

# How do I use the TRIMMEAN function in Excel?

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July 1, 2024

## RECOMMENDED CITATION

stats writer (2024). *How do I use the TRIMMEAN function in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=164217>

The TRIMMEAN function in Excel is a statistical tool that calculates the mean of a range of data, excluding a specified percentage of the highest and lowest values. This function is useful for removing outliers and calculating a more accurate average. To use the TRIMMEAN function, select a range of data, specify the percentage of data to be excluded, and enter the function "`=TRIMMEAN(range, percentage)`" in a cell. This will return the trimmed mean of the data. The TRIMMEAN function can be particularly helpful in data analysis and decision making by providing a more representative average value.

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

## Description

Returns the mean of the interior of a data set. TRIMMEAN calculates the mean taken by excluding a percentage of data points from the top and bottom tails of a data set. You can use this function when you wish to exclude outlying data from your analysis.

## Syntax

`TRIMMEAN(array, percent)`

The TRIMMEAN function syntax has the following arguments:

**Array** Required. The array or range of values to trim and average.

**Percent** Required. The fractional number of data points to exclude from the calculation. For example, if percent = 0.2, 4 points are trimmed from a data set of 20 points (20 x 0.2): 2 from the top and 2 from the bottom of the set.

## Remarks

If percent < 0 or percent > 1, TRIMMEAN returns the #NUM! error value.

TRIMMEAN rounds the number of excluded data points down to the nearest multiple of 2. If percent = 0.1, 10 percent of 30 data points equals 3 points. For symmetry, TRIMMEAN excludes a single value from the top and bottom of the data set.