page 1 1. (1). E(X1-X2)=0 but P(X=X)</ (2). $\exp fanily = \sum X_i = C - S = \sum \sum E = Bin (n.p)$ (3). $\log L(0) = \sum X_i \log p + (n-\sum X_i) \log (fp)$ $\frac{\partial \log L(0)}{\partial p} = \frac{\sum X_i}{p} + \frac{\sum X_i + \sum X_i + \sum X_i}{p} = 0 \quad \widehat{p} = \frac{\sum X_i}{p}$ 文章 ME 中部 is ME of P(H) 1 hly) n! py (+p) ny = p(+p) \$ hy n(n) (n-2)! (+) ">+ (+) ">+ =) Hy)= \(\frac{y(n-y)}{n(n-y)} \quad \frac{y=1, 2, ... n-1}{y=0, n} = \frac{y(n-y)}{n(n-y)} \] unbased estimator is $\frac{\sum X_i}{n} \left(\frac{n-\sum X_j}{n-1} \right) = \frac{1}{n} \frac{\sum_{j=0}^{n} y_j^{-j} y_j^{-j} (n-y)!}{y_j^{-j} (n-y)!} \frac{y_j^{-j} y_j^{-j} y_j$ or we Jenson Inequality E(Y(1-Y)) < EY(+EY) (4). $\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{n!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{n!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{n!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{n!}{\sqrt{2}} \frac{p!}{\sqrt{2}} \frac{n!}{\sqrt{2}} \frac$ 10 y= 1/2 1/2 (n-y) (n-y-1)

y= 0, 1, 2 ... 1/2 [n-y) (n-y-1)

y= n-1, n. = n(n-y) UMVUE is (n-2xi) (n-2xi-1) $\frac{1}{CRIR} = \frac{1}{\sqrt{1+h_{3}}} = \frac{1}{\sqrt{h_{3}}} = \frac{1}{\sqrt$ $\frac{(RLB = var)}{JH} = \frac{J}{JH} =$ $=\frac{1}{s}-\frac{1-b}{n-c}=\frac{b(1+b)}{1}(s-nb)-\frac{b(1+b)}{n}(\frac{n}{s}-b)$

