

## Descriptive Statistics on the TI-86

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Written by Jeff O'Connell – [joconnell@ohlone.edu](mailto:joconnell@ohlone.edu)

Ohlone College

<http://www2.ohlone.edu/people2/joconnell/ti/>

Steps:

1) Press [2<sup>nd</sup>] [LIST] and select [EDIT].

2) Enter the data in the *xStat* column. If you have weighted data, enter the weights in the *yStat* column.

*Note:* If there are numbers already in either of the columns then use the arrows to highlight the name of the column (*xstat* or *ystat*) and press [CLEAR] then [ENTER]

3) Once the data have been entered press [EXIT] to get back to the home screen.

4) Press [2<sup>nd</sup>] [STAT] and select [CALC].

5) Selecting [OneVa] will give you the one-variable statistics.

- For non weighted data select [OneVa], then press [2<sup>nd</sup>], [List], select [Names] then [xStat]. You will see *OneVar xStat* on the screen. Press [Enter] to get the one Variable Statistics.
- For weighted data, follow the same steps as above but enter *OneVar xStat, yStat*.

The TI-86 calculates the following values:

$\bar{x}$	Mean
$\sum x$	Sum of the x's
$\sum x^2$	Sum of the squares of x's
$S_x$	Sample standard deviation
$\sigma_x$	Population standard deviation
n	sample/population size
minX	Smallest data point
Qrtl1	1 <sup>st</sup> Quartile
Med	Median
Qrtl3	3 <sup>rd</sup> Quartile
maxX	Largest data point