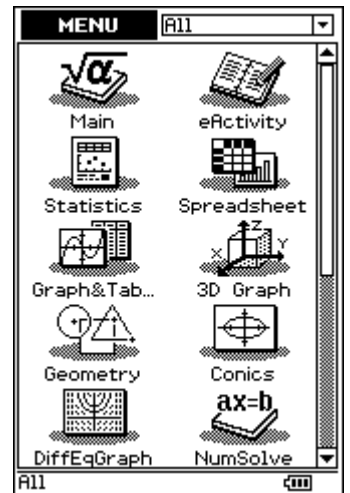


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410	Statistics: Two Variable Calculations	Author	Charlie Watson
		Date	25 September 2008
		CPM OS	03.03.3000

To find the summary statistics such as the mean, standard deviation and so on for the data below, open the Statistics application.

Tap Edit, Clear All.

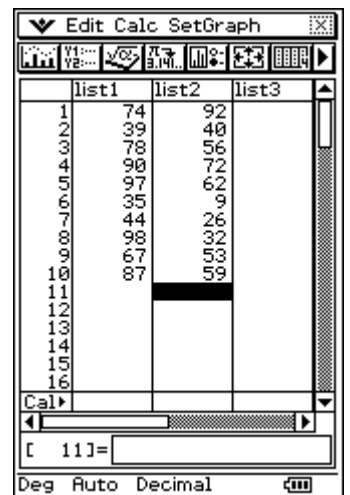


The data below shows the number of births and deaths for ten similar sized suburbs in a city during a one year period.

$$\begin{bmatrix} 74 & 39 & 78 & 90 & 97 & 35 & 44 & 98 & 67 & 87 \\ 92 & 40 & 56 & 72 & 62 & 9 & 26 & 32 & 53 & 59 \end{bmatrix}$$

Enter the number of births into **list1** by typing each number and tapping EXE.

Enter the number of deaths into **list2**.



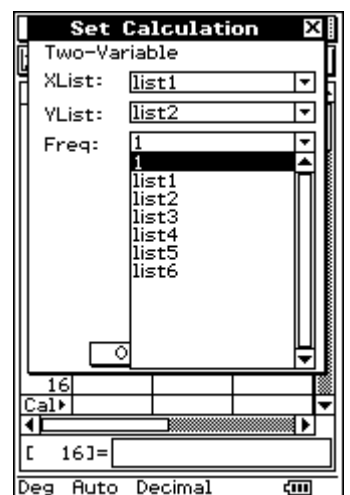
Tap Calc, Two-Variable.

Use the dropdown menu's to set

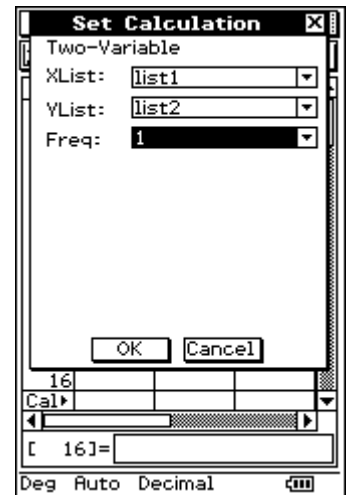
XList: list1

YList: list2

Freq: 1



Tap OK.

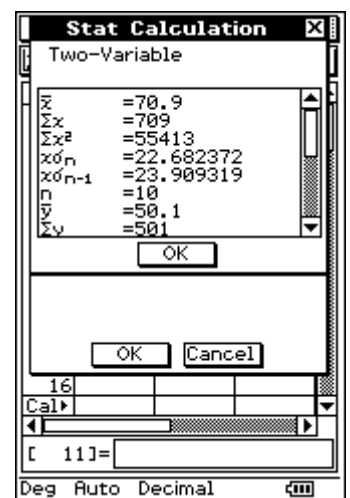


The Two-Variable statistics window is displayed.

The mean number of births is 70.9.

There are 10 data points.

The mean number of deaths is 50.1.



Use the scrollbar to move down the list.

The standard deviation of the number of deaths is 22.8.

The largest number of deaths is 92.

Tap OK to finish.

