

p= -2 ± Jy = 4(6)(-1) = -2 ± 6 p came to negate so r: -2+6 -411 a no 3 solved using Python Possion distribution is limiting care of binomial distribution the care where in -> finite trials

(fini) will not only fit data but will will will check goodner of fut also. 1= Eni Ni = 0 X 109 + 1 X 65 + 2 X 22 + 3 X 3 + 4 X) \$ 200 300 <u>200</u> Pm = 0. e-1 1x

a sente : .1 . 1	Page No.		
Pmf & Humohead value	= theore	hed try	u
For o. e-xxoxN	For 1		
01			
•		11	
x 0 1 2	3	4	
1 109 65 22	3	1	
T 108.67 66.2887 20.21	4.11	1.25	
Non chack ushallor in	. ,		
Now check whether to			
$\chi^2 = (0 - E)^2 = (109 - 109$	108.67)	- t 62	612817)
E	73.80		
$+ (22 - 20.21)^{2} + (3 - 4.11)^{2} + (1 + .25)^{2}$			
20.2	1. 1	11) + (1	1.25
	4 1	,	U
= 0.001 + 0.02505 + 0.1585 + 0.29978 + 0.05			
- 0.53433			
for (n-4) degree of fredom = (5.4) = 4.			
for (n-4) deque of f	ue do m	-(5.4)=	4.
X = : 0.711	•		
X = 0.7]			1
Sich WI / VI		P	
Contical	We can	not rujed	the
since XI < XI contical rule hypothesis we	accept the	rull hy	to them.
poisson is a good distribution.			
2002	distrikul	Lor .	