4 sett = other I from randomly sampled RV E(52]: 02 show It is an unhard extinctor. [(x-u) / (x) dx: E((x-u))] bondene E(x)] - 4x' U: Onignz on (+5: 1 2 (x-x1): -Ex-2x1+x12 5 MARCHANI MC = LITTON PARAMPA) AND POMPANON Sample mean: Hy: for E (K-X)2 there H, wen Sample various 51: A Z (K-X)2 there H, wen E, USBwhen £ 10 th | 1 th | AUBINACAZ +PCB)-PCAMB) $\chi^{2} = \frac{(\kappa \cdot 1) S^{2}}{\sigma^{2}} = \sum_{i=1}^{n} \frac{(\lambda_{i} - \lambda_{i})^{2}}{\sigma^{2}} / \nu : \kappa \cdot 1$ (ABIC) = P(A (BC) P(B)C) P(A'AB') > L-P(AUB), LP(A')=P(A)
P(CN)A): P(CN) P(A(CN)
E*P(C) P(A(CN) P(Cn) NA (Cn) P(A(Cn))

Exp(Ci) P(A(Ci))

Chdq= P(Aits(C...): P(A)P(B) - P(N) = P(A)N(L...)

Exp(L) = [xf(x)dx = M tun

the first and the gives and give Elg(xy) = gg(x)f(x) Elg(xy) = sg(xy)f(xy) axdy = aECX)+b elg(xy)+blo maginal dist of es Sflery dy 2900 = 6(9(44)+E(9(249)] MX=E(0-0) = E(0 - 61 = E(0 - E(0)+ E(0]- 6) = E(0 - E(0)+ E(0)- 6) = E(0 - 61 = E(0 - 61)+ E(0)- 61 = E(0 - 61)+ E(0)- 61 = E[B-E(B)+E(B]-B]? Oxy: Silky) (Emoly-uy) drady. Normal Q-Q- y1 " longli), fi = 1-714

Just Quarta 2 normal sixt. Ea(f)= 4.2(f) 19 (1-f) 19 (1-f) 2 normal sixt. Ea(f) 1-4.2(f) 19 (1-f) 19 (1-f) 2 normal sixt. Ea(f) 1-4.2(f) 19 (1-f) OTY = ECXYJ-ECXJETYJ = - HXMY 5 T Max filthood + Bias [0] ? Pay = Oxy fox oy, P=1: wondeted. of obsideta $\frac{2x}{f(x|\mu)} = \frac{e^{-\mu}U}{x!}, \quad \text{procession in } \sum_{x} x_{1} \\ L(x, -|\mu): \quad \text{if } f(x|\mu): \frac{e^{-\mu}U}{tt_{11}^{2} x_{1}!}$ choly implies unamedel since OCCYJ: ECKTERFJ Confidence External 100(1-x): CI. 1-x: COM. cost VI. CI. Saxtore = a Ox + b o by + lab oxy 8 - tree 8 - observated value P(Q = 0 < Qu)=1-x himomial in Distribution. Court replant b(x, nip) = 5 x(4) px(1-p) 1-2 cplf p. pub main Inc = - nu + Exilou - In Il xi! | Consequence meen | 0:000000000 value | M(Q < D < D) | = 1-K | that | the | t WEEK) : rep OK = np(17) bemould process: repeated inter had puterne cdf: B(K)nip): \$ b(x,nip). prediction interval (sugle value) P(36266)= P(266)-P(x(3) 2 P. el-p, e0, 9- pright prich-place Gampa (12 dx pro f(x) x 1) \$ P(k) x 2 - 4/p [(16) Ja [(n)=(n-1)] M, 02 known . L. Il prict-p) - xi= pnxi (1-p)n(1-xi). 5 on Known 2-tx/2 55 4km < reocx+ tale 5 THE 0 = 0B2 - 7: N= 1/2, B= 2 Inc- unilnp + n(1-E)Incl-p). 50-) Normal CDF: \$\overline{D} \\ \((x_1 M_1 \tau) \) \\ \frac{1}{2\overline{D}} \end{array} \quad \text{ix-u}^2 \\ \((x_1 M_1 \tau) \) \\ \frac{1}{2\overline{D}} \end{array} \end{array} \quad \text{id-loom} \quad \text{in-0,02} \\ \end{array} tologue interal

