

Summary of Data Solutions

Mean, Median, and Mode

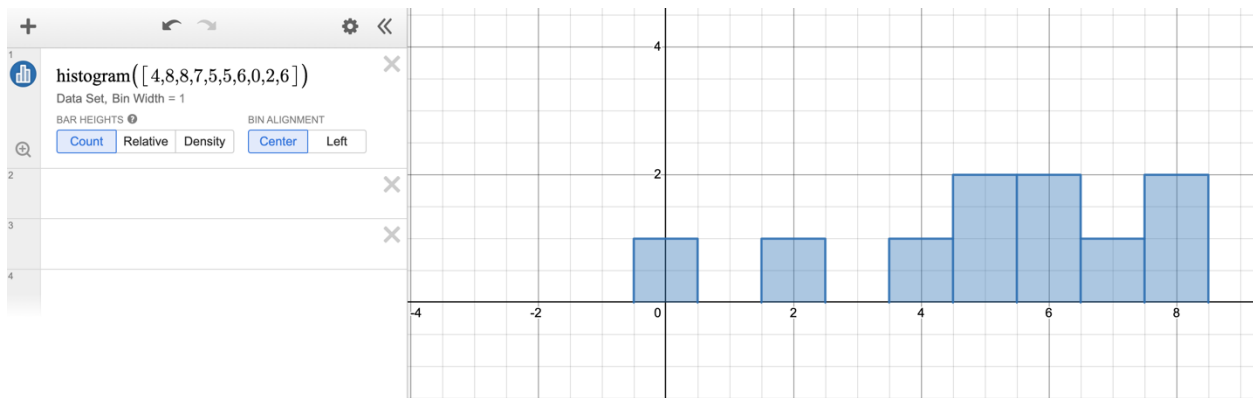
[Desmos](#) and TI-84 Plus CE

Draw a Histogram (**Desmos**) and determine the mean, median, and mode (**TI-84 Plus CE calculator**) for the following sets of data.

1. How many hours of sleep did you get last night?
Approximate the mean to the nearest tenths.

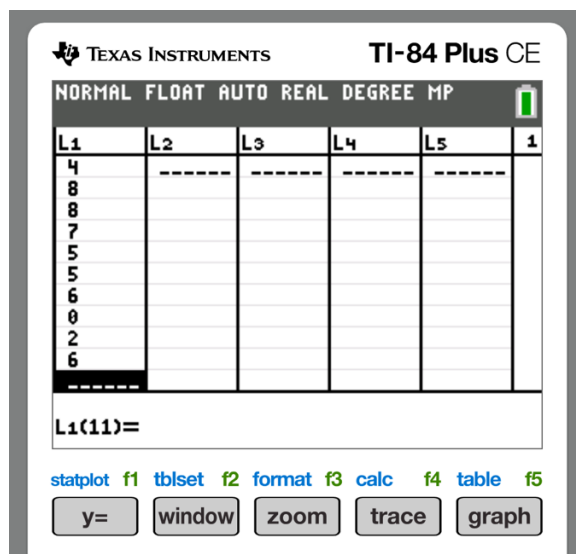
4,8,8,7,5,5,6,0,2,6

[Desmos](#)

