KPYFAOB A.U. 605-202 ST8	8 7 10
[] X = (X1,, X1) ~ P & {PO   DE (H)}, HO: DE [-1,1] VS HI: DE [-1,1], S = {XERM   T(I	) > 1 },
He DTERPRARM HO :- THE NORTH THE DTERPRARM HO MONTH TO THE DTERPRARM HO THE DTERPRA	ee BAPUANIA
B DION BARRYE HO W. H. MODE WALL ACKED & TAGALYE	414
MORTERPHARMIE BERNOWN HI.	INO.E
P(Is) = Sup P(XeS) = Sup P(T(x)>1) = P(T(x)>1   T(x)~N(1,1)) =  Pers  De[-1,1] (Kojum Marcum suream  "M(1,1) Romo Kong CAPARA ON 1)  The superior of the super	
	2 d
2 POLT MECHNOS: KN F (6/7, 2), POLT EMMNOPOROB: KN F (5/44 3), HAUG. MOLYHOLE REWELL VS EMMNOPOROB: KN F (5/44 3), HAUG. MOLYHOLE REWELLOR POPMANUSYEM HO: $\Theta$ : (6/7, 2), HI: $\Theta$ : (5/44) 3). The Heimana. Murcona: ecan fc,	1 1/2
STORMA 3HAYU ADOUR & JET JOBO = L(O1) / L(O0)	veruel
o) λοιο (κ) = Po (κ) (5/44) <sup>3</sup> κ <sup>3-1</sup> exp(-5/44) · Γ(2) , κ>0 3? C: Po (λοιο > C)=4	
= Po (x > C) => E= Xq-1 (x84x)46 [(6/2)2) = [(00)) => C= 1000 (E) HAWAY J-400004 TPOUT KRUTEPULL: S= [1 0,0 (x) > 10,0 (x)] . C nomogón Scipy, Stats: Xx 5.5	Noc-
6.66 € S => OTREPTEM HO. MONTHOUSE: BS = 1-P(IIS) =+P(XX5   0 = (54, 3)) = [0,5]	-
(nocy, 200 rax 1-5ps. gamma, cdf (x= 1/4), on=3, scale=47/5))  1) 1000 (x) = \frac{Pe_(x)}{Pe_(x)} = \left( \text{Logo}(x) \right)^{-1}, xxx  \frac{1}{2} \text{C'} : Po_(\text{Logo}(x) \right) \text{C'} \\ Po_(\text{Logo}(x) \right)^{-1} \\ \text{Po}(x) = \text{C'} \\ \text{Po}(x) = \text{C'} \\ \text{Po}(x) = \text{Po}(x) \\ \text	κς <del>ζ</del> ′)
=> E' = 8, (REAMLE [(5/44,3) = [(Pi)) => C'= 100,0 (E'), HAMM NOUTONN REWERLING: - (100,0) (K) > Loop (8,1) }. ( namonger Scipy. Starts: 8, ~ 1,20, T.e. 666 E.S' => orders	S!₌
Mongkout: BS: = 1- P(Is:) = 1-P (X & S1   D= (6/7/2)) = agg (nocurre me 1 5pl. gramm.	
= 8'4, ca=2, scale= 26)). Osmern, wo β51 = 0.98 > 0.94 = β5  Ποςτωρεμ ωσοβάν σβο πρα Κ= 6.66. Κρωτονώ 5' προπο γρωτομος, γ.ν. 60-00 πουγημώ:	5)
notroum our. Orbegiven He => [He exuropor]	
