

# How can I use the VSTACK function in Excel to stack multiple ranges of cells vertically?

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## RECOMMENDED CITATION

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The VSTACK function in Excel allows users to stack multiple ranges of cells vertically, creating a single column of data. This function is useful for organizing and consolidating data from multiple sources or sections of a spreadsheet. By selecting the desired ranges of cells and using the VSTACK function, users can easily combine the data into a single column, making it easier to analyze and manipulate the data. This function is particularly helpful when dealing with large amounts of data and allows for a more efficient and organized approach to data management in Excel.

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Appends arrays vertically and in sequence to return a larger array.

## Syntax

=VSTACK(array1,...)

The VSTACK function syntax has the following argument:

**array** The arrays to append.

## Remarks

VSTACK returns the array formed by appending each of the array arguments in a row-wise fashion. The resulting array will be the following dimensions:

**Rows:** the combined count of all the rows from each of the array arguments.

**Columns:** The maximum of the column count from each of the array arguments.

## Errors

If an array has fewer columns than the maximum width of the selected arrays, Excel returns a #N/A error in the additional columns. Use VSTACK inside the [IFERROR function](#) to replace #N/A with the value of your choice.

Vertically appends two simple arrays in sequence so that the results are one array.

|                      |   |   |    |    |    |
|----------------------|---|---|----|----|----|
| <b>Data</b>          |   |   |    |    |    |
| A                    | B | C | AA | BB | CC |
| D                    | E | F | DD | EE | FF |
| <b>Formula</b>       |   |   |    |    |    |
| =VSTACK(A2:C3,E2:G3) |   |   |    |    |    |

Vertically appends three arrays in sequence so that the results are one array of two columns and six rows.

|                            |   |   |   |   |   |
|----------------------------|---|---|---|---|---|
| <b>Data</b>                |   |   |   |   |   |
| 1                          | 2 | A | B | X | Y |
| 3                          | 4 | C | D |   |   |
| 5                          | 6 |   |   |   |   |
| <b>Formulas</b>            |   |   |   |   |   |
| =VSTACK(A2:B4,C2:D3,E2:F2) |   |   |   |   |   |

Vertically appends three arrays in sequence so that the results are one array of three columns and six rows with a #N/A error to fill in empty array elements.

|                         |   |   |   |   |         |
|-------------------------|---|---|---|---|---------|
| <b>Data</b>             |   |   |   |   |         |
| 1                       | 2 | A | B | C | #VALUE! |
| 3                       | 4 | D | E | F |         |
| 5                       | 6 |   |   |   |         |
| <b>Formulas</b>         |   |   |   |   |         |
| =VSTACK(A2:B4,C2:E3,F2) |   |   |   |   |         |

## See Also

[Guidelines and examples of array formulas](#)

[HSTACK function](#)

[CHOOSEROWS function](#)

## CHOOSECOLS function

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