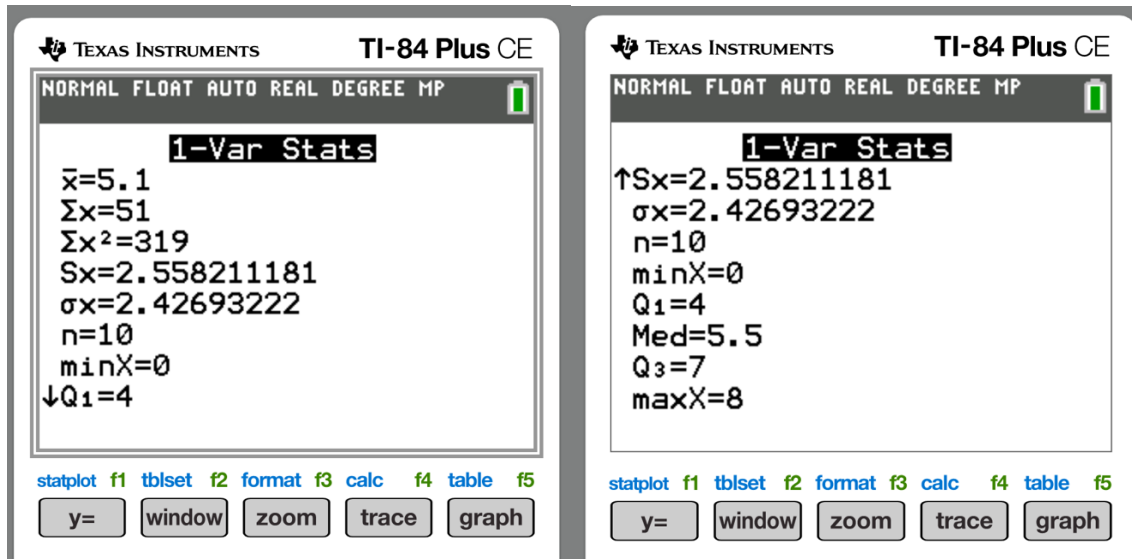


Entering a list of Data

Stat>EDIT>Edit



Computing single variable computation
(mean, median)
Stat>EDIT>1-Var Stats



Sorting Data
Stat>EDIT>SortA(

L1	L2	L3	L4	L5	1
0					
2					
4					
5					
5					
6					
6					
7					
8					
8					

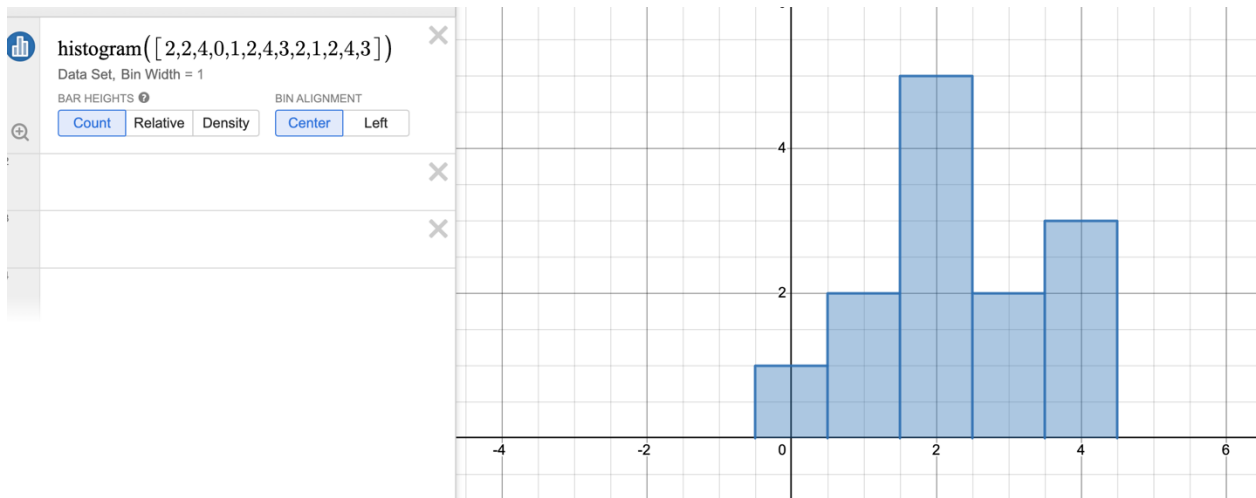
L1(1)=0

Mean = 5.1
Median = 5.5
Mode = 5, 6, 8

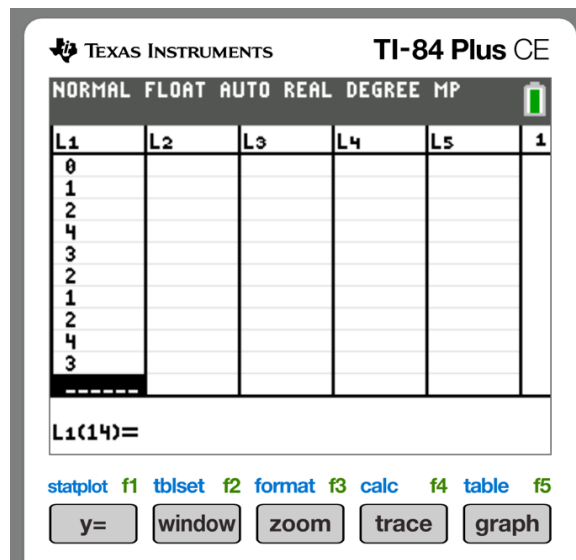
2. How many pets do you have in your household?
Approximate the mean to the nearest tenths.

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

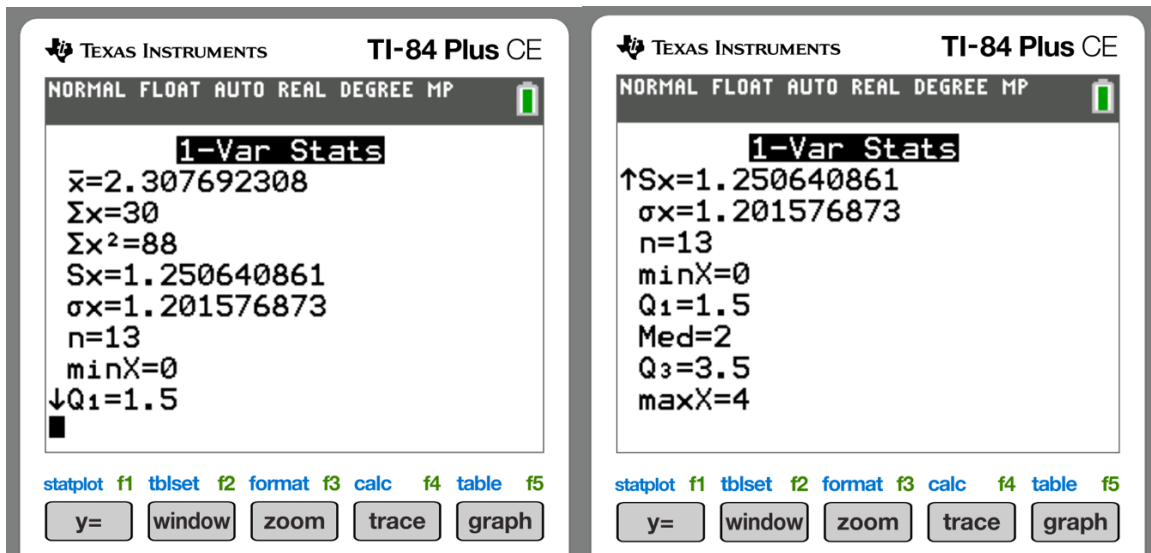
[Desmos](#)



