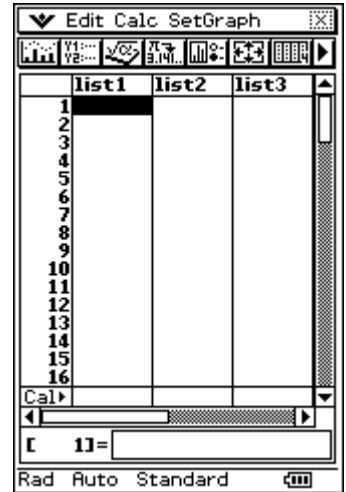


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473	Confidence Interval From Summary Data	Author	Charlie Watson
		Date	31 January 2010
		CPM OS	03.04.4000

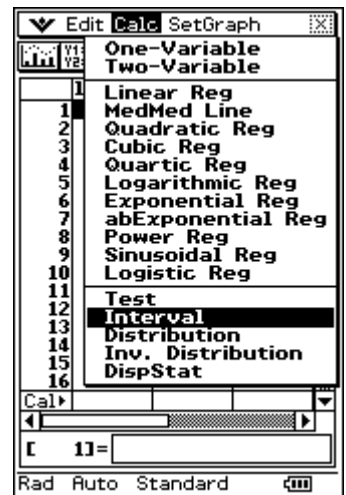
Start in Statistics.

A sample of 68 items with mean of 263 was taken from a population with a known standard deviation of 2.56. Determine the 99% confidence interval for the population mean based on this sample.

Tap **Edit**, **Clear All**.



Tap **Calc**, **Interval**.

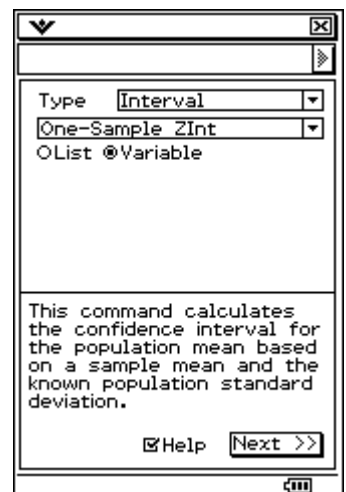


Tap the **Help** box.

Tap on **Variable**.

The CI will be calculated from supplied variables.

Tap **Next**.



Enter the 99% confidence level as a decimal.

Enter the known population standard deviation of 2.56.

Enter the same mean of 263.


Enter the sample size of 68.

Tap **Next**.

A screenshot of a statistical calculator interface. At the top, there is a dropdown menu with a downward arrow and a close button (X). Below it is a scrollable area containing four input fields: "C-Level" with the value "0.99", " σ " with "2.56", " \bar{x} " with "263", and "n" with "68". Below these fields is a label "sample size (positive integer)". At the bottom, there are three buttons: "<< Back", a checked "Help" checkbox, and "Next >>". A small icon is visible in the bottom right corner.

The lower and upper bounds of the confidence interval are displayed, together with the sample mean and size.

A screenshot of the same statistical calculator interface. The "C-Level" field is now empty. The "Lower" field displays "262.20035" and the "Upper" field displays "263.79965". The " \bar{x} " field still shows "263" and the "n" field shows "68". Below these fields is a label "interval lower limit (left edge)". At the bottom, there are two buttons: "<< Back" and a checked "Help" checkbox. The "Next >>" button is no longer visible. A small icon is visible in the bottom right corner.

Tap  to close the Interval tool or back to modify the interval parameters.