

Graphing Calculator Cheat sheet for Correlation/Regression

To clear a list:

STAT

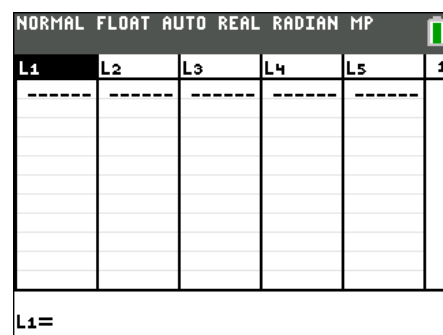
EDIT

Arrow key up until you are on the name

of the list you want to clear i.e. L₁

Press CLEAR (Not DEL)

Press down arrow



To enter data:

STAT

EDIT

Type data values into list(s)



Finding r, a, b: *Make sure StatDiagnostic is On:

press MODE arrow down to StatDiagnostic: ON press ENTER

only needs to be done once or if calculator memory is reset or loses charge for a long time

STAT

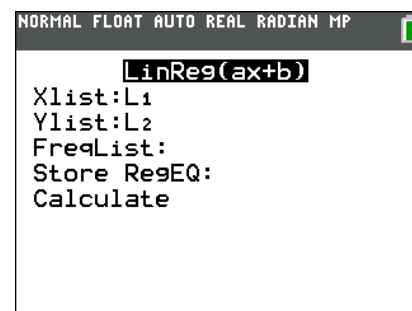
CALC

4:LinReg (ax+b)

X List: L₁, Y List: L₂,

FreqList: and Store RegEQ: Both Blank

Calculate; Enter



You can add Y₁ to StoreRegEq to have calculator automatically save and graph regression equation Y₁ can be found by pressing 2nd VARS Function Y₁ Enter

Graphing a Scatterplot:

2nd Statplot

set up the graphing screen,

make sure graph is “ON” and others are “OFF”

ZOOM 9

Graphing line of best fit on scatterplot:

STAT

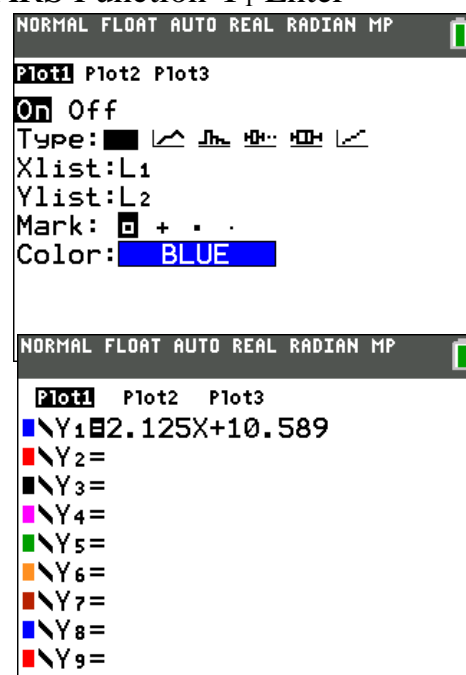
CALC

4:LinReg(ax+b) record values of a and b

**round to at least 3 places

Y= enter equation, use X,T,θ,n key for “x”

Press Zoom 9 to make graph fit nicely in the calculator window



Creating residuals list:

2ND LIST

RESID STO 2ND L# Usually L 3

Finding sum of residuals:

2ND LIST

MATH

SUM(L#)

Creating residual plot:

2nd Statplot

set lists to L1 and resid list# (L3)

Zoom 9