

CALCULATOR FUNCTIONS FOR STATISTICS

COMMAND/ARGUMENTS	RESULT	KEYS
Binomcdf (n, p, x)	Computes cumulative probability at x for binomial distribution with probability p of success on one trial	2 nd /Distr/Distr/Binomcdf
Binompdf (n, p, x)	Computes probability at x for binomial distribution with probability p of success on one trial	2 nd /Distr/Distr/Binompdf
X²cdf (min, max, df)	Computes probability for chi-square distribution between bounds for specified degrees of freedom df	2 nd /Distr/Distr/7: χ^2 ^{cdf}
X²-Test	Performs chi-square test	STAT/Tests/C: χ^2 -Test
DiagnosticOff	Turns off display of r, r ² , R ²	2 nd /Catalog/"D"/ DiagnosticOff
DiagnosticOn	Turns on display of r, r ² , R ²	2 nd /Catalog/"D"/ DiagnosticOn
Geometcdf (p, x)	Computes cumulative probability at trial x for geometric distribution with probability p of success on one trial	2 nd /Distr/distr/E:geometcdf
Geometpdf (p, x)	Computes probability at trial x for geometric distribution with probability p of success on one trial	2 nd /Distr/distr/D:geometpdf
InvNorm (area, μ , σ)	Computes value for given area under normal curve with given mean μ and standard deviation σ	2 nd /Distr/distr/3:invNorm
LinReg (a+bx)	Fits linear regression to list data, equation stored to Y name	STAT/Calc/8:linreg(a+bx)
LinRegTTest	Performs linear regression and a t-test.	STAT/Tests/E:LinRegTTest

Normalcdf (min ,max, μ , σ)	Computes cumulative probability for normal distribution between bounds for given mean and standard deviation	2nd/Distr/distr/2:normalcdf
Normalpdf (x, μ , σ)	Computes probability for normal distribution at x for given mean and standard deviation	2nd/Distr/distr/1:normalpdf
1-Prop Z Interval	Calculates a one proportion confidence interval with either data list or given statistics	STAT/Tests/A:1-PropZInt
2-Prop Z Interval	Calculates a two proportion confidence interval with either data list or given statistics	STAT/Tests/B:2-PropZInt
1-Prop Z Test	Computes a one proportion z test	STAT/Tests/B:5:1-PropZTest
2-Prop Z Test	Computes a two proportion z test	STAT/Tests/ 6:2-PropZTest
Randint (lower, upper, # trials)	Displays random integer between given bounds for specified number of trials	MATH/Prob/5:Randint
Tcdf (min, max, df)	Computes the t-distribution probability between lowerbound and upperbound for given df	2nd/Distr/Distr/5:tcdf
T-Interval	Computes a t confidence interval with either data list or given statistics	STAT/Tests/8:Tinterval
T-Test	Performs a t test with either data list or given statistics	STAT/Tests/2:T-Test
1-VarStats (X listname)	Summary of univariate statistics on data in Xlistname	STAT/Calc/1:1VarStats
2-VarStats (X list, Y list)	Summary of bivariate statistics on data in Xlistname and Ylistname	STAT/Calc/2:2VarStats
ZoomStat	Defines viewing window so that all data points are displayed in a StatPlot	ZOOM/zoom/9:zoomstat
Z-Interval (σ known)	Calculates a Z-confidence interval with either data list or given statistics	STAT/Tests/7:Z-interval

Z-Test (σ known)	Performs a Z test with either data list or given statistics	STAT/Tests/1:Z-test
2-Sample T Interval	Computes a two sample t confidence interval with either data list or given statistics	STAT/Tests/0:2-SampTInt
2-Sample T Test	Computes a two-sample t test with either data list or given statistics	STAT/Tests/4:2-SampTTest
2-Sample Z Interval (σ_1, σ_2 known)	Computes a two-sample z confidence interval with either data or given statistics	STAT/Tests/9:2-SampZInt
2-Sample Z Test (σ_1, σ_2 known)	Computes a two-sample z test with either data or given statistics	STAT/Tests/3:2sampZTest