Useful TI-83/84 Commands for Introductory Math Courses

Table-1: Commands for MATH 1342 Introductory Statistics

Command/Key	Purpose	Section(s)[1]
2nd→ENTER	Repeats last command entered	
ANS	Allows quick recall of last value computed	
CATALOG	Lists all commands on calculator for easy reference	
DISTR→binomcdf(n,p,x)	Computes cumulative binomial probability starting from $x = 0$.	5-3
DISTR→binompdf(n,p,x)	Computes binomial probability	5-3
DISTR→invNorm(*area*,μ,σ)	Computes value given the normal probability. Hint: use area to the left!	6-3
DISTR→invT(*area*,df)	Computes value given the t-distribution probability. Hint: use area to the left!	7-4, 8-5, 9-3, 9-4
DISTR→normalcdf(*low*,*high*,μ,σ)	Computes probability based on normal distribution	6-3, 6-5
DISTR→tcdf(*low*,*high*,df)	Computes probability based on t-distribution. Hint: *df* (degrees of freedom) = *n*-1	8-5, 9-3
LIST→MATH→sum(	Takes the sum of a list/column of data	
MATH→!	Computes factorial of a number	4-7
MATH→PRB→nCr	Computes possible combinations of *r* items selected from *n* total items	4-7
MATH→randInt(*start*,*end*,n)	Computes a list of *n* random integers	4-6
STAT PLOT	Draws histograms, box plots, scatter plots	2-3, 3-5, 10-2
STAT→CALC→1-VarStats L$_1$	Computes descriptive statistics for list L$_1$	

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[1] Numbers correspond to sections of *Elementary Statistics,* 10th edition, by Mario Triola, in which the given calculator command is particularly useful.

Command/Key	Purpose	Section(s)[1]
STAT→CALC→1-VarStats L₁, L₂	Computes descriptive statistics for a 2-column table in lists L_1 and L_2	3-2, 3-3, 5-2
STAT→SetUpEditor	Resets the spreadsheet/list editor to restore lists L_1 thru L_6	
STAT→SortA(	Sorts a list/column of data in ascending order	3-2, 3-4
STAT→TESTS→1-PropZInt	Computes CI for a proportion	7-2
STAT→TESTS→1-PropZTest	Computes test statistics and p-value for test about a proportion	8-3
STAT→TESTS→2-PropZTest	Computes test statistic and p-value for test comparing two proportions	9-2
STAT→TESTS→2-SampTInt	Computes CI for difference between two means. Hint: Sx_1 and Sx_2 are usually NOT pooled.	9-3
STAT→TESTS→2-SampTTest	Computes test statistic and p-value for tests comparing two μ values. Hint: Sx_1 and Sx_2 are usually NOT pooled.	9-3
STAT→TESTS→LinRegTTest	Computes correlation coefficient r and linear regression line for data in lists L_1 and L_2	10-2, 10-3
STAT→TESTS→TInterval	Computes CI for μ (σ not known)	7-4, 9-4
STAT→TESTS→T-Test	Computes test statistic and p-value for test about μ (σ not known)	8-5, 9-4
STAT→TESTS→ZInterval	Computes CI for μ (σ known)	7-3
STAT→TESTS→Z-Test	Computes test statistic and p-value for test about μ (σ known)	8-4
STO→A	Stores last value computed into A (or any other letter) for quick recall later	
TRACE	Moves cursor left or right in a stat plot	
VARS→Statistics	Allows quick recall of recently computed statistics	
WINDOW→Xscl	Changes the class/bar width in a histogram	
ZOOM→ZoomStat	Graphs using the default settings for statistics	