P48, 2. X6(1,6) $\int_{1}^{\theta} \frac{10^{2}}{64!} \cdot \frac{1}{x^{2}} dx = \frac{20}{64!} = \overline{X}$ E(X)= P 209. 2 · 分二 又=1·标估计值。 ElX)こ入 EIX): > >+X' $P(X=x)=e^{\lambda}\frac{\lambda^{x}}{x!}L(\lambda)=\frac{\lambda^{x}}{x!}e^{\lambda}\frac{\lambda^{x}}{x!}$ $\therefore |nL(\lambda)|=-5\lambda+|b|n\lambda+C. \quad \lambda = \frac{2|\alpha|n\lambda}{\alpha|\lambda}=$ in) mie = 1 7 = 1. (1-20)4. (20(1-0)2.62.62 م /nL(0) = 4/n(1-20)+ 2(/n20+/n(1-0))+4/nb. 至培一是20 => 0= 温 => 1:30 回去自估计。 E(X) = 20-202+202+3-60=3-40= 344 = 124 = 2=2

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P29,6
        (1) 左时, G(X)= 「took of control o
     最大似然估计· L(B)= 当
イトレ(の)= 点ない-21/10日 - 自真なi, aln L(の)=0=) OMLE= 立文
   11) 东路村, 区(X)= kp = 文 => P= 大文
最大似然的, L(p)= 2 P(X= Xn) = 其 Cki pxi(1-p)kxi
                   (2) FORH. GIXI= \int_{0}^{1} \sqrt{9} \times \sqrt{9} \times \sqrt{8} \times = \frac{\sqrt{9}}{\sqrt{9}+1} = \sqrt{8} = (\frac{\sqrt{8}}{1-\sqrt{8}})^{2}
         最大似然估计 L(b)= ] f(k)p)= } 50 激活 UCXC4
        \frac{1}{2} \ln L(\theta) = \frac{1}{2} \ln \theta + \sqrt{\theta} - 1) \frac{1}{2} \ln x_i \cdot \frac{d \ln L(\theta)}{d\theta} = \frac{1}{10} + \frac{1}{2\sqrt{\theta}} = 0
\frac{1}{2} \ln x_i \cdot \frac{d \ln L(\theta)}{d\theta} = \frac{1}{10} + \frac{1}{2\sqrt{\theta}} = 0
         (5) FREST E(X)= \int_{\mu}^{+\infty} de^{\frac{2\pi}{6}} \cdot X dX = 0 + \mu \cdot = \overline{X}
E(X^{2}) = \int_{\mu}^{+\infty} de^{\frac{2\pi}{6}} \cdot e^{-\frac{2\pi}{6}} \times 2 dX \cdot = \mu^{2} + 1 \mu + 1 \mu + 1 + 2 \theta^{2} = \frac{2\pi}{6} + \frac{2\pi}{6} \times 2 \theta^{2}
\therefore \hat{\theta} = \left(\frac{1}{16} + \frac{2\pi}{6} \times 2 + \frac{2\pi}{6} \times 2 \theta^{2} \times 2 + \frac{2\pi}{6} \times 2 \theta^{2} \times 2 \theta^{
                                                                                  A= V-(HEXT-X')=
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おかいからしょ 1 (0 11) 本竹 f(Xi;O,M)= 6m 竹 e g h
最大似然(s.t. L(0,M)= すけ +(xi;0,M)= すり け e を すいけ e を で は e を e を e を e を e を e を e を e を e を e
2. In L(OM) = -NINO - 2 10 = -NINO 3 0+ M = 1 2 X = X
30M 20 2) RAY. 20 2) RAY.
: ME XII), GALE = X-XII)