

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	2ND/VARS/Binomcdf
Binompdf (n, p, x)	Computes probability at X for binomial distribution with probability p of success on one trial	2ND/VARS/Binompdf
χ^2cdf (min, max, df)	Computes probability for chi-square distribution between bounds for specified degrees of freedom (df)	2ND/VARS/ χ^2 cdf
χ^2-Test	Performs chi-square test	STAT/Tests/ χ^2 -Test
DiagnosticOff	Turns off display of r , r^2 , R^2	2ND/0/"D"/ DiagnosticOff
DiagnosticOn	Turns on display of r , r^2 , R^2	2ND/0/"D"/ DiagnosticOn
Geometcdf (p, x)	Computes cumulative probability at trial X for geometric distribution with probability p of success on one trial	2ND/VARS/geometcdf
Geometpdf (p, x)	Computes probability at trial X for geometric distribution with probability p of success on one trial	2ND/VARS/geometpdf
InvNorm (area, μ , σ)	Computes value for given area under normal curve with given mean μ and standard deviation σ	2ND/VARS/invNorm

LinReg (a+bx)	Fits linear regression to list data, equation stored to Y name	STAT/CALC/LinReg(a+bx)
LinRegTTest	Performs linear regression and a t-test.	STAT/TESTS/LinRegTTest
Normalcdf (min ,max, μ , σ)	Computes cumulative probability for normal distribution between bounds for given mean and standard deviation	2ND/VARS/normalcdf
1-Prop Z Interval	Calculates a one sample confidence interval for proportions with either data list or given statistics	STAT/TESTS/1-PropZInt
2-Prop Z Interval	Calculates a two sample confidence interval for proportions with either data list or given statistics	STAT/TESTS/2-PropZInt
1-Prop Z Test	Performs a hypothesis test for one proportion	STAT/TESTS/1-PropZTest
2-Prop Z Test	Performs a hypothesis test comparing two proportions	STAT/Tests/ 6:2-PropZTest
randInt (lower, upper, # trials)	Displays random integer between given bounds for specified number of trials	MATH/PRB/randInt
tcdf (min, max, df)	Computes the t-distribution probability between lowerbound and upperbound for given df	2ND/VARS/tcdf
T-Interval	Computes a confidence interval for a population mean with either data list or given statistics	STAT/TESTS/TInterval
T-Test	Performs a hypothesis test for a mean with either data list or given statistics	STAT/TESTS/T-Test

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
Z-Interval (σ known)	Calculates a confidence interval for a population mean with either data list or given statistics	STAT/TESTS/ZInterval
Z-Test (σ known)	Performs a hypothesis test for a mean with either data list or given statistics	STAT/TESTS/Z-Test
2-Sample T Interval	Computes a confidence interval comparing two means with either data list or given statistics	STAT/TESTS/2-SampTInt
2-Sample T Test	Performs a hypothesis comparing two means with either data list or given statistics	STAT/TESTS/2-SampTTest
2-Sample Z Interval (σ_1, σ_2 known)	Computes a confidence interval comparing two means with either data or given statistics	STAT/TESTS/2-SampZInt
2-Sample Z Test (σ_1, σ_2 known)	Performs a hypothesis comparing two means with either data list or given statistics	STAT/TESTS/2-SampZTest