

How can I use the QUARTILE.EXC function in Google Sheets?

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The QUARTILE.EXC function in Google Sheets is a mathematical tool that allows users to calculate the quartile value of a data set, excluding the median. This function can be used by typing "`=QUARTILE.EXC()`" into a cell and then specifying the range of data to be analyzed. By using this function, users can quickly and accurately determine the quartile values of a data set, which can be useful for analyzing and comparing data. Additionally, this function can be used in conjunction with other statistical functions to gain further insights into the distribution of the data. Overall, the QUARTILE.EXC function provides a convenient and efficient way to analyze quartile values in Google Sheets.

QUARTILE.EXC function

The QUARTILE.EXC function returns value nearest to a given quartile of a dataset, exclusive of 0 and 4.

Parts of a QUARTILE.EXC function

`QUARTILE.EXC(data, quartile_number)`

Part	Description
<code>data</code>	The array or range containing the dataset to consider.
<code>quartile_number</code>	This is which quartile value to return 1 returns the value in data closest to the first quartile (25% mark) 2 returns the value in data closest to the median (50% mark) 3 returns the value in data closest to the third quartile (75% mark)

Sample formulas

`QUARTILE.EXC(A2:A100, 3)`

`QUARTILE.EXC(A2:A100, B2)`

Notes

If the `quartile_number` is not an integer, the number is truncated. The `quartile_number` must be between 0 and 4, exclusive. Different from `QUARTILE.INC`, `QUARTILE.EXC` calculates quartile based on a quartile range exclusive of 0th and 4th quartile.

Examples

	A
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1	data
2	6
3	7
4	15
5	36
6	39
7	40
8	41
9	42
10	43
11	47
12	49

	A	B	C
1	Quartile	Result	Formula
2	1	15	=QUARTILE.EXC(A2:A12, 1)
3	2	40	=QUARTILE.EXC(A2:A12, 2)
4	3	43	=QUARTILE.EXC(A2:A12, 3)

Related functions

PERCENTILE: Returns the value at a given percentile of a dataset.**PERCENTILE.EXC**: The PERCENTILE.EXC function returns the value at a given percentile of a dataset, exclusive of 0 and 1.**MEDIAN**: Returns the median value in a numeric dataset.**QUARTILE**: Returns a value nearest to a specified quartile of a dataset.