

Regression Using Multiple Lists

In the 400m run example, there were two sets of data that we wished to compare. L1 and L2 can be used for the women's data; L3 and L4 can be used for the men's data.

On the 82, 83, and 84:

To graph the scatter plots...

STAT Edit <enter data in L1 through L4> STATPLOT

PLOT1 ON L1 L2 ENTER

PLOT2 ON L3 L4 Choose different mark than Plot1 ENTER

Zoom 9:ZoomStat

To compute the regression coefficients...

STAT CALC <select regression type> L1 (2nd 1), L2 (2nd 2), Y1 (VARS) ENTER

Example of what you will see on the home screen: LinReg L1,L2,Y1

STAT CALC <select regression type> L3,L4,Y2 ENTER GRAPH

To use the regressions for prediction, the equations are in Y=