

	X	X-Mean	(X-Mean)^2
	2	-4.000	16.00
	4	-2.000	4.00
	6	0.000	0.00
	8	2.000	4.00
	10	4.000	16.00
SUMS	30	0.000	
MEAN	6.000		
COUNT	5		

	Variation(SS)	
A	SamDesMS	8.000
B	SamDesSTD	2.828
C	Infer~MS	10.000
D	Infer~STD	3.162

Definitional Formula, Descriptive Statistic,
Sample Variance

A

$$S^2 = \frac{\sum(X - \bar{X})^2}{n}$$

Definitional Formula, Descriptive Statistic,
Sample Standard Deviation

B

$$S = \sqrt{\frac{\sum(X - \bar{X})^2}{n}}$$

C

$$s^2 = \frac{\sum(X - \bar{X})^2}{n-1}$$

$$s = \sqrt{\frac{\sum(X - \bar{X})^2}{n-1}}$$

D

Definitional formula, Inferential Statistic,
estimate of Population Variance from
Sample Data.

Definitional formula, Inferential Statistic,
estimate of Population Standard Deviation
from Sample Data.