**Standard Deviation**

In math and statistics standard deviation is a measure of variation of a set of values. Given a set of values as input a standard deviation function will return the dispersion of that set of values using the formula:

Where *N* represents the size of the set, represents each value from the set and represents the mean of the set. A low standard deviation indicates that the values are closely clustered around the mean while a high standard deviation indicates the spread of values over a wider range. Standard deviation is generally used when the values are normally distributed resembling a bell curve. It is commonly used to understand

**Glossary:**

Dispersion

Mean

**References:**