Kpyr	NOB A.M. 605-202 ST3
∏ X ₁	,, Xn ~ U[0,0], 0>0, Построить точный довер. интервал для в урна дове-
	велем случачные величины Y; = 6, ;= 1,, и. Замети: Y1,, Yn ~ U[0,1],
Pf	"year pacherence Y(n) = $\frac{X(n)}{\theta}$ He 3ABucus of θ . Hawken te (0,1) And KotoPolo
P	(t < Y(m) < 1) = < . P-yin FACAREMENTA Y(m) FABRA Fx(m) (y) = y", OTY (
	ADRAZGIBANOCE B NERBOG BARATE STZ, NO RPAGNEG MERE B MOEN PEWEHUN).
	PCAA $1-t^n = \alpha = t = (1-a)^{t_n}$. Asher, unvertage and $\theta : \alpha = P(t < \frac{\chi(n)}{\theta} < 1) = 0$
7	$P\left(\frac{1}{t} > \overline{\chi_{(n)}} > 1\right) = P\left(\chi_{(n)} < \Theta < \frac{\chi_{(n)}}{t}\right) = 0$ order: $\left(\chi_{(n)}, \chi_{(n)}\right) = 0$
2 X,	, Xn ~ Exp (O), T.e. PO(x) = O = 0x x>0. Noutrows Toundin Adder. UNTERBAN
A	A DENS Adepus of Mesosom yents. Ф-444.
4/	90640 PACULOTRETO CTATUCTURY $T = \Theta(X_1 + + X_n)$, T.N. eë PACULEARENUR NE 3ABUCUT (YENTP. PHRYUM) (LES I) (B.G. I) (B.G. I) (B.G. I) (B.G. I) (C. II) (B.G. I)
	T < 9 Ltd = P (9 Ltd) = P (9 Ltd (XI++ XII) < O < 9 Ltd (XI++ XII)), AOB. WHIRPBAN MOSSPOON,
	mges: $\left(\frac{q}{2}\right) = \frac{1}{2} \left(\frac{1}{2}\right) = $
3 4	lunuro BAM ON = 100 KONOB US N XUBYUN & COPOAR. OTNOBUM 100, US HUX
	O OKASANYCH C YWOM. NOWPOWS ACHMU. A-REP. WHIRPRAN YPHA A-REPLA CE-0,95
	PEPONTHOUT, USO NOVIMANNIG KOT YWNUPOBAN, PABHA P= W. Dringrument noc-
	TABLEH JAK, 430 HA BELTOAR NONSTENA BELGOPKA XI,, XIDO ~ BEVN (P),
	Ae X: = 1 ecan i-shi kos yumpoban u X:=0 unave. Coorbes weento, Kosun
	Dyenus MPAMETE P, 4 00 HEAV BOLYMCAUS N. DOSHAYIM M- WHACK Y KM. 10 UTT: Jn (X-P) = 4~ N (O, P(I-P)). PYHAYM S(P)= Jp(I-P) - Herrerowa
	$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2}$
	10 p E(QI) =) по Ламе Слукого: Jr Pn-P = 4 ~ N(QI). Растолена (ВАНТИМ N(QI): 2 - 4 м 2 + 4. Также обозначим Т(M) = Pn - Pn (I-Pn) 2 + 4 м
	$T_2^{(n)} = \hat{\rho}_n - \sqrt{\frac{\hat{\rho}_n(1-\hat{\rho}_n)}{n}} = \frac{1}{2}$. Torse $\lim_{n\to\infty} P(T_1^{(n)} , s.e. (T_1^{(n)}, T_2^{(n)}).$
	- Acumo. solor. Unieten 17 Mg solorus d, No Ang p, or 461 Xorum and N, X=
=	lim P (T(W) < of < T2") = TM P (J(W) > N > J(W)), J.e. ACUM, Alee, UNIERAN
4	PR-MA Adequa & AM N - 3 TO (TIM), TIM), PEANWAYNA = MONGASHM YUCHA

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13 3AAATU: X = Pn = 20 = 5, h= 100=d, 2++ = 20.025 = 1.96, 2++ = 20.015 = 1.96.
                            Tormy T," = $ - \frac{1.96}{1.96} \cdot \frac{1.96}{1.96} = \frac{1}{5} - \frac{0.04}{1.96} = \frac{1}{5} - \frac{0.0216}{1.96} \frac{1}{5} + \frac{1.96}{1.96} = \fra
                        = $+ 0,04. 1,96: 0.2784 => \frac{9}{72}(m) \pi 359, \frac{9}{71}(m) \pi 822 => PeAnu 3Ayua: (359, 822).
