

TI-89

One Variable Statistics and Correlation

Entering Data

- Press APPS > 6 (Data/Matrix Editor) > 3 (New)
- Check these settings (use cursor keys to access other choices if changes are required):
 - Type: Data
 - Folder: Main (or other folder you would like to use to store data)
- Use cursor keys to move down to the Variable field.
 - Type a unique name for your list. Use alpha to access letters for the name.
 - Press Enter.
- To clear any previously stored data
 - Use cursor keys to move to a cell in the column that you want to clear.
 - Press (2nd) F6 > 5 (Clear Column)
- Enter values by keying the number and pressing enter.
- If you have x-y pairs of data, enter all x-values in one column (C1) and all y-values in a separate column (C2).

One Variable Statistics

- In the spreadsheet view, press F5 (Calc)
- Use cursor keys to change Calculation Type to One Var
- Move cursor down to x field. Press C alpha 1 (this will enter C1 as the location of the x-values)
- Press Enter Enter to calculate the statistics.

Notes:

- S_x is the sample standard deviation.
- The quartiles calculated by the TI calculators differ from those found using the procedure in the text for this class. The quartiles will differ in any data set having an odd number of values.

Correlation

- In the spreadsheet view, press F5 (Calc)
- Use cursor keys to change Calculation Type to LinReg.
- Move cursor down to x field. Press alpha C 1 (this will enter C1 as the location of the x-values).
- Move cursor down to the y field. Press alpha C 2 (this will enter C2 as the location of the y-values).
- Press Enter to calculate the correlation coefficient (r)—listed here as “corr.”

Factorials

- On the home screen, enter the number of which you would like to find the factorial.
- Press (2nd) Math > 7 (Probability) > 1 (!)
- Press Enter to calculate.

Combinations/Permutations

- From the home screen, press (2nd) Math > 7 (Probability) > 3 (nCr) for combination or press (2nd) Math > 7 (Probability) > 2 (nPr) for permutation.
- Enter the number “trials” (n) on the home screen.
- Press the comma key, then enter the number of “successes” (r) and press the) key.
- Press Enter to calculate.