Det • Ef (f,g,h, b, c).

 $\widehat{\mathcal{A}} = p(b|0) = f(b)g(0)ebp(c.d(0)\cdot h(b))$

the family called regular if X不能東京子日

Et no 充分统计量·如果力, ···, 力n EX, 是在公司及技术的

 $P(t_1, \dots, t_n) = \int_{\mathbf{0}} d\mathbf{f}(t_i|f, \theta, h, \phi, c) dF(\mathbf{0})$

RI.

tn = tn(t), ..., pn)

= [n, h(t)) + "th(tn)] 是充分统计算

佰客和的布

P(x(0)= 0x(1-0)1-x 1680,18

 $=(1-0)\left(\frac{0}{1-19}\right)^{5}$

= (1-10)·etp(为 log 1-0) と指数线编码

f(t) = 1 g(0) = (1-0) c = 1 h(t) = 1 $b(0) = \log \frac{0}{1-0}$

方数编·

高數格布

Fx(10)= 0 etp(-0+)

 $P(\Lambda | \theta) = N(\Lambda | \theta, S^2) = \left(\frac{1}{27 \cdot S^2}\right)^{\frac{1}{2}} e + P(-\frac{72^2}{2 \cdot S^2}).$

 $= (\frac{1}{2\pi})^{\frac{1}{2}} \frac{1}{0^{\frac{1}{2}}} \cdot e^{\frac{1}{2}} P(-\frac{1}{2} \frac{1}{0}) + \frac{1}{2} \frac{1}{2}$

 $f(t) = (2\pi)^{-\frac{1}{2}}$ $g(o) = 0^{\frac{1}{2}}$ $c = -\frac{1}{2} h(t) = b^2 \phi(o) = 0^{-1}$

P(b(0) = U(b(0,0)) = 0 x60,01

 $f(t)=|h(t)=0|g(0)=0^{-1}|\phi(0)=0$

Plb., ..., tn 10) = # Plbi/0)

=0-17 [to,0] (mand fbit). 扩散效物

tn=[n, matstil]

地的布

长春秋文 的复数数多美

现指数强

一門統計量為

$$P(0|0) = E_{f}[t|f,g,h,\phi,\theta,c]$$
 0有性
= $f(t)g(\theta)etp[z(t)\phi_{j}(\theta)h_{j}(t))$

$$P(b|\theta) = \mu(b|\mu,\lambda^{-1})$$

$$= \left(\frac{\lambda}{27}\right)^{\frac{1}{2}} ebp\left(-\frac{\lambda}{2}(b-\mu)^{2}\right) \qquad \theta = (\mu,\lambda).$$

$$\phi_1(0) = \lambda \mu \qquad \phi_2(0) = \eta^2.$$

$pdf = P(\vec{y}|\vec{\psi}) = cef(\vec{y}|a,b,\vec{\psi})$

$$\vec{y} = (\vec{y}, ..., \vec{y}_k)$$
 $\vec{\varphi} = (\vec{\varphi}, ..., \vec{\varphi}_k)$

$$y_i = h_i(t)$$
 $\psi_i = C, \phi_i(0)$

$$F(y|\psi) = \int \vec{y} \, a(\vec{y}) \, e^{\dagger} \rho(y^{\dagger} \vec{\psi} - b(\vec{\psi})) \, dy$$

Prof

$$\int ai\vec{y} \cdot |ebp[y\vec{\psi} - b\vec{\psi}) dy = 1$$

两也对正就多

$$\int \alpha(\vec{y}) e^{\phi} p [\vec{y}^{T} \vec{y} - b(\vec{y})] \cdot [\vec{y}^{T} - b(\vec{y})] dy = 0$$

$$E[\vec{y}|\vec{y}] = \nabla b(\vec{y})$$

$$\begin{array}{c|c}
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指数强烈

\$\$P\$\$\$

发生打造理证量电报23

指数线公布的优势

Between & & E.

3面水石合布

Gamma STR

砂粉

(27) - 1/2 [] = top | - 2 \mu^2)] etp [[\mu \ = 7; - \frac{\lambda}{2} \overline{2} \rangle i \]

如果X=(X1, ..., Xn)是随机排车从regular指数线纸。 $P(x|\theta) = \frac{\pi}{2} f(t_i) [g(\theta)]^n et P[\frac{\pi}{2} G \phi_j(\varphi)(\frac{\pi}{2} h_j(t_i))]$ 则为原名是为对于日本线为

P(O|T)=[K(Z)] [Eg(O)] [etp[= G9; (O)]] $\mu(z) = \int_{\mathcal{O}} [g(\theta)]^{\tau_0} \exp \left[\sum_{j=1}^{k} C_j \oint_{j} (\theta) Z_j \right] d\theta.$

作品(No)= 100)= 100 (1-0) (1-0) (1-0) = (1-0) etp[(og 1-0) = ti $P(0|T) = (1-0)^{T_0} e t P(\log \frac{0}{1-0} T_1)$ = $(1-0)^{T_0} (\frac{0}{1-0})^{T_0}$ = $0^{T_0} (1-0)^{T_0-T_1}$ = 0 0-1 (1-0) 1-1 岩层的市

• $P(h | 0) = \pi e^{h} e^{h} [-0] /_{h!}$ = $(\pi \ v_i!)^{-1} \ e^{+}p(-no)e^{+}p[\log o \stackrel{n}{=} p_i]$ p10/2) (C exp(-20) exp(log 0 Z)

= 04 etpl-20)

 $P(b \mid \mu, \lambda) = T(\overrightarrow{A} \not\models ebpl- \xrightarrow{2} (bi - \mu)^2]$

 $0 = (\mu, \lambda)$

 $P(\mu, \lambda | \tau) \propto [\lambda^{\frac{1}{2}} e^{b} P(-\frac{1}{2} \mu^{2}) e^{b} P(\mu \lambda \tau_{1} - \frac{1}{2} \tau_{2})]$ = $\lambda^{\frac{7}{2}} e^{\frac{1}{2}} p(1-\frac{1}{2}) e^{\frac{1}{2}} p(1+\frac{1}{2}) e^{\frac{$









