

CALCULATOR FUNCTIONS FOR STATISTICS

COMMAND (ARGUMENTS)	RESULT	KEYS
1-VarStats (X listname)	Summary of univariate statistics on data in X listname	STAT/CALC/1-Var Stats
2-VarStats (X list, Y list)	Summary of bivariate statistics on data in Xlistname and Ylistname	STAT/CALC/2-Var Stats
ZoomStat	Defines viewing window so that all data points are displayed in a StatPlot	ZOOM/9
Normalcdf (min, max, μ , σ)	Computes cumulative probability for normal distribution between bounds for given mean and standard deviation	2 ND /VARS/normalcdf
InvNorm (area, μ , σ)	Computes value for given area under normal curve with given mean μ and standard deviation σ	2 ND /VARS/invNorm
DiagnosticOn	Turns on display of r , r^2 , R^2	2 ND /0''D''/ DiagnosticOn
LinReg (a+bx)	Fits linear regression to list data, equation stored to Y name	STAT/CALC/LinReg(a+bx)
randInt (lower, upper, # trials)	Displays random integer between given bounds for specified number of trials	MATH/PRB/randInt
Binompdf (n, p, x)	Computes probability at X for binomial distribution with probability p of success on one trial	2 ND /VARS/Binompdf

Binomcdf (n, p, x)	Computes cumulative probability at X for binomial distribution with probability p of success on one trial	2 ND /VARS/Binomcdf
Geometpdf (p, x)	Computes probability at trial X for geometric distribution with probability p of success on one trial	2 ND /VARS/geometpdf
Geometcdf (p, x)	Computes cumulative probability at trial X for geometric distribution with probability p of success on one trial	2 ND /VARS/geometcdf
1-Prop Z Test	Performs a hypothesis test for one proportion	STAT/TESTS/1-PropZTest
1-Prop Z Interval	Calculates a one sample confidence interval for proportions	STAT/TESTS/1-PropZInt
2-Prop Z Test	Performs a hypothesis test comparing two proportions	STAT/Tests/2-PropZTest
2-Prop Z Interval	Calculates a two sample confidence interval for proportions	STAT/TESTS/2-PropZInt
T-Test	Performs a hypothesis test for a mean with either data list or given statistics	STAT/TESTS/T-Test
tcdf (min, max, df)	Computes the t-distribution probability between lowerbound and upperbound for given df	2 ND /VARS/tcdf
T-Interval	Computes a confidence interval for a population mean with either data list or given statistics	STAT/TESTS/TInterval

2-Sample T Test	Performs a hypothesis test comparing two means with either data list or given statistics	STAT/TESTS/2-SampTTest
2-Sample T Interval	Computes a confidence interval comparing two means with either data list or given statistics	STAT/TESTS/2-SampTInt
χ^2-Test	Performs chi-square test using Matrix [A] for expected counts	STAT/Tests/ χ^2 -Test
χ^2cdf(min, max, df)	Computes the χ^2 -distribution probability between lowerbound and upperbound for given df	2 ND /VARS/ χ^2 cdf
LinRegTTest	Performs linear regression and a t-test	STAT/TESTS/LinRegTTest