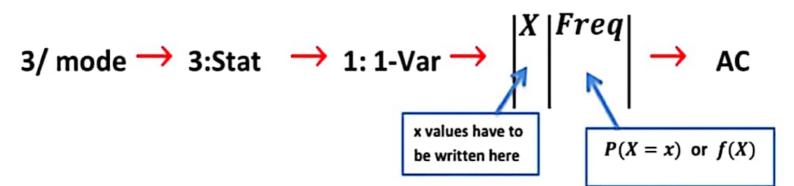# How to use the calculator to find the mean and variance for the discrete random variable

1/ Shift $\rightarrow$ 9 $\rightarrow$ 1 $\rightarrow$ = $\rightarrow$ AC

2/ Shift $\rightarrow$ mode $\rightarrow$ ⟳ $\rightarrow$ 4:Stat $\rightarrow$ 1:ON

Click to the down

3/ mode $\rightarrow$ 3:Stat $\rightarrow$ 1: 1-Var $\rightarrow$ $\begin{vmatrix} X & Freq \end{vmatrix}$ $\rightarrow$ AC

x values have to be written here

$P(X = x)$ or $f(X)$

To find the mean

4/ Shift $\rightarrow$ 1 $\rightarrow$ 4:Var or 5:Var $\rightarrow$ 2: $\overline{X}$ $\rightarrow$ =

To find the Standard deviation (SD)

5/ Shift $\rightarrow$ 1 $\rightarrow$ 4:Var or 5:Var $\rightarrow$ 3: σ_X $\rightarrow$ =

SD for the population

To find the Variance

$$\sigma^2{}_X = (SD)^2$$