Our 1.

Pearron di - squared test

data: data

X- squard = 6.2339, df = 2, p-value = 0.4429

Here, 0.04429 in less than 0.05 significant level.

- ⇒ So, we considered the shift and chance of defectivity to be dependent.
- => Proportion of defective in not the same for all three slifts.

> data = matix (c (460,140,600,240, 160, 400, 700, 300, 1000), ncol = 3, byrow = 7)

> data

> chisq . test (data)

Pearson's chi-squared lest data: data

Here, 2.156 e - 96 in less than 0.05 Significant level Descriptions condu. at home and ID are dependent.

Que 3. x < - 0:5

> f <- c (142,156,69,27,5,1)

> lambeda <- (sum (f +x) (sum(f)).

> expf < dpob (n, lambeda) x sum(f)

> f' = round (expf)

>51

[1] 147 147 74 25 61

> of <- c(142,156,69,33)

>exf <- c(147,147,74,32)

> chise <- sum (c(obj- sy) 1/2/ exf)

7 shicy

[1] 1.090176

> 9 drist (0.95,2)

[1] 5.991465

Sim., calculated value of $\chi^2 = 1.090176$ in lens than $5.991465 \Rightarrow$ it in a good first for given data

Consider each prob. so li. o.s.

> n = c (6,5,4,3,2,1,0) n=6 N=80 e=0.5 > obf <- c(5,18,28,12,7,6,4) > exf <- dhion (n,n,P)*80 > chisq <- sum ((obf - exf)^2/exf) > chisq [1] 50.98667 > 9 chisq (0.95,5) [1] 11.0705.

Calculated value of chi-squared in greater than the tabulated value, in significant at 5.1. level of significance.

So, binomial distribution is not a good, first for the given data.

Our 5. >data = c (9,10,12,9,12,6,14,8,14,9,11,11,9,13,7,

(3,10,11,8)

> batches = e ("batch1", "batch1", "batch1", "batch1",

"batch2", "batch2", "batch2", "batch2", "batch2", "batch2",

"batch3", "batch3", "batch3", "batch4", "batch4", "batch4",

"batch4", "batch4", "batch4", "batch4", "batch5", "batch5

>anova = aov (data ~ butchs)

> anova			11. 12	P. W.
call:				
acr (formule = data	-batchs)	, 0	
terms				
	batches	Residues.	s has	
sim of of.	4.80	91.75		
s. of freed	4	15 1 - 2 3 ⁽²		
	tandard expo	n = 2.47319	Lemos &	
		be unbalancea		
> Summery	(mova)		الارموليين تما	

	Df	8um-89	nee of	F-valm	Pr(85)
bestehn		4.80	1.200	0.196	0.937
Residuel	15	91.75	6-117	. د (۹د ر	است. کول