

**Statistical Information: Mean and Standard Deviation**

1. Clear out your old data... from your lists  
[2<sup>nd</sup>] [+] [4:ClearAllLists] [ENTER]
2. Enter in the new data.  
[STAT] [1:Edit]
  - For a single list: [L<sub>1</sub> for data]
  - For two lists (one contains values and one the frequency of occurrence: [L<sub>1</sub> for data] and [L<sub>2</sub> for frequency]
3. Calculate:  
[STAT] → [CALC]

**Statistical Information: Normal Curves**

1. Normal Distributions to find the area between z-scores  
[2<sup>nd</sup>][VARS] DISTR → normalcdf(
2. Find the z-score knowing area to the left:  
[2<sup>nd</sup>][VARS] DISTR → invNorm((

**To generate a regression from a set of data:**

1. Clear out your old data... from your lists and from [y=]  
     [2<sup>nd</sup>] [+] [4:ClearAllLists] [ENTER]  
     [y=] [CLEAR]
2. Enter in the new data.  
     [STAT] [1:Edit] [L<sub>1</sub> for x values] [L<sub>2</sub> for y values]
3. See the data you entered.
  - a. Set a WINDOW  
     [WINDOW] *enter values that match your data*
4. Find the regression for the \_\_\_\_\_ function and tell the calculator where to find your data (Xlist is L<sub>1</sub> and Ylist is L<sub>2</sub>) and where you want the equation to show up (show up in Y<sub>1</sub>):

[STAT] → [CALC] [“QUADReg”][ENTER]

NEWER TI 84's: should look like this

```
Xlist:L1
Ylist:L2
FreqList:
Store RegEQ:
Calculate
```

We need to add the “Y<sub>1</sub>” to Store RegEQ

[VARS] → [Y-VARS]

[FUNCTION] [y<sub>1</sub>] [ENTER]

```
Xlist:L1
Ylist:L2
FreqList:
Store RegEQ:Y1
Calculate
```

OLDER TI 84's: there is no picture, we need to key in our information:

[2<sup>nd</sup>] [1] [,] [2<sup>nd</sup>] [2] [,] [VARS] → [Y-VARS] [FUNCTION] [y<sub>1</sub>] [ENTER]

**ERROR MESSAGES:**

- |                |  |
|----------------|--|
| Syntax Error – | you gave conflicting commands to the calculator... go to the error, clear out the line and enter properly.   |
| Dim Mismatch – | your stat plots are on, trying to plot data from your lists but you do not have pairs of data in your lists... go to the lists and match up your data OR turn off your stat plots. |
| Invalid Dim –  | your stat plots are on, trying to plot data from your lists but you do not any data in your lists... go to the lists and enter your data OR turn off your stat plots.              |

If you go to graph, and you don't see your axes... go to [FORMAT]

[2<sup>ND</sup>] [ZOOM]

*it is often best to have all the information in the left hand column highlighted.*