P- curorinocuma na quimepus K e lesposinioem kosmo ce arpe. gens no egua om popujume: - за едиостранна дейна кр об! P = P(Z 2 Zo | Ho e lespHa) -. (11) - za egnocmpatita ula Ep. 08; P=P(Z \le Zo | HoelespHa) - (12) - za gleycupattia ignitureta oбracus; P= 2 min (P(Z < Zo) Hoelespro), P(ZZZo) Hoelespra)). (13) 1) 301 P- emognoumme Ha knumente a noblepha e Beuna: PEX.

Ho ce om x bopis; paresprint et en member 20 mobile pro e beuna: PEX. 2/ Da P- curoù no cuma na sprisepris za npolegrea e benna: P>2 Toralea e Hanney una mucuin recku Hegharay pegyman. Ho a upuena. Derbanasis mons na spuniepun. P(No ce omxbeps/Hs e lespha) = TI . Berettune TI mongra Ha repursenus. Hapura et ouse mong na mecina Prebuguo co gon en oa go La beposmuoe mma za pem var et 2 pog. lena Ha Heineust-Shy of H: Helia la gagettu go novembremu folx), fix). Totaba pemettuer na pazupo genu mentama zagara folx), fix). Sup J filx) dx nou pun cupano d= Jw fo(x) dx ce gaba om yenobuemo $W = \{x : f_1(x) \ge c f_0(x) \}$ upu mozxogs ugo модбрано с. D-60: Hena $W = \{ \infty : f_{1}(x) \ge c f_{0}(x) \} u = \int_{W} f_{0}(x) dx$. Hera W^{2} in ϵ markoloa, ϵ $\chi = \int_{W} f_{0}(x) dx$. A = W/W', B = W/W'D-60. Hena C= WW

101- 41.

La pasinegana pasneceama In thixidx - Sw. faix) ax = SA facodx - Sahardx ? Safo(x)ax - Safo(x)ax = O(Su fe(x)dx - Sin fax)dx = O ? Пусны на параметри, сестетва L'alaqueennettocui, comosmont, exermitoroun) Kaybane re unamuennivama ["(+)]=["(+)](x1,x2, xn) e имойностима на параментора Oup. Kaybane, re orgheana [1 (3)]=[*(3)](x1, x2, xn) Ha napamemora & E Henzuecimeta, ano E[(a)]=+ 1 mopey wet [n(0)] = E(2)] Pup. Казбоане не ощината [4(д)] на парашетърог д, е ефективна, ако е с инникапна дисперсия срез всички неизнество Oup. Rayboard, le peguyama on anamuemille [(+)]n e volumes mentra ought to the naparemis pat, ano [(+)]n => 0 Non yleenu raleasse Ha Topas n Ha Hatoniocethusula

Jupakenembo na Pao-kpanep вир Наричани функция на правдо подобие fix, в) плетиост на насписаванание сп. в. 3, когашо тя зависи от ченовешен паранем тор. ненувениен паранетор. Теорена. (Рас - Кранер) Аки ве едноперен паранемор и $1. f(\alpha, \theta) > 0, \quad \alpha \in X;$ 2 $f(\alpha, \theta)$ npume Hales nponyeogin no θ , $\alpha \in X$ 3. F E(([(@ logf)|(@ 0)])2) < 00 7. [(d)] e ven guermena oughka mad, makaba ce E[*(3)]2 < 00, mo e bearing tro chegtorno repuberiento. $D(\hat{\theta}) \geq \frac{1}{E\left(\left(\frac{\partial \log f(x,\theta)}{\partial \theta}\right)^{2}\right)}$ ripu moleo podertembé ce gormui Caree, and $\frac{\partial \log f(\alpha, \theta)}{\partial \theta} = \kappa(\theta)(\hat{\theta} - \theta)$ go rye over nayour.

 \varnothing -leo: Da изполувани равенствогно $\frac{2\log f}{2\theta} = \frac{2f}{2\theta} / f$, което е путемнено винали когатио фъзгла f е полонителка. (f) $\frac{2f(x,\theta)}{2\theta}$ $\frac{1}{2\theta}$ $\frac{$

 $\int_{X} \frac{\partial f(x,\theta)}{\partial \theta} dx = \int_{X} \frac{\partial \sqrt{f(x,\theta)}}{\partial \theta} \frac{\partial \log f(x,\theta)}{\partial \theta} \sqrt{f(x,\theta)} dx \leq$

 $(\Xi | \hat{\theta}^2 |)^{1/2} (\Xi ((\frac{\partial log f}{\partial \theta})^2))^{1/2} < \infty$

Tuonalea momen ga gudeper rupane no t glama un respons

$$\frac{\partial}{\partial \theta} \int_{X} f(x,\theta) dx = \int_{X} \frac{\partial}{\partial \theta} f(x,\theta) dx = E \frac{\partial \log f(x,\theta)}{\partial \theta} = 0$$

$$\frac{\partial}{\partial \theta} E(\hat{\theta}) = \frac{\partial}{\partial \theta} \int_{X} \frac{\partial}{\partial \theta} f(x,\theta) dx = \int_{X} \hat{\theta} \frac{\partial f(x,\theta)}{\partial \theta} dx = E \frac{\partial \log f(x,\theta)}{\partial \theta} dx = E \frac{\partial \log f(x,\theta)}{\partial \theta} dx$$
Toraba unane
$$1 = \int_{X} (\hat{\theta} - \hat{\theta}) \frac{\partial \log f(x,\theta)}{\partial \theta} f(x,\theta) dx = E(\hat{\theta} - \hat{\theta}) \frac{\partial \log f(x,\theta)}{\partial \theta} \leq D(\hat{\theta})^{1/2} (E(\frac{\partial \log f}{\partial \theta})^{2})^{1/2}$$

$$D(\hat{\theta})^{1/2} (E(\frac{\partial \log f}{\partial \theta})^{2})^{1/2}$$

Land Anon (N

organica for