How do I use the NORMSINV function in Google Sheets?

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June 30, 2024

The NORMSINV function in Google Sheets is a statistical function that calculates the inverse of the normal cumulative distribution for a given probability. This function is useful for finding the z-score corresponding to a given probability, which can be used in various statistical analyses. To use the NORMSINV function, simply enter the desired probability value as the argument and the function will return the corresponding z-score. This function is commonly used in financial and scientific calculations and can be accessed through the "functions" menu in Google Sheets.

NORMSINV

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

Sample Usage

`NORMSINV(.75)`

`NORMSINV(A2)`

Syntax

`NORMSINV(x)`

`x` - The input to the inverse standard normal 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`.
`x` must be greater than `0` and less than `1` or a `#NUM!` error will occur.

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.

`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.

`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