                    Ombes: Ac. Asb. UHI. SP-NA ALB. L: (100 100), TAR TIME X- X- X (1-X) . QUEL )
                                                                                                                                T2": X - \\( \overline{\times} \). 2 1-4 ; PEAM3AJUS B 3AAGUE: (359, 822)
4 Xn ~ t(n). NONABAR, 450 Xn -> N(0,1) non n -> 00 (s.e. t(00) = N(0,1).
                            \lim_{N\to\infty} \left( F_{t}(x) - F_{N}(x) \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(1+\frac{12}{n})^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{1+n}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{1+n}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{1+n}} e^{\frac{1}{2}} dt \right) = \lim_{N\to\infty} \left( \int_{\infty}^{\infty} \frac{\Gamma(N+1)}{\sqrt{1+n}} \frac{(N+1)^{-\frac{N+1}{n}}}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt{1+n}} dt - \int_{\infty}^{\infty} \frac{1}{\sqrt
                            = S [im (r(\frac{\psi_2}{2}) (1+\frac{\psi_2}{2})^{-\frac{1}{2}}] - \frac{12}{2\psi_2}] \tag{t} \ Paccospen npeach or merboo; \lim \sqrt{\psi_2} (1+\frac{\psi_2}{\psi}) = \frac{12}{2\psi_2} \tag{11 \tag{th}} \ \frac{12}{2\psi_2} \tag{12} \tag{12}
                        =\lim_{n\to\infty}\left(\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}\left(\frac{1+\frac{1}{2}}{1+\frac{1}{2}}\right)^{\frac{1}{2}}\cdot\frac{1+\frac{1}{2}}{1+\frac{1}{2}}\right)=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{2})}}=e^{\frac{L^{2}}{2}}\cdot\lim_{n\to\infty}\frac{\Gamma(\frac{n+1}{2})}{\sqrt{\lim_{n\to\infty}\Gamma(\frac{n+1}{
                       = \sqrt{\frac{1}{2\pi}} e^{\frac{1}{2}}. |im| \frac{\Gamma(m+\frac{1}{2})}{\Gamma(m)} \cdot \sqrt{\frac{1}{2\pi}} e^{\frac{1}{2\pi}} = \frac{1}{2\pi} e^{\frac{1}{2\pi}} 
                       \lim_{m\to\infty}\left(\frac{(m-1)^2}{m(m-1)},\frac{(1+2m)^2}{e^{1/2}}\right)=\frac{1}{\sqrt{2\pi}}\frac{d^2}{e^2}\cdot\lim_{m\to\infty}\left(\frac{(m-1)^2}{m(m)}\right)=\frac{1}{\sqrt{2\pi}}\frac{d^2}{e^{1/2}}
                      VX - 1. HEP: JU FN: Ft (x) -> FN (x), J-e. NO DIP. Xn -> N(91), 4.7.A.
  5 X1,..., Xn ~ N (σ, Σ), Σ u3βecino. Ποσρούδ τουμγιο Ader. οδλ. And a yr-ng Aderia α
                                BAMEUM, WO OANOMEPHAR BARAGE GOLA PASOEPHAR NA NETYUN. NO The PASIBLEHING
                                (Axcroboro Bex Jopa, Maken reregion & Pewenino in nakomo Henihoux 3 ARAY:
                                                                                                                                           Xn ~ N (on, E), Asees. on -?
                                                                                                                                      (X_{in}) \sim N (\omega_{i}, \delta_{i}), \quad d_{i} \in (\overline{row}_{i} \pm \overline{th} \delta_{i}, 2\underline{u}_{i}^{*}))
(X_{in}) \sim N (\omega_{i}, \delta_{i}), \quad d_{i} \in (\overline{row}_{i} \pm \overline{th} \delta_{i}, 2\underline{u}_{i}^{*})) \quad d_{i} \in (\overline{X} \pm \overline{th}, 2\underline{th}, 2\underline{th
                                                                                                                                                                                                                                          ~ N (am 5m), am E (rown = 5m 5m 914)
              6 XI,... Xn ~ N (01,52), Nourout Ader. Obs. YT-KA Aderus a an napametra 0= (01,5)
                                       IN (X-ca) ~ N(0,1), never six consulars pawerens Ne 348, or 8 068 A30M, Toras
                                       a = P(71-2 ( 5 (7 Hz)). PACMUEN cucrent:
                                    B Mary Purkon Bras: (+ B) O ( (-D) (nakomnohenska)
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