Univariate Confidence Intervals TI-84 Instructions

Directions for single variable data input and analysis using the TI-84: Confidence Interval for $\mu$

In order for statistical operations to be successful you need to be familiar with the keys on your calculator. Specifically, you'll need to know the locations of the STAT key as well as the arrow keys.

**Option 1: From raw data**

1) Turn your calculator on
2) Hit STAT. The menu bar at the top should have the EDIT choice selected and choice 1 of the EDIT menu should also be selected. If this is not the case you can use your arrow keys to move from selection to selection.
3) Hit 4 to select the “ClrList” option
4) Hit 2ND, 1, ENTER. This clears the contents of the first list (L1). We’ll use this location to store the data. The word “Done” should appear on the right side of the screen.
5) Hit STAT [1]. A black bar should be located in the column headed “L1”.
6) Input your data points and hit ENTER after each point has been entered. Note that if you make an entry error you, simply, need to move the cursor back to that entry and re-enter the correct value. Do not clear the entire list and start again!
7) When all of your data has been entered hit STAT and then left arrow. This moves you to the “TEST” menu
8) Scroll down to the “TInterval” option and hit ENTER
9) Scroll down to Inpt: and select the “data” option by highlighting it and hit ENTER
10) Scroll down to the “List” item and hit 2ND 1 ENTER. This tells the calculator to use the data values in the first list (L1) as the input. If you've put your data in a different list then be sure to identify that list as the data set of interest
11) Scroll past “Freq” item to the “C-Level” row and enter the level of confidence desired for your analysis.
12) Scroll down to the “Calculate” item and hit ENTER. After some thinking, output will be displayed that has the desired CI along with some select descriptive statistics.

**Option 2: From previously determined descriptive statistics**

1) Turn your calculator on and hit STAT and then left arrow. This moves you to the “TEST” menu
2) Scroll down to the “TInterval” option and hit ENTER
3) Scroll down to Inpt: and select the “Stats” option by highlighting it and hit ENTER
4) Input values for $\bar{x}$, s, n, and the confidence level
5) Scroll down to the “Calculate” item and hit ENTER. After some thinking, output will be displayed that has the desired CI along with some select descriptive statistics.
Univariate Confidence Intervals TI-84 Instructions

Directions for single variable data input and analysis using the TI-84: Confidence Interval for π

In order for statistical operations to be successful you need to be familiar with the keys on your calculator. Specifically, you’ll need to know the locations of the [STAT] key as well as the arrow keys.

1) Turn your calculator on and hit [STAT] and then ← (left arrow). This moves you to the “TEST” menu

2) Scroll down to the “1-PropZInt” option and hit ENTER

3) Input values for x, n and the confidence level. Where x is the number of outcomes of interest (successes) and n is the total number of trials (observations)

5) Scroll down to the “Calculate” item and hit ENTER. After some thinking, output will be displayed that has the desired CI along with some select descriptive statistics.