

STA 1013 : Statistics through Examples

Lecture 10: Calculator (1-Var Stats)

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1-Var Stats

1-Var Stats

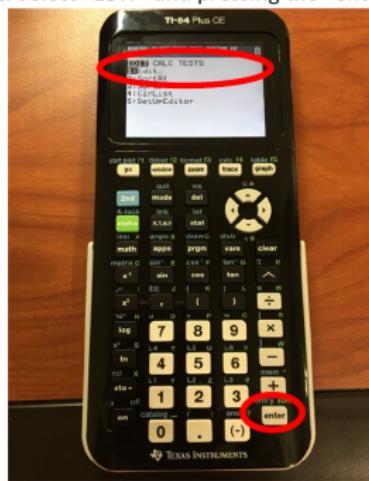
- Mean
- Median
- Sample Variance
- Min, Max
- Q_1, Q_3

1-Var Stats

1. Press “STAT”.

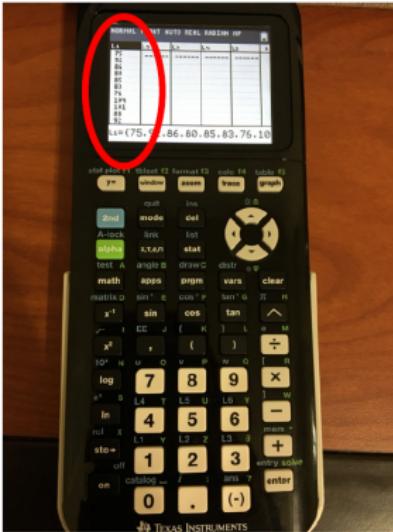


2. Select “EDIT” and pressing the “enter” key.

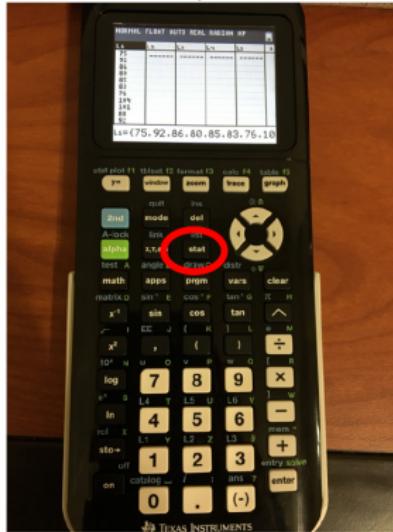


1-Var Stats

3. Enter the data values.

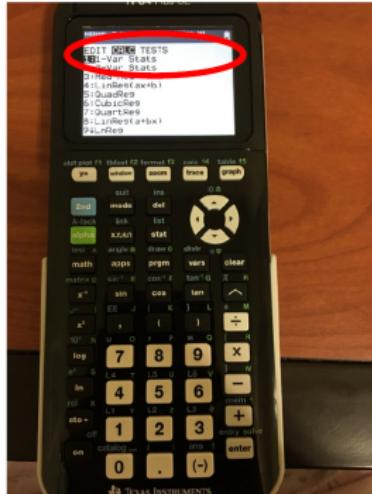


4. Press "STAT" key.

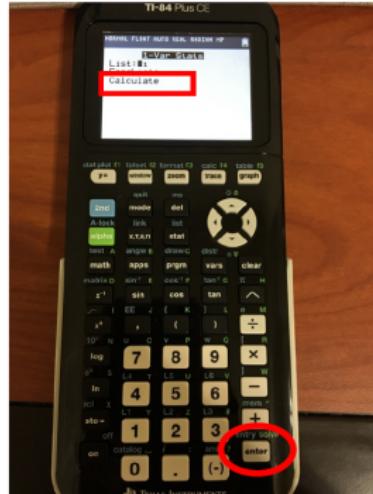


1-Var Stats

5. Select “CALC”, then select “1-Var Stat”

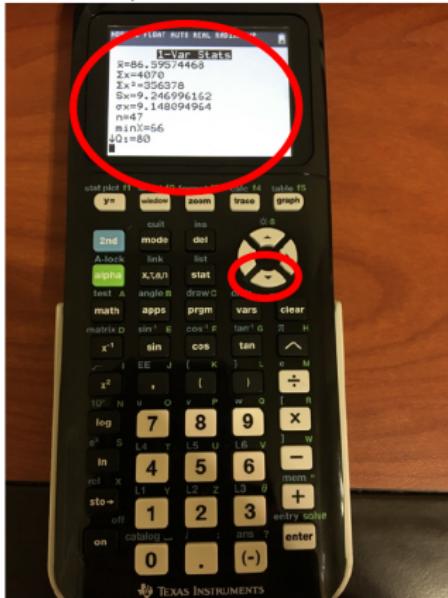


6. Press the “Enter” key three times to select “Calculate”.



1-Var Stats

7. Summary Statistics. Use the down-arrow key to view the Q2, Q3 and Max.



Example

Enter the data in your calculator and generate one-variable summary statistics

195.6	200.4	165.6	165.3	191.7	169.3	153.2
189.5	170.4	149.3	185.3	150.3	179.6	160.3
198.5	163.2	166.3	197.3	201.3	168.2	198.4

Exercise : Grandparent's age

The data below were grandparents' ages (in years) of the students in STA 1013 class

65	82	76	73	66	82	70	80	56	87	66	71
78	79	61	73	83	78	76	91	72	82	81	68
70	67	84	78	93	78	87	76	108	71	69	77

Enter the data in your calculator and generate one-variable summary statistics

Exercise : Grandparent's age

1. Mean :
2. Median :
3. Min :
4. Max :
5. Range :
6. Q_1 :
7. Q_3 :
8. IQR :
9. Standard Deviation :
10. Variance :

Exercise : Grandparent's age

Draw the box plot and label points with the numbers