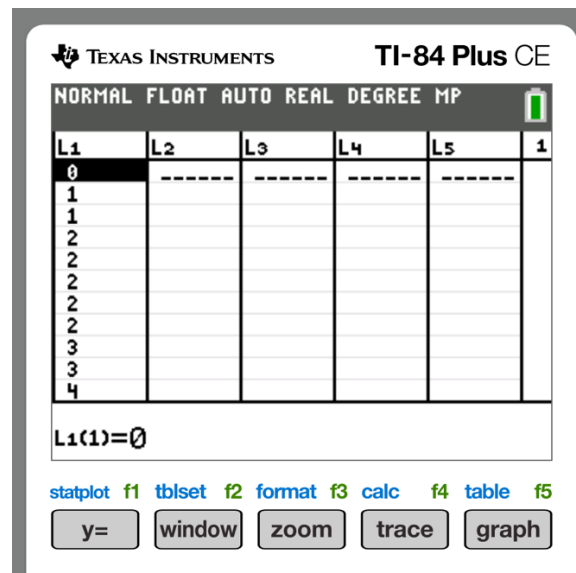
Entering a list of Data
Stat>EDIT>Edit



Computing single variable computation
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Sorting Data
Stat>EDIT>SortA(

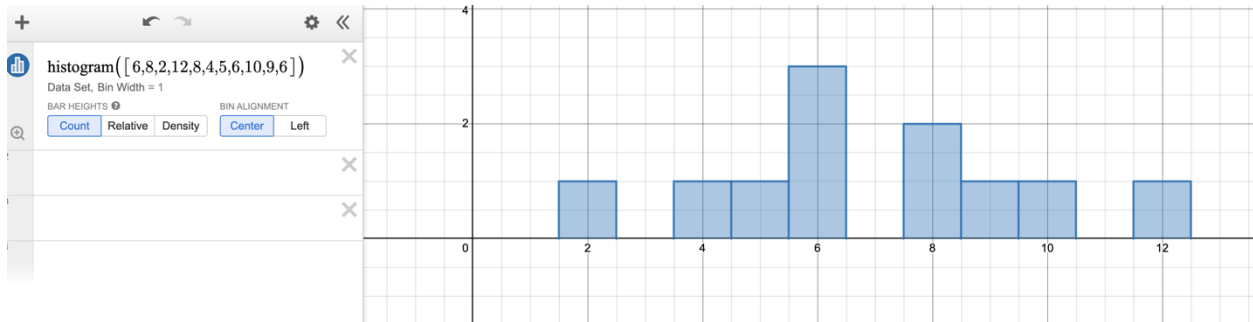


Mean ≈ 2.3
 Median = 2
 Mode = 2

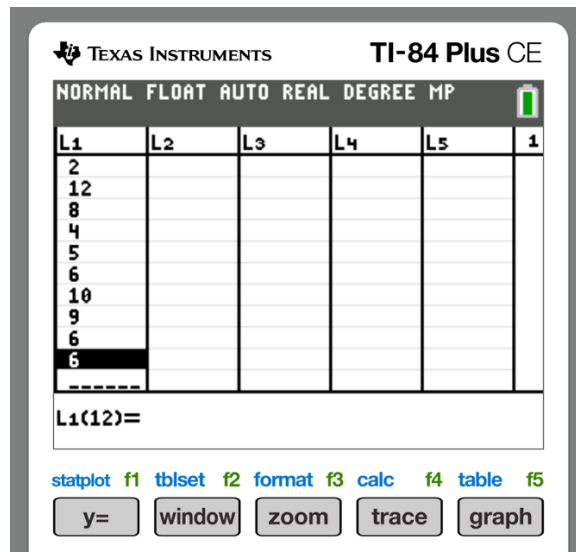
3. How many miles away from campus do you live?
Approximate the mean to the nearest tenths.

