

Technology Notes: Correlation on the TI83/84 Graphing Calculator

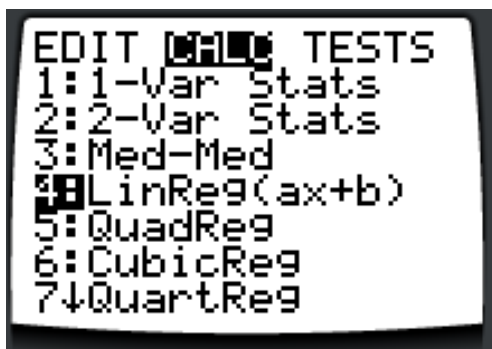
Enter the data, with explanatory variable in list 1 and the response variable in list 2.

L1	L2	L3	Z
520	3.2		
715	3.9		
405	2.3		
680	3.8		
490	2.5		
565	3.5		

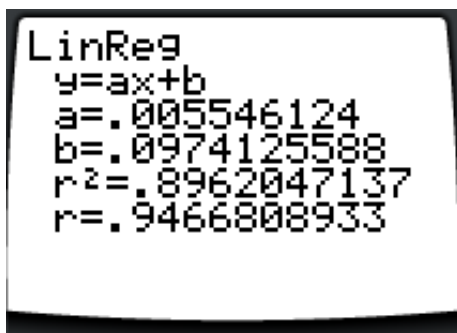
L2(8) =			

To find correlation you must first make sure the diagnostic function on your calculator is turned on. Press the [2nd] key followed by the [0] (zero) key to bring up the catalog menu. Scroll down until you find **DiagnosticOn**. Press the [Enter] key. Your calculator should now be ready to display correlation, and you should not need to go through the diagnostic on step again.

Now press [STAT] and move over to the [CALC] heading, and then down to option 4:[LinReg(ax+b)]. See figure below.



Press [ENTER] on option 4 and you should see the screen below.



There you can see correlation is about $r = 0.95$.