A) thorn at 1.90 of hist of 100 (-4)
otherse xtks (we tolda) considere than bln (ξ - 1-2)=0) = 1-2 - 1-\$ 5' vs on [] vs f.) ... + (br) 2: (h+1 / (cr 2 x x x)) MED: ([[vit Uz] h)(vilvz) Vila 02 + var(02), 204(n+) = 1 (n-11) var 02 p(U/k) - clonets fairm, Pi-Pm, nliking Pile Pm T(V/2) T(Ve/2) (1+V1 +/V2 ((Uit V2 1/2) =(nyno ([to.1] aparther pob of puty nou. 10,000 Hypergandin: wo replacement, there share have here is a que here is not a more in the saucement is a not a n Function of RV given z disks, n.n. o, oz oz si si Y-M(x), x: w(s) rainen f(x) pat, w= 0-1 9(x1= f(n(y)) F. (52/6, 4/5,0), Fhu F-did u. n. -1, Venit water, g(y) f(w(y)) dw assignmently, a(y,y) to. by (kjk/p) (1-1) pt (1-p)x-k generally, glq,(42)= f(w,19,142), w2(4, 42)) 02: (20,2(V,+4,-2)/[V,(V2-2)(VL-4)] VL74. 1: \\ \frac{1}{5\pi_1} \\ Unhiqued estimates g(x, p)= p((-p)>1 = b (x;1,p) u 1/p 0= 1-p if E[8] = 1 & ul smallert var Light to length of the light of Porson dist: peb of x saws in cont. intered Max Likhhood Africa kolor x1 oz. ((e,... x n; 0) = f(x, 0) = f(x, 0) f(x, 0) ... f(x, 0). Louddist Alma (solor XI oz.)

A (int b) (xnp) = p(x) ()

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(x -> tale In > take deriv + soupo! MGF Pout 2 22 XXX, h(2)

Disent has Silver 2 county conthies Sivily (20) SpJyntine | Sp: nithe -5 aukrown rancice: 7= 2 (n,-1) 5,2 + (n,-1) 52 MGK of EXXITS Melt Mult)

Ext lowine extra A relation both
me how so define w: (n-1)s flu gla- ~ Idu Expound = gamma a= 1, B=B -> (x,-x,)-tx/2 19 7 h,+2 < M1-M2 < when s' defin w: (n-115), which has a 2 dist Chu? _ gamma, a: y/2 1 p=2

HGT

The minute Eur foot 2 flx) 1 my 40?

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1 1/2/ = P(\(\frac{(n-1)}{2\text{ tools}}\) \(\frac{1}{2\text{ tools}} \) \(\frac{7}{2\text{ tools}} \) \(\frac{1}{2\text{ tools recolling ; Elky - Mg MGF: Eor Sout etifles = Mx(+): E[eti] then the expr is some rentire of l'enieuros: use f-dist -F= ocissi. Siz 1 Oci When this is ava,

Mr. = dr. dr. (+) that Av known 0, oz, but w/ tale, v.v, 1 59 Se MATH betwee latter adict morn individual not indep (the puis) (P,-P,)- tare Ville . P. - P. C . + . Eart: 19 Pi= Ni- Yi, var(Pi)= vor(xi-Yi)=Jx + dy2-20xy Earil a(1-rm) rth homest then apply CLT & typical to dist Mp: Mr- My akushe Gi-Pi - (p.-P) (+) Au(t) . Ux at) is F. D-Mp ... Jam CI. the direct = = xxxx, M261: Mx(+)My(+) P: X/n (extinate for pin bemorelliclist, sucm %). of p. p. Bruins attini Max (+) = Mx (a+) can be (1% see mos & take In , sobeha into -more on opp side given type, Y=ax hly)=2 cont: Flut Ply y It p at. p, can be at kest (I% P(- tx/2 < t < tx/2)=1-0/ 2 = 572/n esting the pagings withdust this emorall not exceed e = p(xc Y/a) ant: (a) Ayla), downte flyla) = [49/11 dt · take p + take of the reallyling and complied but