Population:	sample:
5 (5: - 1)2	$S^2 = \sum_{i=1}^{r} \left[S_i - \overline{S}_i\right]^2$
	$S^2 = \frac{1}{\sqrt{2}}$
o n	
005.	
PQS:	<u> </u>
$\frac{1}{2} = \frac{4 - h}{0/4v} \sim G(0, 1)$	$T = \frac{Y - \mu}{s / \sqrt{n}} \sim t(n-1)$
T soume mean	Y: sample men
o population stades	s: sample staden
M: population near	1 u: population mean
CI: 5 t auldn	(I: 5 ± as/17)
	(T, T(a, 1), a)
$V = \frac{(N-1)\zeta^2}{\sigma^2} \sim \chi^2(N-1)$	$\frac{CT: \left[(n-1)s^2, \frac{(n-1)s^2}{a} \right] \cdot p = p(a \leq 0 \leq b)}{a}$
for future observations	
PC: Y- T	CI: yt asNI+'/n
PC: Y-Y ~ t(n-1)	
P(1712 K) = 2 - 2P(2 = :	k)
$P(121 \leq k) = 2P(2 \leq k)$) -
$L(q) = \int_{-\infty}^{0} 6_{-x} x_{q-1} q$	x = (q-1);
$ 00\rangle$ (T : $ 01\rangle$	
$ 00p\rangle$. $CI: P(a \le z \le a)$	
is equal to a 100g	1. LT, where $q = e^{-\alpha^2/2}$

100q7. LT: {+: R(+) ≥ q) is equal to a 100p:1. CI, where $p = 2P(2 \le d-2\log(q)) - 1$ 95% CI % 15% VI