#### STDEVP

[Syntax](Syntax.docx):

STDEVP ( argument-list )

Description: Computes the standard deviation of an entire population, using the "biased" or "[n](n.docx)" method. [Note: STDEVP assumes that its arguments are the total population. If the data represents a population sample only, [STDEVA](STDEVA.docx) should be used instead. If logical values and text representations of numbers in a [reference](reference.docx) are to be included as part of the calculation, use [STDEVPA](STDEVPA.docx) instead. end note]

Mathematical 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 the [members](members.docx) of the population. Logical values, and text representations of numbers that are entered directly into the list of arguments are included. If an argument is an array or [reference](reference.docx), only numbers in that array or [reference](reference.docx) are included. Empty cells, logical values, text, or error values in the array or [reference](reference.docx) are ignored. |

Return Type and Value: number – The standard deviation of an entire population.

[Example:

STDEVP(123,134,143,173,112,109) results in 21.66153785

end example]