

Linear Regression with Graphing Calculator "Cheat Sheet"

- 1. ENTER DATA:** Press [STAT] [1] (Edit). Clear data in L_1 and L_2 (or other lists) by up arrowing to name of list, and pressing [CLEAR]. Enter data in each list, where one is your X (horizontal) data and the other is your Y (vertical) data.
- 2. Select Plot:** Press [2nd] [Stat Plot]. Press enter to select a plot. Set ON, scatter picture, Xlist name (usually L_1), Ylist name (usually L_2) and your favorite mark (note: only need to do this one time).
- 3. Perform Linear Regression:** Press [STAT] [CALC][4] (LinReg(ax+b)).
- 4. Enter List Names:** Next to prompt, type list names (usually L_1 and L_2) separated by a comma. Don't press enter yet.
- 5. Specify Function:** Enter a comma next to your second list, then press [VARS] [Y-VARS] (requires a scroll to the right) [1](function) [1] (Y_1)
- 6. Generate Equation:** Press [ENTER]. You will see linear regression data, such as slope, y-int., and correlation coefficient.
- 7. See Graph:** Press [ZOOM][9] (ZoomStat) to see scatter plot with line of best fit.
- 8. Analyze Data:** Use [TRACE] or [2nd] [TABLE] to view data points. Press [2nd] [TBLSET] to reposition table or change interval.