

&lt;Name of problem&gt;

## Exercise 2

To find mean and median using a frequency list

Add a Lists and Spreadsheets Page

Give both column A and B titles

Enter your data in both columns

	A speed	B number	C
1	29	1	
2	33	2	

Go to cell B1

Press menu then choose

Statistics

Stat Calculations

One-Variable Statistics

When this window pops up, click OK

One-Variable Statistics

Num of Lists: 1

OK Cancel

Click on the triangle at the end of the X1 List box (you may have to click twice). Choose your data title.

Click on the triangle at the end of the Frequency List box and choose your frequency list title. Make sure 1st Result Column is an empty column (in this case c[ ])

One-Variable Statistics

X1 List: b[]

Frequency List: 1

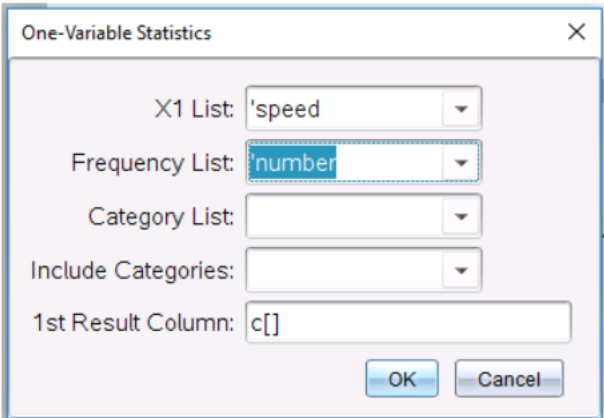
Category List:

Include Categories:

1st Result Column: c[]

OK Cancel

Click OK



One-Variable Statistics

X1 List: 'speed'

Frequency List: 'number'

Category List:

Include Categories:

1st Result Column: c[]

OK Cancel

The mean of the data is the  $\bar{x}$  with the bar over it (called "x bar")

	per	C	D
=			=OneVar('
1	1	Title	One-Va...
2	2	$\bar{x}$	36.1
3	4	$\Sigma x$	722.
4	5	$\Sigma x^2$	26502.
5	3	$s_x := s_{n-...}$	4.80022
6	2	$\sigma_x := \sigma_{n...}$	4.67868
7	2	n	20.
8	1	MinX	29.
9		$Q_1X$	34.
10		MedianX...	35.
D2 = 36.1			

## Homework #6

To create a dotplot with a frequency list

Add a lists and spreadsheets page

Give columns A and B titles

Enter your data in the appropriate columns

	A accide...	B number	C
=			
1	0	6	
2	1	8	

Command line: B1 6

To create a dot plot, you must create a list of all the data listed singly.

Go to the command line of column C

	.. B number	C	D
=			
1	0	6	
2	1	8	

Command line: C

press =

Press the catalog button



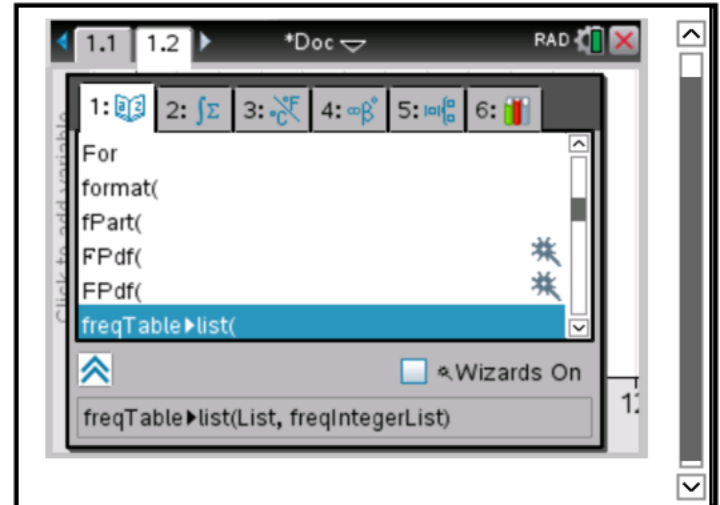
(the open book on the right side)

Make sure you are in tab 1 (press 1 if you are not)

Scroll down until you find



Press enter



..	B	number	C	D
=			table►list()	
1	0	6		
2	1	8		
C =freqTable►list()				

Press the var button and choose your title for column A.

Press the comma button

Press var again and choose your title for column B

Press enter

Your data is now in a single list

Give column C a title

e...	B	number	C	datalist
=			=freqtable	
1	0	6	0	
2	1	8	0	
C1 =0				

Add a lists and spreadsheets page  
Click on the bottom of the page  
Select the title you gave column C

