How do I use the LOGNORMDIST function in Google Sheets?

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The LOGNORMDIST function in Google Sheets is used to calculate the probability of a value occurring in a log-normal distribution. This function takes in four parameters: the value, the mean, the standard deviation, and a boolean value representing whether the result should be cumulative or not. To use this function, simply input the required parameters in the correct order and the function will return the probability value. This can be helpful in analyzing data sets that follow a log-normal distribution, such as financial data or biological measurements.

LOGNORMDIST

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

Sample Usage

```
LOGNORMDIST(4,4,6)
```

```
LOGNORMDIST(A2,A3,A4)
```

Syntax

```
LOGNORMDIST(x, mean, standard_deviation)
```

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

`mean` - The mean (mu) of the log-normal cumulative distribution function.

`standard_deviation` - The standard deviation (sigma) of the log-normal cumulative distribution function.

Notes

A log-normal distribution function is a probability distribution function of a random variable whose logarithm is normally distributed.

See Also

`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.

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

`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.

`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