Regression (equation) Calculator Notes

1) Putting data into the calculator
STAT, #1 Edit, Clear out old data (highlight L1, Clear, Enter)
Enter x values into L1 and y values into L2

2) To Graph the Scatter Plot
2nd, Y=, #1 Plot1, Turn On (highlight On and hit Enter), choose the first graph and hit ENTER, Zoom #9
(After doing this step once you just have to do Zoom 9 to graph new data)

3) Correlation Coefficient (r-value)
2nd Catalog (Zero button)
Scroll down until you see DiagnosticOn, Enter, Enter (the screen will display Done and the r-value will show up after step 4)

4) Finding the equation of the graph:
Stat, →CALC, choose the number that coordinates to the shape of the graph
#4 LinReg for linear equations
#5 QuadReg for quadratic equations
#0 ExpReg for exponential equations
Then scroll down to Calculate and hit Enter

5) Graph the equation of the line of best-fit in your calculator
Y=, CLEAR (clear out any old equations), VARS, 5:Statistics, →EQ, #1:RegEQ
OR
Stat, →CALC, choose your equation, scroll down to Store RegEQ, VARS, Y-VARS, #1 Function, #1 Y$_1$, Enter

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