

Statistics with List Editor for the TI-89, TI-92 Plus, and Voyage™ 200

1. Press [APPS]. Select 1: FlashApps, then select Stats/List Editor. Press [ENTER]. Notice that the APP is set up with default lists, list1-list6.

F1→ Tools	F2→ Plots	F3→ List	F4→ Calc	F5→ Distr	F6→ Tests	F7→ Ints
list1	list2	list3	list4			
list1=0						
MAIN		RAD AUTO		FUNC		1/6

2. Press the down arrow. Input 1 and press [ENTER]. Repeat with the numbers 2, 3, 4, 5, and 6. So, list1 is now {1,2,3,4,5,6}.

F1→ Tools	F2→ Plots	F3→ List	F4→ Calc	F5→ Distr	F6→ Tests	F7→ Ints
list1	list2	list3	list4			
1						
2						
3						
4						
5						
6						
list1[7]=						
MAIN		RAD AUTO		FUNC		1/6

3. Press [2nd] and the up arrow to move to element list1[1]. Press the up arrow and the right arrow to enter the definition area for list2. Press [ENTER]. Type in an expression based on list1 for list2. Use list1² – list1+3. Use the alpha key as needed.

F1→ Tools	F2→ Plots	F3→ List	F4→ Calc	F5→ Distr	F6→ Tests	F7→ Ints
list1	list2	list3	list4			
1						
2						
3						
4						
5						
6						
list2=list1^2-list1+3						
MAIN		RAD AUTO		FUNC		2/6

4. Press [ENTER]. The calculated values have been pasted into list2.

F1→ Tools	F2→ Plots	F3→ List	F4→ Calc	F5→ Distr	F6→ Tests	F7→ Ints
list1	list2	list3	list4			
1	3					
2	5					
3	9					
4	15					
5	23					
6	33					
list2[1]=3						
MAIN		RAD AUTO		FUNC		2/6

5. Calculate the 2-variable statistics for these lists. Press [F4] (Calc) and choose 2: 2-Var Stats.... The dialog box appears. Either type in the list names or press [2nd] [VAR-LINK] to select and paste these list names into the dialog box. Then press [ENTER] twice to accept all the inputs and calculate.

F1→ Tools	2-Var Stats...					
list1	x	=3.5				4
1	Σx	=21.				
2	Σx ²	=91.				
3	Sx	=1.87083				
4	σx	=1.70783				
5	n	=6.				
6	Σ	=14.6667				
	↓ Σy	=88.				
	[Enter]=OK					
MAIN		RAD AUTO		FUNC		2/6

6. Calculate a regression for these lists. Press [F4] (Calc) and choose 3: Regressions then 8: ExpReg (for example). The listnames are already there so press [ENTER] to accept. Notice that when you leave the output dialog box, the residuals lists are pasted to the end of the list editor, for your convenience.

F1→ Tools	F2→ Plots	F3→ List	F4→ Calc	F5→ Distr	F6→ Tests	F7→ Ints
			ExpReg...			
list1			y=a*b^x			4
1			a	=1.94716		
2			b	=1.62898		
3			r ²	=.993531		
4			r	=.99676		
	[Enter]=OK					
list2[1]=3						
MAIN		RAD AUTO		FUNC		2/6

This is a small sample of what the Statistics with List Editor APP can do. To learn more, download the manual from education.ti.com

To exit the Statistics with List Editor APP, press [2nd] [QUIT].