#### LOGNORMDIST

[Syntax](Syntax.docx):

LOGNORMDIST ( x , mean , standard-dev )

Description: Calculates the cumulative lognormal distribution of x, where ln(x) is normally distributed with [parameters](parameters.docx) mean and standard-dev.

Mathematical Formula:

Equation

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| [x](x.docx) | number | The value at which to evaluate the function. |
| mean | number | The mean of ln(x). |
| standard-dev | number | The standard deviation of ln(x). |

Return Type and Value: number – The inverse of the lognormal cumulative distribution function of x.

However, if

* x ≤ 0, #NUM! [is](is.docx) returned.
* standard-dev ≤ 0, #NUM! [is](is.docx) returned.

[Example:  
  
LOGNORMDIST(4,3.5,1.2) results in 0.039083556  
  
end example]