KAYLA GLOVER

1/22/24

PAWAR

BTEC-560 Assignment 1

Standard deviation and variance are both measures of the spread or dispersion of a set of data points. Variance is the average of the squared deviation from the mean, while standard deviation is the square root of this number. Both measure’s reflect variability in a distribution, but their units differ. Standard deviation is expressed in the same units as the original values. Variance is expressed in much larger units standard deviation is the square root of variance.

**Sample Variance:**

is sample variance, is the value of the one observation, is the mean of all observations, n is the number of observations

**Sample Standard Deviation:**

S is sample standard deviation, is the value of the one observation, is the mean of all observations, n is the number of observations