#### STDEVA

[Syntax](Syntax.docx):

STDEVA ( argument-list )

Description: Makes an estimate of the standard deviation based on a sample, using the "unbiased" or "n-1" method. [Note: STDEVA assumes that its arguments are a sample of the population. If the data represents the entire population, [STDEVPA](STDEVPA.docx) should be used instead. If logical values and text representations of numbers in a [reference](reference.docx) are to be excluded as part of the calculation, use [STDEV](STDEV.docx) instead. end note]

Mathematical Formula:

Formula

where x is the sample mean AVERAGE(argument-1, argument-2,…, argument-n) and [n](n.docx) is the sample size.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| argument-list | logical, number, name, text, array, reference. The argument list can also be an array of numbers. | The arguments in argument-list designate the numbers that are samples of the population. Arguments that contain [TRUE](TRUE.docx) evaluate as 1; arguments that contain text or [FALSE](FALSE.docx) evaluate as zero. If an argument is an array or [reference](reference.docx), only values in that array or [reference](reference.docx) are used. Empty cells and text values in the array or [reference](reference.docx) are ignored. |

Return Type and Value: number – An estimate of the standard deviation based on a sample.

[Example:  
  
STDEVA(123,134,143,173,112,109) results in 23.72902583

end example]