6,8, 2,12,8,4,5,6,10,9,6

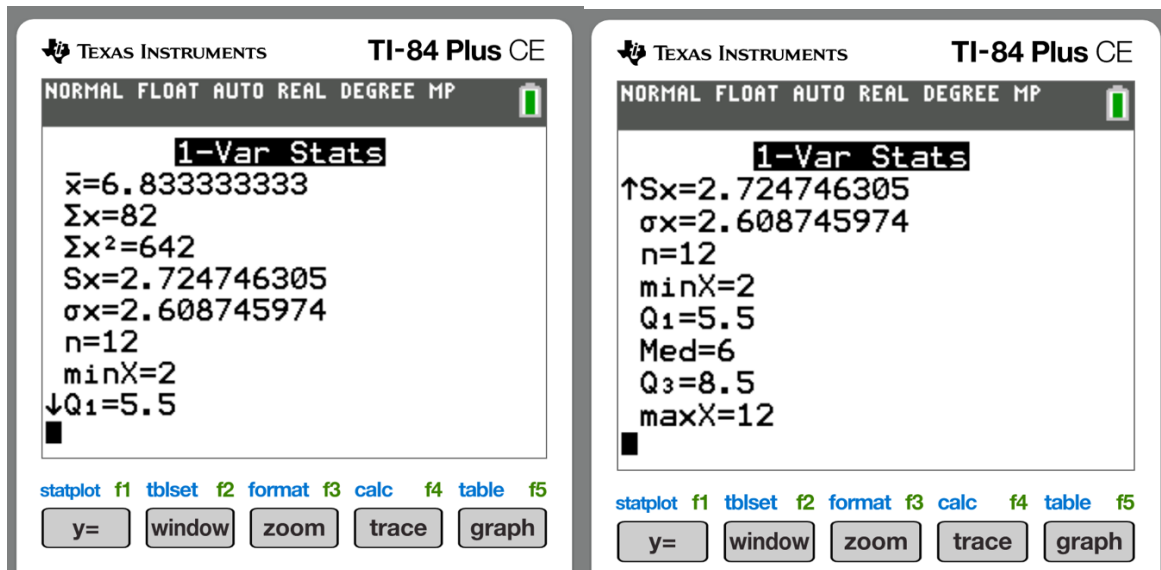
[Desmos](#)



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Stat>EDIT>Edit



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Stat>EDIT>SortA(

TI-84 Plus CE

NORMAL FLOAT AUTO REAL DEGREE MP

L1	L2	L3	L4	L5	1
2	-----	-----	-----	-----	
4					
5					
6					
6					
6					
8					
8					
9					
10					

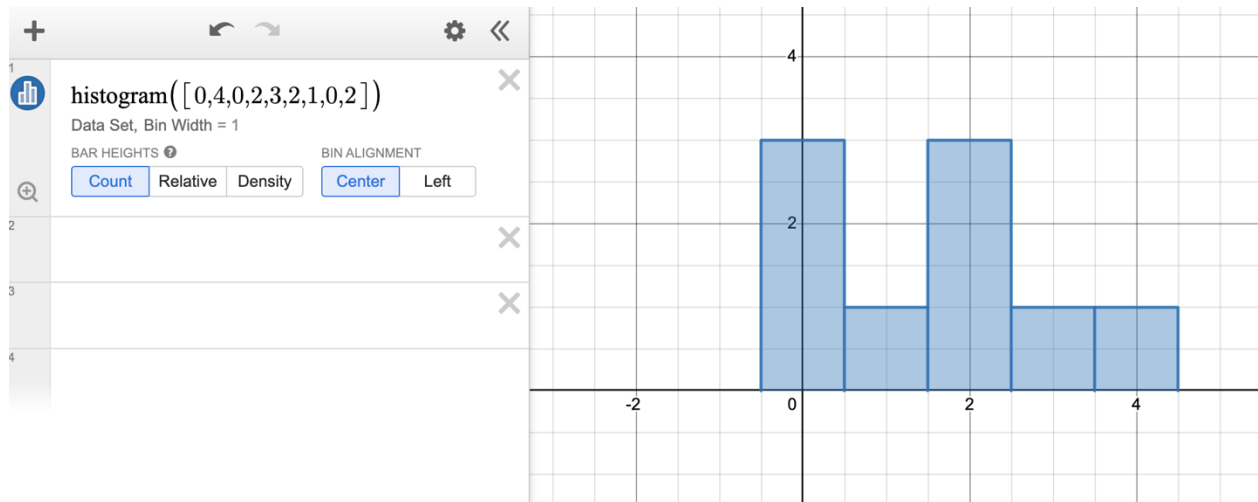
L1(1)=2

Mean \approx 6.8
Median = 6
Mode = 6

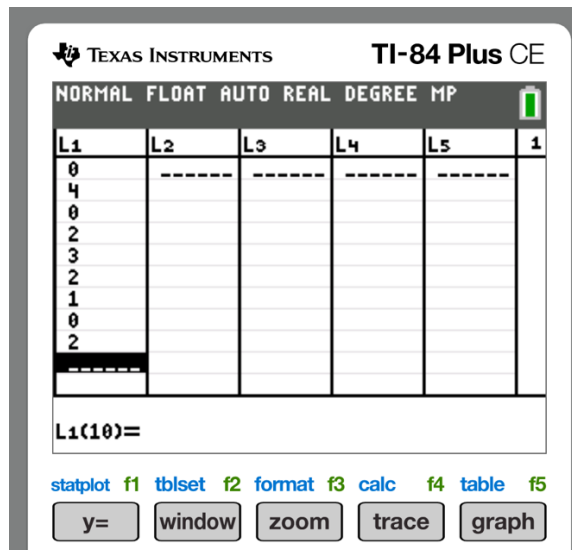
4. How many absences from class do you take in a semester?
Approximate the mean to the nearest tenths.

