

	<i>Sample</i>	<i>Population</i>
Mean	$M = \frac{\Sigma X}{N}$	$\mu = \frac{\Sigma X}{N}$
Sum of the squared deviations (SS)	$SS = \Sigma X^2 - \frac{(\Sigma X)^2}{N}$	$SS = \Sigma X^2 - \frac{(\Sigma X)^2}{N}$
Standard deviation	$SD = \sqrt{\frac{SS}{N - 1}}$	$\sigma = \sqrt{\frac{SS}{N}}$
Variance	$SD^2 = \frac{SS}{N - 1}$	$\sigma^2 = \frac{SS}{N}$
z for a single score	$z = \frac{X - M}{SD}$	$z = \frac{X - \mu}{\sigma}$