

How can I use the NORMINV function in Google Sheets?

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The NORMINV function is a useful tool in Google Sheets that allows users to calculate the inverse of the cumulative normal distribution for a given probability. This function is particularly helpful in statistical analysis and can be used to find the corresponding value for a specific probability in a normal distribution. By providing the probability and the mean and standard deviation of the distribution, users can easily obtain the desired value using the NORMINV function. This feature in Google Sheets makes it easier to perform complex calculations and analyze data accurately.

NORMINV

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

Sample Usage

```
NORMINV(.75,1,4)
```

```
NORMINV(A2,A3,A4)
```

Syntax

```
NORMINV(x, mean, standard_deviation)
```

x - The input to the normal distribution function.

mean - The mean (μ) of the normal distribution function.

standard_deviation - The standard deviation (σ) of the normal distribution function.

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.

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