

## Commonly Used Statistical Symbols

Symbol	Meaning
$\mu$	Population Mean
$\bar{x}$	Sample Mean
$\sigma$	Population Standard Deviation
$s$	Sample Standard Deviation
$\sigma^2$	Population Variance
$s^2$	Sample Variance
$\Sigma$	Summation (Sigma)
$\Sigma x$	Sum of Values
$\Sigma x^2$	Sum of Squares
$\chi^2$	Chi-Square
$\alpha$	Alpha (Significance Level)
$\beta$	Beta (Type II Error Rate)
$p$	Probability
$\mu_0$	Null Hypothesis Mean
$\sigma_a$	Standard Deviation of the Alternative Hypothesis
$H_0$	Null Hypothesis
$H_1$	Alternative Hypothesis
$N$	Sample Size
$Z$	Z-Score
$t$	t-Statistic