Mean, Median, and Mode

Using the TI-84 Plus CE Calculator



How many pets do you have?

3,2,0,1,0,2,0,4,1,2

You will need to enter these data values into the TI-84 Plus CE calculator as a list named L_1 by following the procedures below.

TI-84 Plus CE	
1. Click on STAT and Edit then Enter	
This will get you to the list called $L_{f 1}$	

2. Enter your data set.



TI-84 Plus CE

- 1. Click on STAT and Edit
- 2. Click STAT move the cursor to CALC.
- 3. Click on 1-Var-Stats
- 4. Make sure List is on L_1 then Calculate





The mean and median are indicated in the TI-84 Plus CE calculator

 $\bar{x} = 1.5$

median = 1.5

To get the **mode**, you will need to follow the instructions below.

TI-84 Plus CE 1. Click on **STAT** and **SortA(** then **Enter** This will need to enter L_1 2. Press **2nd** and then the **1 key** and **)** press enter.



TEXAS INSTRUMENTS TI-84 Plus CE NORMAL FLOAT AUTO REAL DEGREE MP	TEXAS INSTRUMENTS TI-84 Plus CE NORMAL FLOAT AUTO REAL DEGREE MP
SortA(L1)	SortA(L1) ■
statplot f1tblsetf2formatf3calcf4tablef5y=windowzoomtracegraph	statplotf1tblsetf2formatf3calcf4tablef5y=windowzoomtracegraph
quitins2ndmodedelA-locklinklistalphaX,T,θ,nstattestAangleBdrawCdistrmathappsprgmvars	quit ins 2nd mode del A-lock link list alpha X,T,0,n stat test A angle B draw C math apps prgm vars clear

What you have done is sorted your data from smallest to largest. You will now want to view the data list called L_1 to visually determine the mode.

NORMAL	FLOAT A	UTO REAL	. DEGREE	MP	Ē
L1	L2	Lз	L4	L5	1
0					
0					
0					
1					
1					
2					
2					
2					
3					
4					

Visually, we can identify the mode by observing the data value(s) with the highest frequency.

Mode = 0 and 2