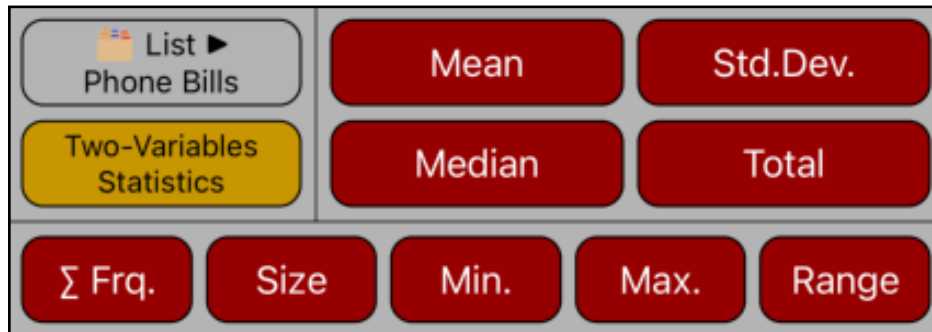





(X,N) List Statistics Menu



This menu allows to perform basic statistical calculations over a previously created list, which must be in the form of : sample value and its frequency (a “**(Value, Frequency) List**”).





Cash Flows Menu Buttons	
[ List ▶]	Statistics action menu.
 New	Opens the “ (Value, Frequency) List Editor ” to create a new list.
 Edit	Opens the “ (Value, Frequency) List Editor ” to edit the current list.
> Load	Shows a menu to load an existing “X,N List”.
[Mean]	Calculates the arithmetic Mean of the current list.
[Std.Dev.]	Calculates the Standard Deviation of the current list.
[Median]	Calculates the Median of the current list.
[Total]	Calculates the Total sum of the current list.
[ΣFrq.]	Calculates the sum of frequencies ('N' column) in the current list.
[Size]	Calculates the the number of entries in the current list.
[Min.]	Calculates the Minimum value of the current list.
[Max.]	Calculates the Maximum value of the current list.
[Range]	Calculates the difference Max. Minus Min. value in the current list.
[Two-Variables Statistics]	Shows the “ Two-Variables Statistics ” menu to perform statistics calculations with a “ (Value, Frequency) List ” list assigned to the “X” variable and other assigned to the “Y” variable.

Example:

Suppose your phone bills during the past six months are: \$340, \$175, \$450, \$780, \$245 and \$625. Calculate the mean, median, standard deviation and Total of the monthly phone bills. Also, what is the lowest, the highest and the range ?.

Solution:

First, follow the next sequence to create the “Phone Bills” list:

Keys	Comment
[ List ►]  New	Show the “ (Value, Frequency) List Editor ” to create the list.
[Add] 340 [Enter]	Enters the bill #1 in the list.
[Add] 175 [Enter]	Enters the bill #2 in the list.
[Add] 450 [Enter]	Enters the bill #3 in the list.
[Add] 780 [Enter]	Enters the bill #4 in the list.
[Add] 245 [Enter]	Enters the bill #5 in the list.
[Add] 625 [Enter]	Enters the bill #6 in the list.
[ List ►]  Name...	Shows a Name entry form to name the list.
Type “Phone Bills” and [Done]	Name the list “Phone Bills”
[Save]	Save the list and close the editor

Once the list is created and you are back to the “Statistics” menu, follow the next sequence to answers all the questions:

(If the “Phone Bills” list is not loaded, touch the [ List ►] menu button, select the “> Load” submenu and touch the “ Phone Bills” item)

Keys	Comment
[Mean]	Calculates the mean of the bills. Mean = 435.83
[Median]	Calculates the median of the bills. Median = 395.00

Keys	Comment
[Std.Dev.]	Calculates the standard deviation. Std.Dev = 231.55
[Total]	Calculates the total of the bills. Total = 2,615.00
[Min.]	Calculates the lowest bills. Min = 175.00
[Max.]	Calculates the highest bills. Max = 780.0
[Range]	Calculates the Range of the bills. Range = 605.00