4 ARG NOWS. BANGAA POSSEPHIN HO; O=Ob, HI: O>Ob NOWHOUR AU, BOWYLOTE NOTBURG OTBEPHENING I	10.
CEMUMAP: 5= {IN \$\frac{\tilde{\theta}}{3} ? 21-1 }, P(Is)= Poo (In \$\frac{\tilde{\theta}}{3} ? 21-1) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

[3] X20, Ho: X~ U(31], HI: X~ Exp(1). November NAUS. MOUGHSIG REWORKS FR. SHAM. K= 0.05, BRITH CHERE GLO MORREDA 10.0 (x)= [x(0)] = 10 I {xxx} = ex [{xe(0,1]}] ; S= {1000 >c}= 1 = 10 ADMONORMAN, => POS (EX I [KEAU] >c) = P(X)E) = + => E = 71-2 (KEAKING U[AU] = 0.05 => C= e =1-4. - I \q\_- (91)} = e^0,05 = 0,39 => S = \x <0.95 u x \( (91) \} = [(0,0.95)] 0,61 · 5 X1, .-, Xn ~ [(0, 13), 13 Her38. Noverto Rews. BANGA SP. 3K. & AM No: 0=00 VS N1: 0 \$ 00. May-? 1) H: 0,00. S= [5, 0-0= 27, 1, 120 0-a.N.O. 0, 3-600. Oyenra U. No marouman PANNUT veryon on as, nowhere  $\hat{\Theta} = \overline{X}$ ,  $\hat{\sigma}^2 = \left(\frac{\overline{X}}{\hat{G}}\right)^2 = S^2$  Town  $S = \left\{ S_1 \times \overline{X} - \Theta_0 \times \overline{X} + \Theta_0 \times \overline{X} \right\} = 2$  Monthly veryon of: 15 5 = 1- P(Is) = 1-P(x & 5 (0>00) 2) N.: 0 = 80. 5' - 2/n = 2 + 2,- = } = { | Sn \( \frac{x}{5} \) = } = } = \{ | Sn \( \frac{x}{5} \) = } = \{ | Sn \( \frac{x}{5} \) = } = \{ | Sn \( \frac{x}{5} \) = } \] 3) M1: 0 < 00. 5". 5 Th @-00 ( 24 } = { In \$ 5 ( 24 } =) MoryNova; B 5" = · 6 POPMINUSOBNI a) c7. runo 183A - >50. Busy " P & P" ; C7. KP478P44 - M.B S: Ho othermen & X &S; CT. 3HAYIMILI PERSONAT - RGIBOA O NOXMOUN HO HA OCHOBANIUM NEW PERG C YESTERM BNAYWOOM & (Je. [APANIMPIENGU MAK PREMEROM DENGAM I POR PARNOM A) ; OWNERD I POR : OTBERPAN BETWOO HO, T. e P(Is) = P(XES | HO); OWNGWA II PORA; HE OTBETAM NOXMINO NO, T.e. P(IIs) > P(X & 1 1 1 Ho); your - max max max pensis passes P(I); MOCY MOUNT MADERA BS= 1-P(IS) ; AC. NEW. SP. JEGY, I - MEDERYLI, MOCYLIA SP. 31. d Geori Bergarye; A.N.O. - 6: In (6-0) NO E(0) 13 box personal >P. 3N. d

A XI,..., Xn ~ N(0,1). Nover PHAN >1.34. of a) Ho: 0,00, N1: 0,00 ; rognown? a more 81280 POPPER STANDER TO SECTION OF STANDER March Company (march contraction)  $L_{x(\Theta_{0})} = \frac{L_{x(\Theta_{0})}}{L_{x(\Theta_{0})}} = \frac{\int_{\mathbb{R}^{3}} \frac{1}{2\pi i} \exp\left(-\frac{1}{2}(x_{1}-\Theta_{0})^{2}\right)}{\exp\left(-\frac{1}{2}(x_{2}-\Theta_{0})^{2}\right)} = \exp\left[\frac{1}{2}\left(\frac{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}\right)\right] = \exp\left[\frac{1}{2}\left(\frac{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}\right)\right] = \exp\left[\frac{1}{2}\left(\frac{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}{\sum_{i=1}^{3}(x_{i}-\Theta_{0})^{2}}\right)\right]$  $+ n\theta_{0}^{2} - \frac{2}{12} \times \frac{1}{12} + 2\theta_{1} \times \frac{1}{2} \times \frac{1}{12} - n\theta_{1}^{2} = \exp \left[ \frac{1}{2} \left( n \times (2\theta_{1} - 2\theta_{0}) + n (\theta_{0}^{2} - \theta_{1}^{2}) \right) + \exp \left[ n \left( \times (\theta_{1} - \theta_{0}) + \frac{\theta_{0}^{2} - \theta_{1}^{2}}{2} \right) \right]$ =  $\exp\left[h\left(\theta_{1}\cdot\theta_{0}\right)\left(\overline{X}-\frac{\theta_{1}+\theta_{0}}{2}\right)\right]$ ,  $T(X)=\frac{1}{2}\overline{X}\overline{X}$  (here, (x) whos, 7 no  $T(X)=\frac{1}{2}\overline{X}$   $Z=\frac{1}{2}\overline{X}$ C1: Poo (T(x), C+)=1, J.e. Poo(X > C+)=0x => C+= tx (2-M4014 N(91))=> S= {X > 10}} Bs= 1- P(x &s | 0 >00) = P(x > 2,- , 0 >00) = 0 5p3. Marmons (0.95) of the the margingia, no no bosister of a commapa Notice convexage 3 Mar: S= {X < C+}, C+: POO (X ( Cd) = + => Cd = 24 (4-Maring N(0,1)) => 5= 2x = 24} Bs: 1-P(XKS | 0 (00) = P(X < ?4 (0 < 00) = 00 Sps. norm, ppf(0.05) (MUGAA The rame. OSH. Approveding) 8 K1,..., Kn ~ Γ(Θ,β), β weecono. PNAN ye. 31. d. -? 4) No:830, N1:Θε Q. d) No:860, N1:Θ>Θο; NowyNown? T(x)= X (LB,B,(x) soms. ) 10 T(x)) => S= {X < C+}. C+: Poo(X < C+)=d=) C+. = 80 (0-1811116 T) => S = {X < 80}, 81. Sps. garner, pps (0.05) Bs = P(X < 8+ | 0 >00) = X a) le de legionoro " uo uo coginge d c commenta Kryno coments gran: 2: {x > c+ } " C+: PDO (X > C+)=+ = C+= 81-4 (1-4- NEMINING F) => 5= 5x > 81-+3, 81-4= Sps. gamm. pps (0.95) PS= P(x> 8,-2/ 8,00) = d (resigner of a nonor. 27%, regeneration [9] X1,-, Xn ~ Bern (0) , Aar. x, 40 & PRAW V+ , No: 0=00, N: 0 +00  $1000 = \frac{\Gamma_{K}(\theta_{0})}{\Gamma_{K}(\theta_{0})} = \frac{\left(1-\theta_{0}\right)^{1-X_{0}}}{\left(1-\theta_{0}\right)^{1-X_{0}}} = \frac{\left(1-\theta_{0}\right)^{n-EX_{0}}}{\left(1-\theta_{0}\right)^{n-EX_{0}}} = \frac{\left(1-\theta_{0}\right)^{n-n\bar{\chi}}\theta_{0}^{n\bar{\chi}}}{\left(1-\theta_{0}\right)^{n-n\bar{\chi}}\theta_{0}^{n\bar{\chi}}} = \frac{\left(1-\theta_{0}\right)^{1-\bar{\chi}}\theta_{0}^{\bar{\chi}}}{\left(1-\theta_{0}\right)^{1-\bar{\chi}}\theta_{0}^{\bar{\chi}}} = \frac{\left(1-\theta_{0}\right)^{1-\bar{\chi}}\theta_{0}$ B BEIPATERLY QUITPLES TOTOMO T(K) = X , NO NO. D. HE MONOTORNA NO X (1.N. B resudentien come we consider, 0.501) yr. 3v. 2 nouseout neck 39, 4,7.A.