

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

1/ Shift → 9 → 1 → = → AC

2/ Shift → mode →  → 4:Stat → 1:ON

Click to the down

3/ mode → 3:Stat → 1: 1-Var →

X	$Freq$
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 → AC

x values have to be written here

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

To find the mean

4/ Shift → 1 → 4:Var or 5:Var → 2: \bar{X} → =

To find the Standard deviation (SD)

5/ Shift → 1 → 4:Var or 5:Var → 3: σ_X → =

To find the Variance

SD for the population

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