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

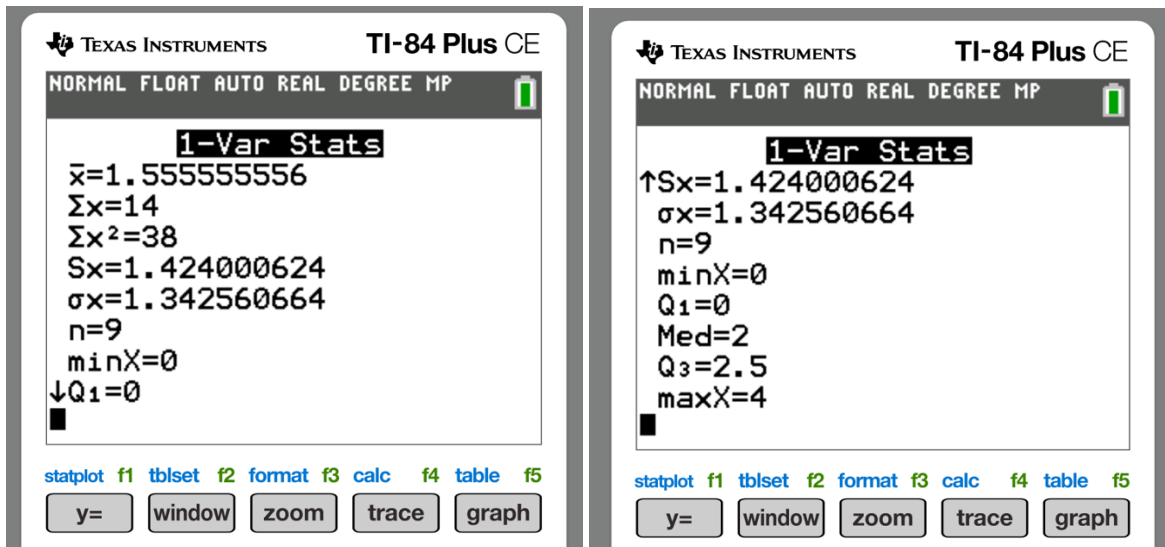
[Desmos](#)



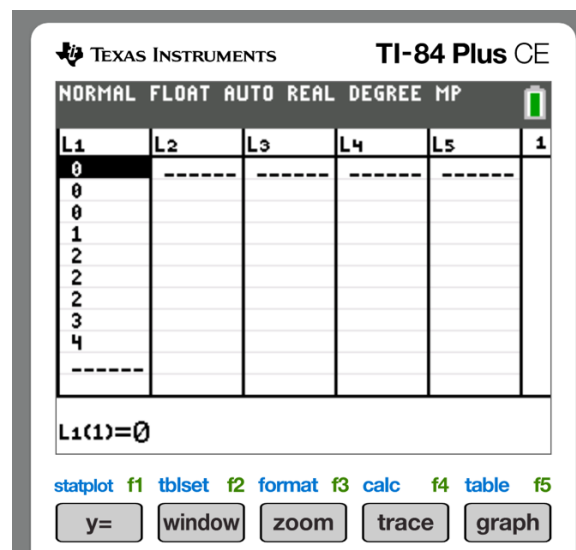
Entering a list of Data
 Stat>EDIT>Edit



Computing single variable computation
(mean, median)
Stat>EDIT>1-Var Stats



Sorting Data
Stat>EDIT>SortA(

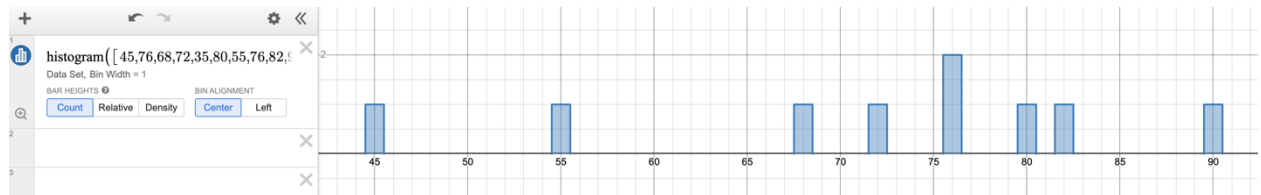


Mean ≈ 1.6
Median = 2
Mode = 0, 2

5. What is the lifespan (year) of Los Angeles Residents?
Approximate the mean to the nearest tenths.

45,76,68,72,35,80,55,76,82,90

[Desmos](#)



