CALCULATOR COMMANDS FOR STATISTICS

Calculators can be used to perform many tasks related to statistics. This is a guide to commands on the TI-83/84 that STAT 200 students need to know. Note that some details have changed in newer editions of this calculator. It is necessary to practice using these commands to remember them during quizzes and exams.

Note that the DiagnosticOn command must be used (once) before correlation can be displayed.

Section	Purpose	Menu	Command
1.2	Random x, $0 \le x \le 1$	MATH $\rightarrow$ PRB	rand
1.2	Random integer x, $a \le x \le b$	MATH $\rightarrow$ PRB	randInt(a, b)
3.1	Input List	STAT $\rightarrow$ EDIT	Edit...
3.1	1-Variable Stats	STAT $\rightarrow$ CALC	1-VarStats L_1
14.2	2-Variable Stats	STAT $\rightarrow$ CALC	2-VarStats L_1, L_2
	DiagnosticOn (Necessary Once)	Catalog $\rightarrow$ D	DiagnosticOn (Enter)
14.4	Correlation	STAT $\rightarrow$ CALC	LinReg(ax+b) L_1, L_2
14.2	Regression Line	STAT $\rightarrow$ CALC	LinReg(ax+b) L_1, L_2
14.2	Scatterplot	STAT PLOT	First Plot, Select Lists
14.1	Graph Function	Y=	Enter Y, Press Graph
14.1	Adjust Graph Window	WINDOW	Change x, y max, min
4.8	Count Permutations	MATH $\rightarrow$ PRB	nPr
4.8	Count Combinations	MATH $\rightarrow$ PRB	nCr
4.8	Factorial	MATH $\rightarrow$ PRB	!
5.3	Binomial Distribution	DISTR	binompdf(N, p, x)
5.3	Binomial (Sum 0 to x)	DISTR	binomcdf(N, p, x)
6.3	Normal $P(a \le x \le b)$	DISTR	normalcdf(a, b, μ, σ)
6.2	Normal $P(a \le z \le b)$	DISTR	normalcdf(a, b)
6.2	Inverse Normal ($p\%$ left)	DISTR	invNorm(p, μ, σ)
8.2	Confidence Interval (σ known)	STAT $\rightarrow$ TEST	ZInterval
8.3	Confidence Interval (σ unknown)	STAT $\rightarrow$ TEST	TInterval
9.4	One Mean z-test (σ known)	STAT $\rightarrow$ TEST	Z-Test
9.5	One Mean t-test (σ unknown)	STAT $\rightarrow$ TEST	T-Test
10.3	Two Sample t-test	STAT $\rightarrow$ TEST	2-SampTTest
10.3	Two Sample Confidence Interval	STAT $\rightarrow$ TEST	2-SampTInt
12.1	One Proportion Confidence Interval	STAT $\rightarrow$ TEST	1-PropZInt
12.2	One Proportion z-test	STAT $\rightarrow$ TEST	1-PropZTest
12.3	Two Proportion Confidence Interval	STAT $\rightarrow$ TEST	2-PropZInt
12.3	Two Proportion z-test	STAT $\rightarrow$ TEST	2-PropZTest
13.4	Input Matrix	MATRIX $\rightarrow$ EDIT	Input size, values
13.4	Chi-Square Test	STAT $\rightarrow$ TEST	χ^2-Test
16.3	Analysis of Variance	STAT $\rightarrow$ TEST	ANOVA$(L_1, L_2, ...)$