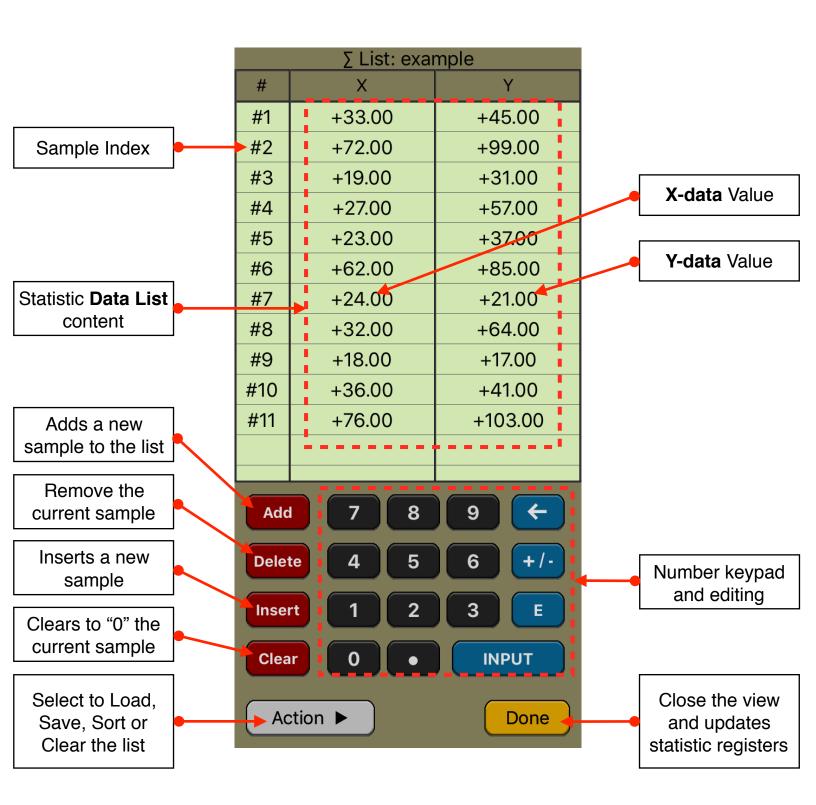# X,Y Data Editor "Pro" Tool

This tool adds a convenient editor to create two variables samples list to use in statistics calculations. To show it, press the `OPT` key, touch the "Statistics" menu button, and select the "X,Y Data Editor" tool.

∑ List: example

#	X	Y
#1	+33.00	+45.00
#2	+72.00	+99.00
#3	+19.00	+31.00
#4	+27.00	+57.00
#5	+23.00	+37.00
#6	+62.00	+85.00
#7	+24.00	+21.00
#8	+32.00	+64.00
#9	+18.00	+17.00
#10	+36.00	+41.00
#11	+76.00	+103.00

Sample Index

X-data Value

Y-data Value

Statistic **Data List** content

Adds a new sample to the list — Add

Remove the current sample — Delete

Inserts a new sample — Insert

Clears to "0" the current sample — Clear

Number keypad and editing

7	8	9	←
4	5	6	+/-
1	2	3	E
0	.	INPUT	

Select to Load, Save, Sort or Clear the list — Action ▶

Done

Close the view and updates statistic registers

The editor has three areas: the data listing, the keypad to enter numbers and the actions buttons.

Data Listing:

- Shows the current content of the statistic data list.

- Touch a X or Y value in the list to select it for editing. The row must exist to allow the selection.

- Use the Keypad to to enter a value in the selected cell.

Keypad:

- The keyboard contains the common 15 keys for number entry including the change sign, exponent and backspace.

- A number in edition is actually entered in the list when the **[INPUT]** key is pressed

Action Buttons:

[Add]	Creates a new data row at the end of the list.
[Insert]	Inserts a new empty X,Y data above the current line.
[Delete]	Deletes the current X,Y data and shift up the list.
[Clear]	Clears the current X,Y data samples to 0.0.
[Done]	Updates the statistic registers R_1 to R_6, and closes the editor. Also ask for saving the list for further use or not.
[Action ▶]	Shows a list of actions that affects the whole list: "**Load From File**": Load a previous saved list into the editor. "**Save To File**": Save the list in a file for further use. "**Sort by X**": Sorts the list ascending by X values. "**Sort by Y**": Sorts the list ascending by Y values. "**Clear All**": Clears the list.

Example: Enter the following data samples :

Salesman	Hours / Week	Sales / Month
1	32	$17,000
2	40	$25,000
3	45	$26,000
4	40	$20,000
5	38	$21,000
6	50	$28,000
7	35	$15,000

Keystrokes for entering the data in the form "Hours/Week" as Y-values and "Sales/Month" as X-values:

Keys	Comment
[f] clear [Σ]	Clears statistics registers (R_1 to R_6).32
[OPT] [Statistics]	Shows the Options Menu & select Statistics tools.
[X,Y Data Editor]	Shows the "Σ Data Editor" tool.
[ADD]	Creates a new data sample.
17000 [INPUT] 32 [INPUT] [ADD]	Entries the first sample and adds a new one.
25000 [INPUT] 40 [INPUT] [ADD]	Entries the second sample and adds a new one.
26000 [INPUT] 45 [INPUT] [ADD]	Entries the third sample and adds a new one.
20000 [INPUT] 40 [INPUT] [ADD]	Entries the fourth sample and adds a new one.
21000 [INPUT] 38 [INPUT] [ADD]	Entries the fifth sample and adds a new one.
28000 [INPUT] 50 [INPUT] [ADD]	Entries the sixth sample and adds a new one.

Keys	Comment
15000 [INPUT] 35 [INPUT]	Entries the last sample.
[Done]	Updates the statistic registers accordingly to the data list values, and closes the view.
Confirm to save or not the current list as a file	Give a name ("TestXY") to the list and touch "Yes" to save the list in a file (same list is used in the Regression tool example)