概年 213年

8.1.

 $\frac{\partial}{\partial x} = \frac{1}{2} \left[\frac{\partial}{\partial x} \right]^{2} - \frac{\partial}{\partial x} \frac$

7. $L(\theta) = \frac{1}{14} \frac{2}{16} \frac{2}{16}$

$$L(\theta) = \max_{\theta \in \Theta} L(\theta)$$

$$\theta \in \Theta$$

$$\frac{\partial}{\partial t} = \min_{\theta \in \Theta} \left\{ x_{1}, \dots, x_{n} \right\}$$

$$\frac{\partial}{\partial t} = \min_{\theta \in \Theta} \left\{ x_{1}, \dots, x_{n} \right\}$$

$$L(\theta) = \left(\frac{1}{\max_{\theta \in \Theta} x_{1}, \dots, x_{n} \right\} - \min_{\theta \in \Theta} x_{1}, \dots, x_{n} \right\}$$

₹8.2

$$(2) \stackrel{?}{=} 2 = \max_{z \in [X_1, X_2]} x_{1, 2}$$

$$f(z) \stackrel{?}{=} (z) = 6z^{5}$$

$$EZ = \int_{-\infty}^{\infty} z f(z) = 4\theta$$

$$EI_2 = \frac{1}{2} EZ = \theta$$

:,下,均为无偏估计

(2)
$$E(T_1^2) = \frac{4}{7} [E(X_1^2) + E(X_2^2) + 2E(X_1X_2)]$$

 $= \frac{4}{7} (\frac{4}{5}\theta^2 + \frac{2}{5}\theta^2)$
 $= \frac{4}{30} \theta^2$

$$E(T_{1}^{2}) = 3i \int_{0}^{3} z^{2} f(z)$$

$$= \frac{3}{4} e^{2} \cdot 3i$$

$$= \frac{4}{48} e^{2}$$

$$D(T_{1}) = E(T_{1}^{2}) - (ET_{2}^{2})^{2} = \frac{1}{48} e^{2}$$

$$D(T_{1}) = E(T_{1}^{2}) - (ET_{2}^{2})^{2} = \frac{1}{48} e^{2}$$

$$D(T_{1}) = D(T_{2}^{2}) - (ET_{2}^{2})^{2} = \frac{1}{48} e^{2}$$

$$D(T_{1}) = D(T_{2}^{2}) - (ET_{2}^{2})^{2} = \frac{1}{48} e^{2}$$

(2)
$$Xi-X\sim(0,\frac{n}{n})$$
 σ^{2})
$$E(G_{1}^{2})=\frac{1}{n}\frac{1}{n}H\sigma^{2}=\sigma^{2}$$

$$E(G_{2}^{2})=\frac{1}{n}\frac{1}{n}H\sigma^{2}=H\sigma^{2}$$

$$E(G_{3}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\frac{1}{n}\sigma^{2}$$

$$E(G_{4}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\sigma^{2}$$

$$\vdots G_{4}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\sigma^{2}$$

$$\vdots G_{4}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\sigma^{2}$$

$$\vdots G_{4}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\sigma^{2}$$

$$\vdots G_{4}^{2})=\frac{1}{n}\frac{1}{n}\sigma^{2}=\sigma^{2}$$

$$D(G_{4}^{2})=D(G_{4}^{2})$$

$$D(G_{4}^{2})=D(G_{4}^{2})$$

$$\vdots G_{4}^{2}\mathcal{X}\mathcal{X}\mathcal{Y}\mathcal{Y}\mathcal{Y}\mathcal{Y}$$

$$\vdots G_{4}^{2}\mathcal{X}\mathcal{X}\mathcal{Y}\mathcal{Y}\mathcal{Y}\mathcal{Y}\mathcal{Y}$$

概能的理 3. P\X-Z1-4Jn = M=X+Z1-4m = 1-1 = 1-2 = 199%

411

こる取のの

查鞋符 小小≤μ≤6、57 公置信区间为[-117,657]

12, P = X-t, = x (3), = 5 = 1, x x+t(3). 5 = 0.95 S= 32,277 小量信函图为[-092], 6、324]

6.两侧分位公分别为一两两一五大 (THY= d) R1 966)-POOF-1-2 it most b-akt

> 今9(a,b):b-a+>19(b)-P(a)++0]
> dg=-1+>1()=0 胡二十八点 二 得 b=-a

> > 初记以=王11-9 2x=至于

· 主理(+生, 天)一生]为军极例