

# How can I use the GAUSS function in Excel?

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GAUSS function is a statistical function in Microsoft Excel that calculates the cumulative normal distribution of a given value. It can be used to analyze data and make predictions based on normal distribution. To use the GAUSS function, simply enter the value for which you want to calculate the probability in the function syntax and provide the mean and standard deviation of the data as arguments. This function can be helpful in various fields such as finance, engineering, and social sciences. By utilizing the GAUSS function, Excel users can easily perform complex statistical calculations and make informed decisions.

This article describes the formula syntax and usage of the GAUSS function in Microsoft Excel.

## Description

Calculates the probability that a member of a standard normal population will fall between the mean and z standard deviations from the mean.

## Syntax

GAUSS(z)

The GAUSS function syntax has the following arguments.

**Z** Required. Returns a number.

## Remarks

If z is not a valid number, GAUSS returns the #NUM! error value.

If z is not a valid data type, GAUSS returns the #VALUE! error value.

Because NORM.S.DIST(0,True) always returns 0.5, GAUSS (z) will always be 0.5 less than NORM.S.DIST(z,True).