrt{N_i-N_i}}{\sqrt{N_i-N_i}}$
	$E(N_i)$



LR (likelihord ratio) approach (p. ps. pe) Mod_UR Mod_UR: (PA+PB+Pc+po=1) Mad_R: $p_{a} = 0.25$ $p_{b} = 0.25$ $p_{c} = 0.25$ $p_{b} = 0.25$ LR = 2 (ln LvR - ln LR) Ho st por - pre params in pre=3

por = 0

por = 10

por = 10

por = 3

por = 0 64 = 3 - 0 = 3P(N=60,N=40) = 100! p. 0. (1-p1) 10 Under Ko: plan PSn = 1 multinomial case $L = P(N_1 = 20, N_2 = 30, N_3 = 20, N_4 = 10) =$ - 20! 30! 20! 10! PA - PB - PC 10 In [= (ln M) + 70 ln P4 + 30 ln P3 + 20 ln Pc +

20 letters 20 10 | + 10 log (1- PA-PB-PC)

AA...AB...B(...(P.D) + 10 log (1- PA-PB-PC) N, ~ Bin LR = (lulur - lulr).2 Na-Bon, Mg - Ban Ny~Bin N.+N2+N3+N9=30

is more than this simple to $H_0: p_A = p_B = p_c$ of = Pur- Pe = 2-1=1 (R = 2. 2 N: (lu pir - lu pi) 20 ln pa + 30 ln pa + 20 ln pa + + 10 ln(1-3 pa) R model: max Y (a) no lulp = 30 lup + 10.lu(1-3pm) $\frac{\partial \ln L_R}{\partial \hat{p}_4} = \frac{80}{\hat{p}_4} - \frac{10}{1 - 3\hat{p}_n} \cdot 3 = 0$ $2\alpha - 3 \cdot \hat{p}_{A} = 30 \, \hat{p}_{A}$ $80 = |30.3+30| \hat{p}_{n}$ $3R = \frac{80}{20.3+30} = \frac{8}{24+3} = \frac{2}{32}$ UR-model: mox 20 ln pa + 30 ln pa + 20 ln pc +

Pa, pc + 10 ln (1-2 pa-pc) LR = 2. (ln Lve - ln Lp) vs Voit