Definitions and Symbols			
Population		Sample	
Population	The entirety of the group	Sample	A section of the population
Parameter	A number that describes the entire population	Statistic	A number that describes the sample
μ	Population mean	\overline{x}	Sample mean
Ν	Population size	n	Sample size
$\sigma \text{ (sigma)} \\ \sqrt{\frac{\sum (x_i - \mu)^2}{n}}$	Population standard deviation	s $\sqrt{\frac{\sum (x_i - \overline{x})^2}{n - 1}}$	Sample standard deviation



Z - Score	T - Score
$z = \frac{x - \mu}{\frac{\sigma}{\sqrt{n}}}$	$t = \frac{x - \overline{x}}{\frac{S}{\sqrt{n}}}$



More handouts like this are available at: uvu.edu/mathlab