## 06 - Standard Deviation and the Normal Model



## <u>Across</u>

**4.** In a Normal model, about 68% of the values within 1 standard deviation of the mean, about 95% within 2 standard deviations, and about 99.7% within 3 standard deviations.

6. The process of multiplying each value by a constant that multiplies both the measures of position and measures of spread by that constant.

**9.** center of the Normal model.

**10.** Numerical attribute of a set of data.

**11.** model used for certain unimodal, symmetric distributions.

**12.** The value found by subtracting the mean and dividing by the standard deviation.

## <u>Down</u>

**1.** Display to help assess whether a distribution of data is approximately Normal. **2.** Tells how many standard deviations a value is from the mean.

**3.** The square root of the variance.

**5.** Numerical attribute of a model.

**7.** Type of Normal model with mean 0 and standard deviation 1.

**8.** The sum of the squared deviations from the mean, divided by the count minus one.