

Calculator Directions for TI-30x IIs

Clearing Data Values

- To clear all data points without exiting STAT mode
 - Press **2nd Data** then press \Rightarrow until **CLRDATA** is shown
 - Press = to clear all data values
- To clear all data points and exit STAT mode
 - Press **2nd STATVAR** then select **Y** to exit
 - Selecting **N** in this mode will keep you in STAT mode

One variable statistics

- Press **2nd Data** select **1-VAR** then press =
- Press **Data**
- Enter value for X_1 then press \Downarrow
 - Enter how many times the data value is in your list (**freq**) then press \Downarrow
- Repeat (2) and (3) until all data values and frequencies are entered then press =
- Press **STATVAR** to display the menu of variables (see Table below)

Two variable statistics

- Press **2nd Data** select **2-VAR** then press =
- Press **Data**
- Enter value for X_1 then press \Downarrow
- Enter value for Y_1 then press \Downarrow
- Repeat (2) and (3) until all data points are entered then press =
- Press **STATVAR** to display the menu of variables (see Table below)

Variables	Definition
n	Number of X or (x,y) data points
\bar{x} or \bar{y}	Mean of all x or y values
Sx or Sy	Sample standard deviation of x or y
σX or σY	Population standard deviation of x or y
ΣX or ΣY	Sum of all x or y values
ΣX^2 or ΣY^2	Sum of all X^2 or Y^2 values
ΣXY	Sum of (X*Y) for all xy pairs
a	Linear regression slope
b	Linear regression y-intercept
r	Correlation Coefficient
X' (2-Var)	Uses a and b to calculate predicted x value when you input a (y) value
Y' (2-Var)	Uses a and b to calculate predicted y value when you input an (x) value