

# Data Description

## Using 1-VAR STAT

To enter data into the calculator:

- Press **STAT**
- Select **1:Edit** **ENTER**

```

CALC TESTS
1:Edit...
2:SortA(
3:SortD(
4:ClrList
5:SetUPEditor
    
```

- Enter data into lists.  
L1 data values  
L2 tally
- Type number, press **ENTER**  
continue to enter data

L1	L2	L3	1
█	---	---	
L1()=			

L1	L2	L3	2
9	347		
10	438		
11	528		
12	626		
13	724		
14	822		
15	1178		
L3()=			

Find one variable statistics:

- Press **STAT** then **▶** to **CALC**.
- Select **1:1-VAR Stats**, press **ENTER**

```

EDIT TESTS
1:1-Var Stats
2:2-Var Stats
3:Med-Med
4:LinReg(ax+b)
5:QuadReg
6:CubicReg
7:QuartReg
    
```

- Press **2ND** **1** (L1) **,** **2ND** **2** (L2) **ENTER**

```

1-Var Stats L1,L
2
    
```

### Summary of Descriptive Statistics

```

1-Var Stats
x̄=12.77394323
Σx=62554
Σx²=816794
Sx=1.903125394
σx=1.902931069
n=4897
    
```

- $\bar{X}$  = mean
- $\sum X$  = sum of data
- $\sum X^2$  = sum of each data point squared
- $S_X$  = sample standard deviation
- $\sigma_X$  = population standard deviation
- $n$  = number of data points

```

1-Var Stats
n=4897
minX=9
Q1=11
Med=13
Q3=14
maxX=15
    
```

- $n$  = number of data points
- minX = smallest data point
- $Q_1$  = quartile 1
- Med = median ( $Q_2$ )
- $Q_2$  = quartile 3
- maxX = largest data point