

Mathematics for Modern Technology

TI-30X IIS Handout

Enter Statistics Mode

- To put the calculator into 1-variable statistics mode the following sequence should be entered into the calculator.

- $\boxed{2\text{nd}}$ $\overset{\text{STAT}}{\boxed{\text{DATA}}}$ $\boxed{1\text{-VAR}}$ $\boxed{\overset{\text{ENTER}}{=}}$

Data Input

Data Value	Frequency
0	4
1	7
2	19
3	16
4	8
5	2

To put the above data into the calculator, do the following steps.

- $\boxed{\text{DATA}}$
- $X_1 = 0$ $\boxed{\Downarrow}$ $FRQ = 4$ $\boxed{\Downarrow}$
- $X_1 = 1$ $\boxed{\Downarrow}$ $FRQ = 7$ $\boxed{\Downarrow}$
- $X_1 = 2$ $\boxed{\Downarrow}$ $FRQ = 19$ $\boxed{\Downarrow}$
- $X_1 = 3$ $\boxed{\Downarrow}$ $FRQ = 16$ $\boxed{\Downarrow}$
- $X_1 = 4$ $\boxed{\Downarrow}$ $FRQ = 8$ $\boxed{\Downarrow}$
- $X_1 = 5$ $\boxed{\Downarrow}$ $FRQ = 2$

Compute Statistics

If the above data is for an entire population, do the following steps.

- $\boxed{\text{STATVAR}}$
- $\boxed{\Rightarrow}$ $\mu = 2.410714268$
- $\boxed{\Rightarrow}$ $\boxed{\Rightarrow}$ $\sigma = 1.191889043$

If the above data is a sample, do the following steps.

- $\boxed{\text{STATVAR}}$
- $\boxed{\Rightarrow} \bar{x} = 2.410714268$
- $\boxed{\Rightarrow} s = 1.202675589$

Clear Out Data

- $\boxed{2\text{nd}} \boxed{\overset{\text{STAT}}{\text{DATA}}} \boxed{\Rightarrow} \boxed{\Rightarrow} \boxed{\text{CLRDATA}} \boxed{\overset{\text{ENTER}}{=}}$

Exit Statistics Mode

- $\boxed{2\text{nd}} \boxed{\overset{\text{EXIT STAT}}{\text{STATVAR}}} \boxed{\underline{Y}} \boxed{\overset{\text{ENTER}}{=}}$