Entering a list of Data
Stat>EDIT>Edit

TEXAS INSTRUMENTS TI-84 Plus CE

NORMAL FLOAT AUTO REAL DEGREE MP

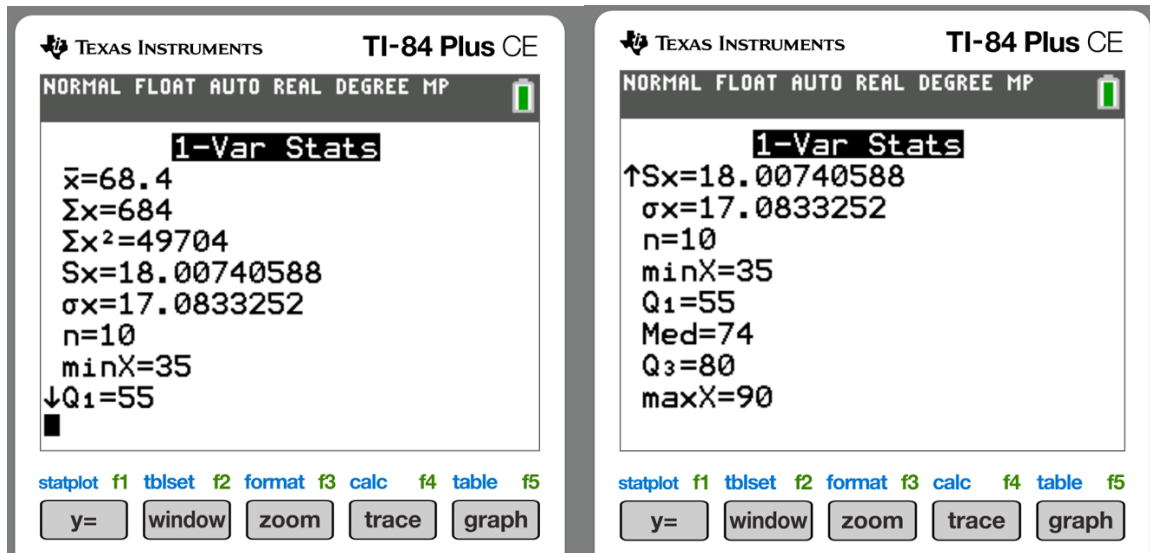
L1	L2	L3	L4	L5	1
45	---	---	---	---	
76					
68					
72					
35					
80					
55					
76					
87					
90					

L1(11)=

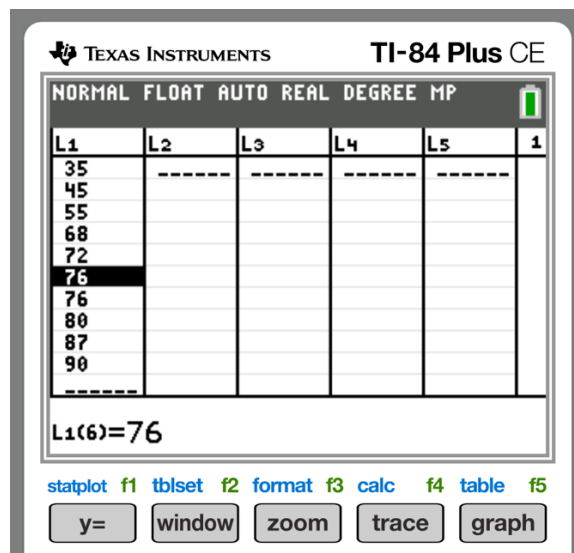
statplot f1 tblset f2 format f3 calc f4 table f5

y= window zoom trace graph

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Sorting Data
Stat>EDIT>SortA(

