

How do I use the QUARTILE.INC function in Excel?

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The QUARTILE.INC function in Excel is a useful tool for calculating quartile values in a data set. It is used to determine the boundaries of each quartile, which divides a data set into four equal parts. To use this function, simply select the cell where you want the result to be displayed, then type "=QUARTILE.INC(" into the formula bar, followed by the range of cells containing your data. Press enter and the function will calculate and display the quartile value. This function is particularly helpful in data analysis and can provide valuable insights into a data set's distribution.

Returns the quartile of a data set, based on percentile values from 0..1, inclusive.

Quartiles often are used in sales and survey data to divide populations into groups. For example, you can use QUARTILE.INC to find the top 25 percent of incomes in a population.

Syntax

QUARTILE.INC(array,quart)

The QUARTILE.INC function syntax has the following arguments:

Array Required. The array or cell range of numeric values for which you want the quartile value.

Quart Required. Indicates which value to return.

Parameters

If quart equals	QUARTILE.INC returns
0	Minimum value
1	First quartile (25th percentile)
2	Median value (50th percentile)
3	Third quartile (75th percentile)
4	Maximum value

Remarks

If array is empty, QUARTILE.INC returns the #NUM! error value.

If quart is not an integer, it is truncated.

If quart < 0 or if quart > 4, QUARTILE.INC returns the #NUM! error value.

MIN, MEDIAN, and MAX return the same value as QUARTILE.INC when quart is equal to 0 (zero),

2, and 4, respectively.

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