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## 06 - Standard Deviation and the Normal Model



## Across

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.
5. The process of multiplying each value by a constant that multiplies both the measures of position and measures of spread by that constant.
6. center of the Normal model.
7. Numerical attribute of a set of data.
8. model used for certain unimodal, symmetric distributions.
9. The value found by subtracting the mean and dividing by the standard deviation.

## Down

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.
4. Numerical attribute of a model.
5. Type of Normal model with mean 0 and standard deviation 1.
6. The sum of the squared deviations from the mean, divided by the count minus one.
