

Calculating the Least Squares Regression Line

Enter the independent data values into L1 and the dependent values into L2.

After entering the data into the appropriate lists, calculate the least squares regression line by first selecting the **STAT** button, the following screen should appear.

```
STAT CALC TESTS
1:Edit...
2:SortA(
3:SortD(
4:ClrList
5:SetUpEditor
```

Then select **CALC** and the following screen should appear.

```
EDIT TESTS
1:1-Var Stats
2:2-Var Stats
3:Med-Med
4:LinReg(ax+b)
5:QuadReg
6:CubicReg
7:QuartReg
```

Select **8: LinReg(a+bx)** and the following screen should appear.

```
LinReg(a+bx)
```

The press **ENTER** and your regression line will appear.

```
LinReg
y=a+bx
a=-104.5249284
b=2.164086762
r2=.8466879727
r=.9201564936
```