
USING THE TI PROGRAMMABLE CALCULATOR FOR STATISTICS

The MPI programme expects you to be able to calculate and understand a number of statistical parameters and tests. The calculator can take some of the hard work out of this process but you still need to understand why you have selected to use a particular test and what it means.

Use the **STAT** key

Press **STAT**

This gives you a menu

1:Edit

2:Sort(A

3:Sort(D

4:ClrList

5:SetUpEditor

You will already be in the **EDIT** menu. Press **1**

This opens a spread sheet

You can see if there is anything stored in the columns of the spread sheet. Check this and if there are data you need to clear it;

- **To clear the spread sheet**

Press **STAT**

You will be in the **EDIT** menu. Press **4**

You will get "**ClrList**"

Press **2nd** then **L1**

ENTER

You have now cleared column L1

Repeat the process (**STAT, 4, 2nd, L2, ENTER** etc....) to clear the other columns

- **To enter data**

Press **STAT**

You will be in the **EDIT** menu.

Select **1**

This opens a spread sheet

type in the first number, then **ENTER**


second number then **ENTER**

etc

If you are comparing two sets of data do the same thing in column **L2**

- To find out mean, median, standard deviation and more besides!

Press **STAT**

Use the cursor to move across to the **CALC** menu 

You will find a menu which permits you to calculate a large number of statistical parameters
Most of what we want is in **1:1-Var Stats**. The first on the list.

Press **ENTER**

1-Var Stats appears

Press **2nd** then **L1** and **ENTER**

You will get:

— the mean
 \bar{x}

S_x (the standard deviation of the sample)

σ_x (the standard deviation of a population)

n (the number in the sample)

Scroll down for more! 

Med (the median)

You can do other things with the calculator!

Using the calculator as a counter

If you want to count an event without taking your eyes away from it, it is convenient to have a counter.

Press **0**

ENTER

2nd (the yellow key)

ANS + **1**

ENTER

ENTER

ENTER

.....etc