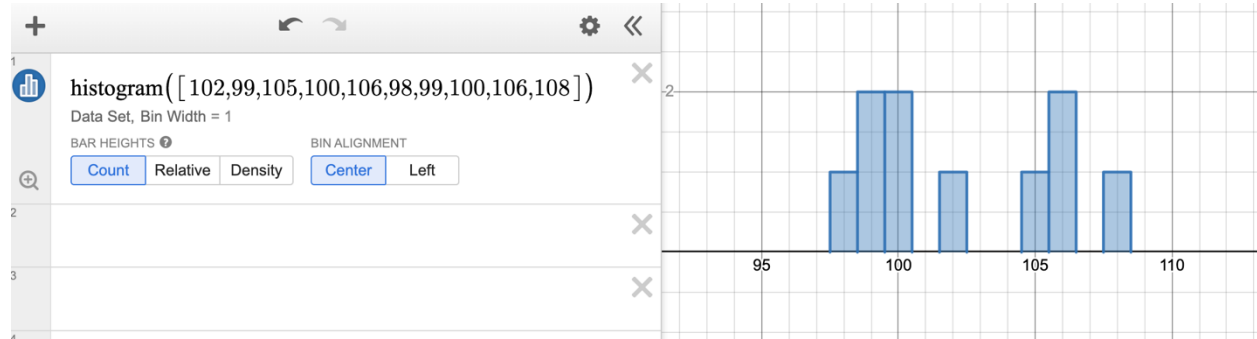


Mean = 68.4
Median = 74
Mode = 76

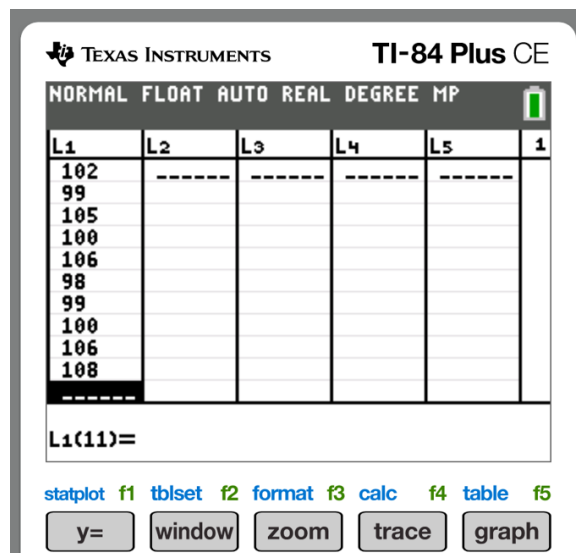
6. What is the daily temperature in Palm Springs in Summer?
Approximate the mean to the nearest tenths.

102, 99, 105, 100, 106, 98, 99, 100, 106, 108

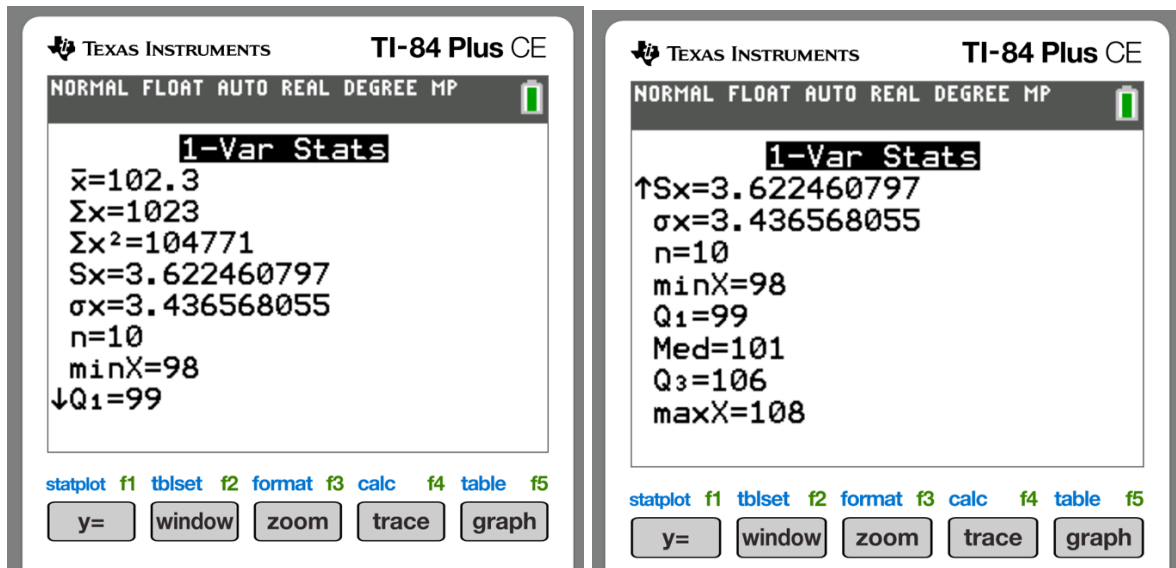
[Desmos](#)



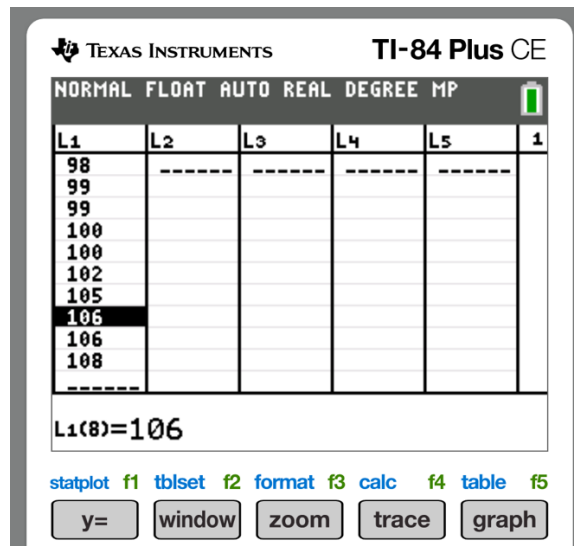
Entering a list of Data
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Stat>EDIT>1-Var Stats



