HWJ page.
Q U) $n = (\frac{1.96 \sqrt{P(1-P)}}{0.03}) = 4268.444PU-P) = 1067-1111$
(2) $n = (1-96)^{\frac{1-96}{1-19}})^2 = 9604 P(1-P) = 2401$
13) n= (1.645 JPUN) = 3006.6944P(1-P) = 751.67
(c) Jp(1-P) < P+1-P = 1 the equilibrum is true when P= =
and when P==, n issas its maximum when others are san
So upper bond is when p=0.5
Q Z
(a) log f(x)= k log \lambda - \lambda - log ( \fl.)
录1∞(大W)=关一1
式-10g(t(x)) = - 大2
L(人)=-E(部)の外(W)=E(长2)= 元
(b) 京以=六=
SO BW = BX
CC) Asymptotically we have MIE~N(人, 主以)
Therefore ()ME-A)JIN ~N(O,1) Setting R= 7
We have I-d interval 反见 - 星层Xi, 女+翠层Xi
(d) h=(1.96) 入)=1963人=38416入
$\frac{x_1}{\sqrt{x_1}}$
(X) (X) +(Xi:a)= == =
(a)= log L(a)= - = log(2TTa) - = = = = = = = = = = = = = = = = = =
$\frac{\partial(\alpha)}{\partial \alpha} = \frac{1}{12\pi\alpha} + \frac{1}{12\alpha^2} = 0.  \Rightarrow  \hat{\alpha} = \frac{1}{12\alpha} \times \frac{1}{12\alpha}$
where = = = = = = = = = = = = = = = = = =
$S_0$ $Q = \frac{E_0 X_1^2}{N}$
$\frac{(b)}{(a)} = -E(\frac{2}{5a}; \log L(a))$
$= E\left(-\frac{1}{2a^2} + \frac{1}{2a^2}\right)$
$= \frac{1}{2a^2} + \frac{10ato}{a^3} = \frac{1}{2a^2}$
$I(a) = \overline{5a^2}  \text{we use } \widehat{a} = \overline{n}, \overline{3} \times L$
$I(a) = \frac{1}{2(2xi)^2} = \frac{1}{2(2xi)^2}$
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Date.	Page.
(d)	古三×i~×i
	So na ~X2
	$P\left(\chi_{\alpha/2,n}^2 \leq \frac{n\hat{\alpha}}{\alpha} \leq \chi_{1-\alpha/2,n}^2\right) = 1-\alpha$
	( 10/2/n - d - 1/-d/2,n) 1 ha na
4 - p - 17-a - p - 44 - 17-a -	So Contidence Interval is (xxxx Xi-a/2, n , xxxx)
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## Confidence Intervals for p

