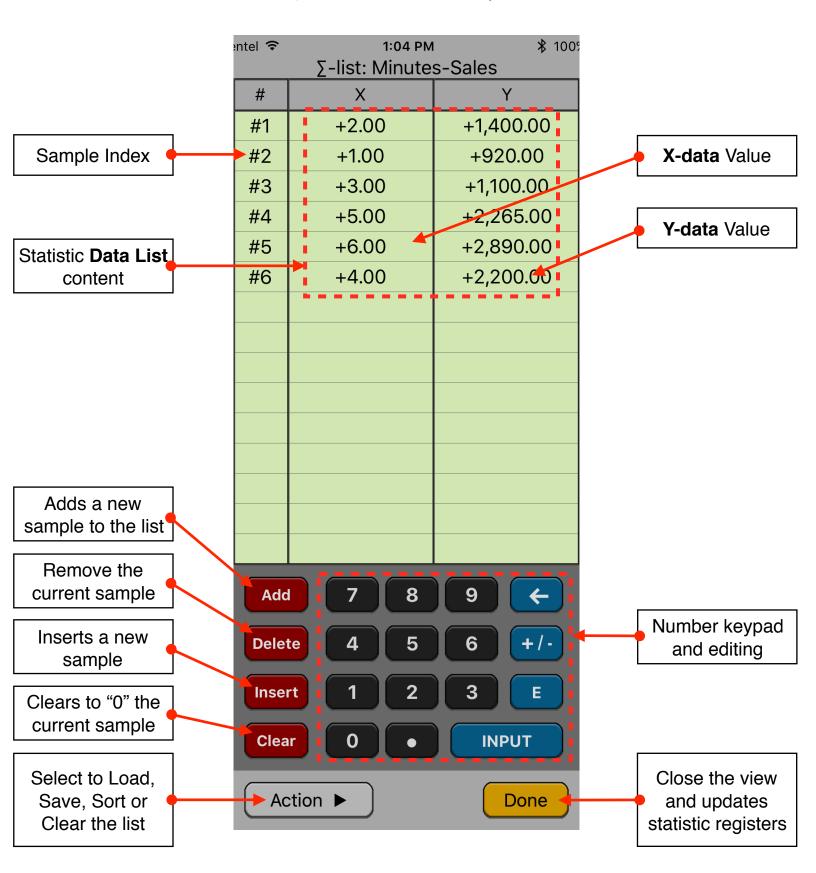# X,Y Data Editor Tool

This Tool adds a convenient way to create, visualize and edit statistics X-Y data samples. To show it, press the `OPT` key, touch the "**Statistics**" or "**Utilities**" menu button, and select the "**X,Y Data Editor**" tool.

Sample Index

Statistic Data List content

X-data Value

Y-data Value

∑-list: Minutes-Sales

#	X	Y
#1	+2.00	+1,400.00
#2	+1.00	+920.00
#3	+3.00	+1,100.00
#4	+5.00	+2,265.00
#5	+6.00	+2,890.00
#6	+4.00	+2,200.00

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 ▶

Close the view and updates statistic registers — Done

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. "**Swap X by Y**": Interchanges X-column by Y-column "**Clear All**": Clears the list.

Example:

For the last six weeks the following data was collected: minutes of advertising purchased in local radio and the corresponding total sales:

Week	Minutes (X)	Sales (Y)
1	2	$1,400
2	1	$920
3	3	$1,100
4	5	$2,265
5	6	$2,890
6	4	$2,200

Create a list named "Minutes-Sales" to keep the data for further analysis.

Solution:

Keys	Comment
[Action ▶] [Clear List] [ADD]	Initialize the list for data entry.
2 [INPUT] 1400 [INPUT] [ADD] 1 [INPUT] 920 [INPUT] [ADD] 3 [INPUT] 1100 [INPUT] [ADD] 5 [INPUT] 2265 [INPUT] [ADD] 6 [INPUT] 2890 [INPUT] [ADD] 4 [INPUT] 2200 [INPUT]	Entries of the data samples.
[Action ▶] [Save To File]	Save the list to a file. Name the file "Minutes-Sales" and touch "Save".
[Done]	Updates the statistic registers.