

Σ Data Editor View

Press the **OPT** button and then select the “Σ Data Editor” option to show the view. In this view you enter or edit “X” and “Y” data samples easily.

The screenshot shows the Σ Data Editor View on a calculator. The screen displays a table with 7 rows of data. The first column is labeled '#', the second 'X-values', and the third 'Y-values'. The data is as follows:

#	X-values	Y-values
1	17,000.00	32.00
2	25,000.00	40.00
3	26,000.00	45.00
4	20,000.00	40.00
5	21,000.00	38.00
6	28,000.00	50.00
7	15,000.00	35.00

The calculator interface includes several buttons and a keypad. The buttons are: ADD, INS, DEL, CLR, 7, 8, 9, ←, 4, 5, 6, +/-, 1, 2, 3, E, 0, ., INPUT, Load, Save, and Done. The keypad and the ADD, INS, DEL, CLR buttons are highlighted with a red dashed box.

Callout boxes provide the following descriptions:

- Sample Index
- X-data Value
- Statistic **Data List** content
- Insert a new **Sample** before selected
- Adds a new **Sample** at the end of the list
- Y-data Value
- Selected **data value**
- Delete the selected **Sample**
- Clear to “0” the selected value
- Number keypad and editing
- Loads a previously saved Data list file
- Saves the current Data list in a File
- 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 (see the Memory topic).
- Touch a row of the list to select it. The row must exist to allow the selection (see **[ADD]** below).
- Touch it again to enter in editing state.

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 [ENTER] key is pressed

Action Buttons:

[ADD]	Creates a new data row at the end of the list.
[INS]	Inserts a new empty X,Y data above the current line.
[DEL]	Deletes the current X,Y data and shift up the list.
[CLR]	Clears the current X,Y data samples to 0.0.
[Load]	Opens a file picker to load a previously saved data file.
[Save]	save the current data list to a file.
[Done]	Saves the statistic data list to the calculator, updates the statistic registers R_1 to R_6 , and closes the editor.

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 and current statistic data list.
[OPT]	Shows the calculator’s options selection menu.
[Σ Data Editor]	Shows the “Σ Data Editor” view.
[ADD]	Creates a new data sample.
17000 [INPUT] 32 [ADD]	Entries the first sample and adds a new one.
25000 [INPUT] 40 [ADD]	Entries the second sample and adds a new one.
26000 [INPUT] 45 [ADD]	Entries the third sample and adds a new one.
20000 [INPUT] 40 [ADD]	Entries the fourth sample and adds a new one.
21000 [INPUT] 38 [ADD]	Entries the fifth sample and adds a new one.
28000 [INPUT] 50 [ADD]	Entries the sixth sample and adds a new one.
15000 [INPUT] 35 [INPUT]	Entries the last sample.
[Done]	Updates the statistic registers accordingly to the data list values, and closes the view.