

# Statistics using a Casio *fx-83GT*

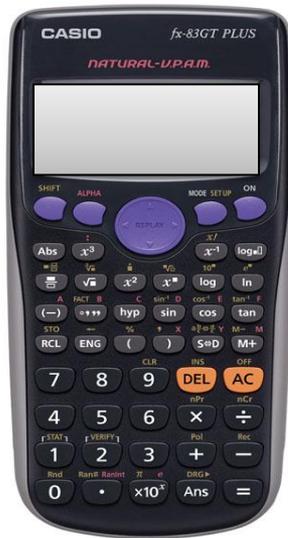
To have frequency available in a statistical table you must turn on the "Frequency" option



# Standard deviation ( $\sigma$ ) using a Casio *fx-83GT*

Find the standard deviation of the following frequency table

Variable	1	2	3	4
Frequency	1	4	9	6



Standard Deviation = 0.836

1. Put calculator into statistics mode for data with 1 variable :



2. Enter the data into the table:

Press  after entering each number.

	X	FREQ
1	1	1
2	2	4
3	3	9
4	4	6



Use the Replay button to move around the table

When table is correct press



Note: the display now reads "0"

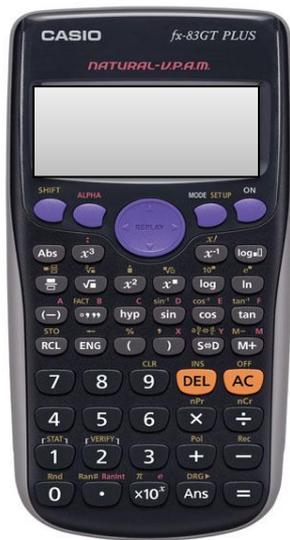
3. Get the standard deviation



# Correlation (r) using a Casio fx-83GT

Find the correlation between the following bi-variate data

X	1	2	3
Y	6	4	2



Correlation:  $r = -1$

1. Put calculator into statistics mode for data with 2 variables :



2. Enter the data into the table:

Press  after entering each number.

	X	Y	FREQ
1	1	6	1
2	2	3	1
3	3	2	1



Use the Replay button to move around the table

When table is correct press



Note: the display now reads "0"

3. Get the correlation

