











		Sun	nmai	ry - (	CI fo	r poj	pulat	tion 1	near	1	
ľ	Confidence Interval for the true (population) mean $\mu$ : sample mean $\pm t$ standard errors or $\overline{x} \pm t \operatorname{se}(\overline{x})$ , where $\operatorname{se}(\overline{x}) = \frac{s_x}{\sqrt{n}}$ and $df = n-1$										
		Value	of the l	Multipli	ier, <i>t</i> , fo	or a 95%	6 CI				
<i>df</i> :	7	8	9	10	11	12	13	14	15	16	17
	2 365	2 306	2 262	2.228	2.201	2.179	2.160	2.145	2.131	2.120	2 110
<i>t</i> :	2.505	2.500	2.202								2.110
t : df :	18	19	20	25	30	35	40	45	50	60	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
t : df : t :	18 2.101	19 2.093	20 2.086	25 2.060	30 2.042	35 2.030	40 2.021	45 2.014	50 2.009	60 2.000	∞ 1.960









Example – higher blood thiol concentrations associated with rheumatoid arthritis?!?						
Thiol Concentration (mmol)						
	Normal	Rheumatoid				
Research question:	1.84	2.81				
Is the change in the Thiol status	1.92	4.06				
in the lysate of packed blood	1.94	3.62				
cells substantial to be indicative	1.92	3.27				
of a non trivial relationship	1.85	3.27				
between Thiol-levels and	1.91	3.76				
rheumatoid arthritis?	2.07					
Sample size	7	6				
Sample mean	1.92143	3.46500				
Sample standard deviation	0.07559	0.44049				
Slide	12 STAT	251. UCLA. Ivo Dinov				























