

How to compute the correlation coefficient:

1. Enter your data into two of the lists maintaining the paired relationships between values of one list and those of the other.
2. Select the STAT key

```
2ND 7) CALC TESTS
1) Edit...
2) SortA(
3) SortD(
4) ClrList
5) SetUpEditor
```

3. Choose the CALC menu using the right arrow key:

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

4. Choose option number 8 (LinReg(a+bx)):

```
LinReg(a+bx) ■
```

5. Before hitting enter, you must enter the two lists containing your data. The first list you enter must be the x list and the second list must be your y list.

```
LinReg(a+bx) L1,
L2 ■
```

6. In the above screen, L1 is the list of x values and L2 is the list of y values. Upon hitting enter, you will see the following output:

```
LinReg
y=a+bx
a=.355415246
b=.0849765121
r2=.1912425942
r=.4373129248
■
```

7. If the r and r² values do not show up, then you need to turn on the Diagnostics. (To do this hit the 2nd 0 keys and scroll down to DiagnosticsOn and hit enter twice). Then rerun the test.