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(6). \$\frac{2}{5}\langle \langle \lang		
5-14 M (4-m) / (4-4) / (2 m)		
5/19). n. (y-m) (n-m) (n-m) / (y-m) (1-p) n. (1-	-4	······
hky= / 1/ (1-4) (n-m) / y= m, m+1, n	/_	
(1) (ym) (n-b) & m, m+1, 1)		
y=0,1, m-1		A. J.
('y-m')	y (y-1) (y-1) (n-1)	m+1) y=h,m-
or hat () y= m, m+1,n. =	h (n-1) (n-1	w+()
	to	y=0,1,
0 8-91, m-1		
Y= Z X;		
2. 11) S is known the (x-d) 14x38}	eo tamile	
+1X38J		
TEXX is CS. Xi-Sa exp.(=) FIX	(i-8) = 0	
J-8 is UMVUE of B TOGG	1, 5) + 13	
$P_{i}(x_{i}, y) = e^{\frac{1}{2}(\delta + 1)} (\delta \times 1) \qquad \forall x_{i} \rightarrow 0$		de company of the com
=0-9(14)	一个人人们看	
	Br. Control of the Co	
$\int_0^\infty h(y) \frac{\left(\frac{1}{\theta}\right)^n}{1!n!} y^{n-1} - \frac{1}{\theta} y dy = e^{-\frac{1}{\theta}(td)}$		
	-	or P We depression with a second of the seco
h/4)=/(y-1+8) n-1 9>1-8		
, , , , , , , , , , , , , , , , , , ,	EX = hs	
ocycly 9		
h(2xi-ng) : 100 100 100 100		
h(ZXI-NJ) is UM VUE of P(XIZI)		uuu aan uu ka
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12) dis known f= 1 000 (xd) 1/x, d}		2
J-6 (4) 21xx 8}		
joint peff to = = (EXi-ns) 1/x11/28		
11 x 6 40 21x1178		
Yu is suff		COMMANDA AND THE RESIDENCE OF THE PERSON OF
9 *	1-F= Pr(xi=	· x)
My of Xin tx = n (1+) "+ = n fe = = (x6)		ر٤)
	$= \exp\left(-\frac{1}{6}(x -$	£))
$Eg(X_{u})=0 \Rightarrow \int_{\delta}^{\infty} g_{fx} e^{-n_{\delta} X} dx = 0$		
J8 J146 dx= 0		
differentiate w.r.t. &		
9(1) e-28=0 g(x=0 as.		
JUE = J(N=0 DJ.	XII) G comple	e
XW &-8 ~ PA (=) = = = = = = = = = = = = = = = = = =		
7 105 - (N/J)= 7	and the second s	опоснова в од достава бого постава и то в обородного (год
XW- F IS UMVUE of 8		
nov.1) - = (+8)		
P(X)) = e-\$ (+8) whom 8<1		ant the last production as the first program of the program of the production of the
C × 1. = = = = = = = = = = = = = = = = = =		
So hwate = €(x8) dx = e-1(+8) tor any	1 (4	
(9)	$\frac{\partial}{\partial x} = \frac{\partial}{\partial x} (x - \xi) = \frac{\partial}{\partial x} (x$	(-8)dx
$e^{\overline{b} \cdot \frac{\eta}{\overline{b}} \int_{\delta}^{\infty} h(x) e^{-\overline{b} x} dx = e^{-\frac{(y-1)}{\overline{b}} \int_{\delta}^{\infty} k(x)}$	$\frac{\partial}{\partial u} = \frac{\partial}{\partial z} (x - \xi) = 0$	- + (x-1) ol
=> 100 Rix) 뉴 e - 당 뉴 e -	<u>6</u> (x-3)
differentiate writ s > h(x)	$=\frac{n-1}{n}e^{-\frac{1}{6}(1-x)}$	
	Transcription	
e== 118) e== e== Cn-1/2		
1(x)= n-1 e-6(tx)		
- flerinant the high		
UNIVUE of PIXIJ when sel is hIXW)	and the second s	
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4 11/ $p = \frac{820}{900} = 0.9111$ $\theta_{03} = \vec{p} = 0.7563$ $\theta_{04} = 3\vec{p}(+\vec{p}) = 0.2214$ $\theta_{04} = 3\vec{p}(+\vec{p}) = 0.2214$	
10- 1 3 1	0.02/60
Pag=0.0007 by Pearson goodness = of - fit test	
Experted values: ex=0 ex=1 ex=2 ex=3	
0.210.7 6.479.0 66.4699 226.9004	200
	Very date of the control of the cont
experted freq. ≤ 5 , Should be grouped $Q = \frac{(7-6.6897)^2}{6.6897} + \frac{(65-66.4699)^2}{60.4099} + \frac{(228-226.9004)^2}{226.9004} = 0.04965$	
12.1-1,005) = 3.84 < Q => Cant toget Ho	The state of the s
V(2-1-1, 0:03.)	· Valentine
(D) (1) (V) (0) (1)	
(2)(1) X-Y = 09-08 = 5.94	A)
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NEW S(N TN) NON (Goot Too)	
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# Ho Pi=P2	
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Zaille in a second	
Z~N(41) Zoos = 1.96	····
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(ii) when $f_i = \beta_i = p$.	
L= PZXi+XXi (FP) 2n-XXi-XXi abyl XXi+XXi 2n-XX.	1 Y
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$p = \frac{1}{2} $	
When Pit B. 36g/ D. ZXi N. ZXi D. XX;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 2 1 1 1- 1- 7	
$\beta_2 = \frac{1}{n} \left(\frac{x_1 y}{2} \right)^{2x_1 + 2y_2} \left(\frac{x_2 y}{2} \right)^{2x_2 + 2y_2}$	100
$A(X,Y) = \frac{2}{ \nabla \cdot \sum_{i \in X_{i,Y}} \sum_{i \in $	
when $P_i \neq P_i$ $\frac{\partial b_g L}{\partial P_i} = 0 = \frac{\sum X_i}{P_i} - \frac{\sum X_i}{P_i P_j} = \frac{\sum X_i}{P_i}$ $\frac{\partial b_g L}{\partial P_i} = 0 = \frac{\sum X_i}{P_i} - \frac{\sum X_i}{P_i} = \frac{\sum X_i}{P_i}$ $\lambda(X,Y) = \frac{\left(\frac{\sum X_i}{Y_i}\right)^{\sum X_i} (FX)^{N-\sum X_i} (Y)^{\sum X_i} (PX)^{N}}{\left(\frac{\sum X_i}{Y_i}\right)^{N}}$	- ΣΥ;
-2 log 1 = 55. 88 x(1 a)5)= 3.841	
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	cloeolate.		and a second
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ye commend	ation is Pith	}_ do	rolote is more popular
OR : G =	(Beo (1230 × 600)	7202 + 1530+900	$+\frac{90^2}{2709900}+\frac{180^2}{2708900}-1)$
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· work to the contract of the	6 , 820×	1800 7	120×1800 + 20×100 80 31800
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<u>()</u>	$ \frac{180 \log \frac{180 \times 1800}{260 \times 700}}{\frac{920}{900} - \frac{720}{900}} $ $ \frac{1540}{1800} \left(1 - \frac{1540}{1800}\right) \left(\frac{1}{1800}\right) \left(\frac{1}{$		- 6.7019