

Math 110

### How to Use the Casio fx-300W

How to find the mean, standard deviation, and variance for a list of numbers using the Casio fx-300W

Example:

5    5    5    3    1    5    1    3    4    5

Press the following keys:

Mode

2

Shift AC =

5 M+

5 M+

5 M+

3 M+

Continue until all numbers have been entered

$\bar{x}$  = mean

$x\sigma n$  = pop stdev

$x\sigma n - 1$  = sample stdev

To find the mean, press Shift 1

To find the sample standard deviation, press Shift 3.

Once you have the standard deviation, to find the variance, press  $x^2$ .

To find the mean, standard deviation, and variance from a frequency table:

Example:

Classes	Frequency
0.0 - 5.9	10
5.9 - 11.9	8
12.0 - 17.9	9
18.0 - 23.9	9
24.0 - 29.9	4

Follow the same steps as before to get into statistics mode (Mode 2)

Always clear your calculator (Shift AC =)

Input the class mark, then press Shift , and then input the frequency.

2.95	Shift ,	10	M+
8.95	Shift ,	8	M+
14.95	Shift ,	9	M+

Continue until all pairs have been entered.

Find the mean, standard deviation and variance as before.

Shift 1                      Mean  
Shift 3                      St Dev

To find the variance, square the standard deviation.