Sorting Data
Stat>EDIT>SortA(

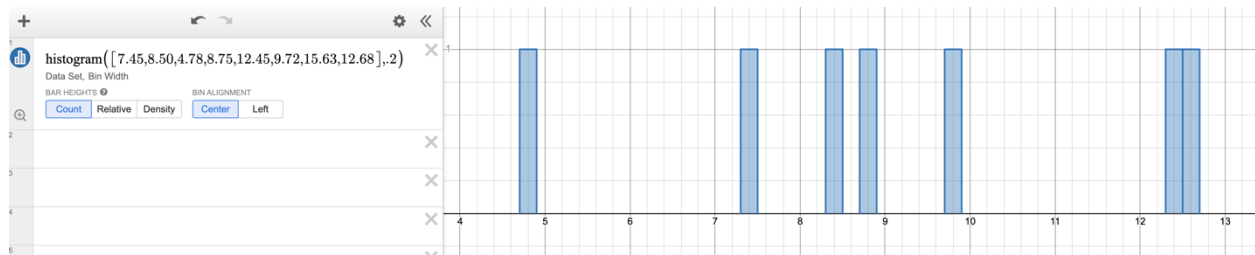


Mean = 102.3
Median = 101
Mode = 106

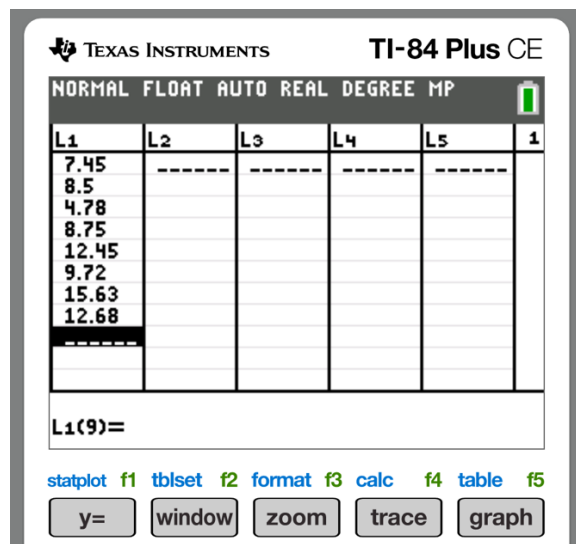
7. How much money do you spend on lunch?
Approximate the mean to the nearest hundredths.

7.45, 8.50, 4.78, 8.75, 12.45, 9.72, 15.63, 12.68

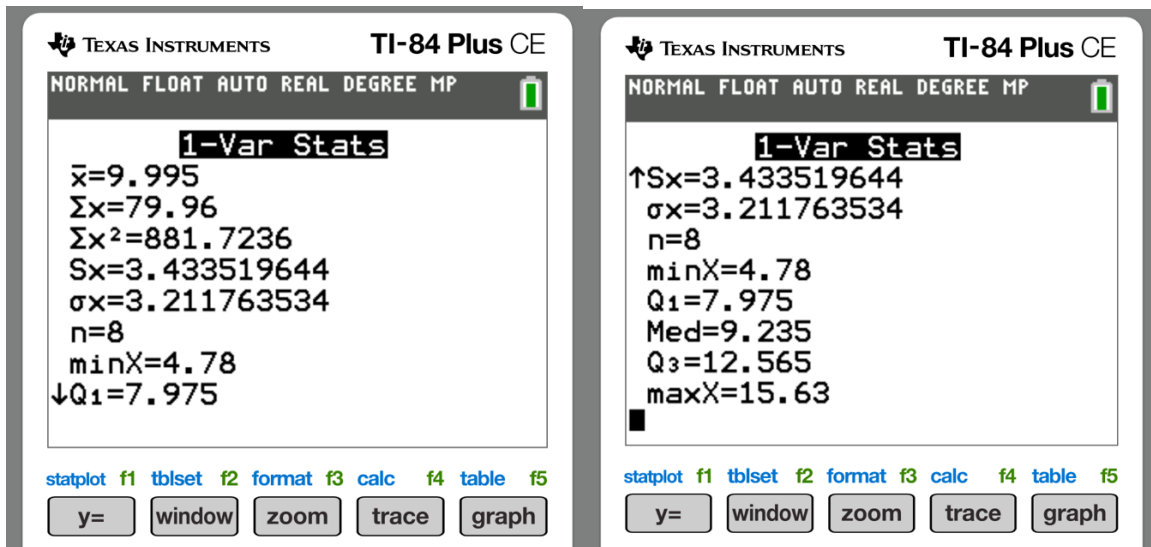
[Desmos](#)



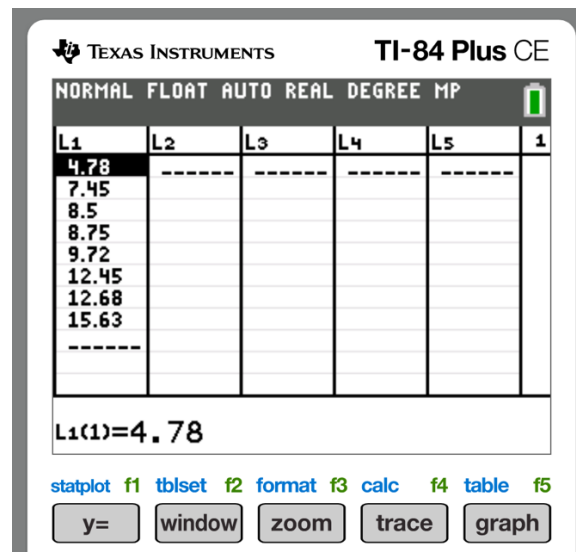
Entering a list of Data
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Sorting Data
Stat>EDIT>SortA(



Mean ≈ 10.0
 Median = 9.2
 No Mode