How can I calculate the NORMSDIST function in Google Sheets?

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The NORMSDIST function in Google Sheets is used to calculate the cumulative standard normal distribution for a given value. This function takes a numerical input, which represents the value at which the distribution is to be evaluated, and returns a decimal value between 0 and 1. To use the NORMSDIST function in Google Sheets, simply enter the function followed by the desired value in the formula bar. This will provide the result of the standard normal distribution for the given value. This function can be useful for statistical analysis and probability calculations in various fields such as finance, economics, and science.

NORMSDIST

Returns the value of the standard normal cumulative distribution function for a specified value.

Sample Usage

`NORMSDIST(2.4)`

`NORMSDIST(A2)`

Syntax

`NORMSDIST(x)`

`x` - The input to the standard normal cumulative distribution function.

Notes

The "standard" normal distribution function is the normal distribution function with mean of `0` and variance (and therefore standard deviation) of `1`.

See Also

`ZTEST`: Returns the one-tailed P-value of a Z-test with standard distribution.

`WEIBULL`: Returns the value of the Weibull distribution function (or Weibull cumulative distribution function) for a specified shape and scale.

`POISSON`: Returns the value of the Poisson distribution function (or Poisson cumulative distribution function) for a specified value and mean.

`NORMSINV`: Returns the value of the inverse standard normal distribution function for a specified value.

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`NORMINV`: Returns the value of the inverse normal distribution function for a specified value, mean, and standard deviation.

`NORMDIST`: The NORMDIST function returns the value of the normal distribution function (or normal cumulative distribution function) for a specified value, mean, and standard deviation.

`NEGBINOMDIST`: Calculates the probability of drawing a certain number of failures before a certain number of successes given a probability of success in independent trials.

`LOGNORMDIST`: Returns the value of the log-normal cumulative distribution with given mean and standard deviation at a specified value.

`LOGINV`: Returns the value of the inverse log-normal cumulative distribution with given mean and standard deviation at a specified value.

`EXPONDIST`: Returns the value of the exponential distribution function with a specified lambda at a specified value.

`BINOMDIST`: Calculates the probability of drawing a certain number of successes (or a maximum number of successes) in a certain number of tries given a population of a certain size containing a certain number of successes, with replacement of draws.

Examples

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