

# How do I use the ARRAYFORMULA function in Google Sheets?

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## RECOMMENDED CITATION

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The ARRAYFORMULA function in Google Sheets is a powerful tool that allows users to apply a formula to an entire column or row instead of just a single cell. This function eliminates the need for manually dragging the formula down each cell, saving time and effort. To use this function, simply enter the formula in the first cell of the column or row, then add the ARRAYFORMULA function to the beginning of the formula. This will automatically apply the formula to all the cells in that column or row. It is important to note that the ARRAYFORMULA function only works with array formulas, not regular formulas. By utilizing this function, users can quickly and efficiently perform calculations on large sets of data in Google Sheets.

## ARRAYFORMULA

Enables the display of values returned from an array formula into multiple rows and/or columns and the use of non-array functions with arrays.

### Sample Usage

```
ARRAYFORMULA(SUM(IF(A1:A10>5, A1:A10, 0)))
```

```
ARRAYFORMULA(A1:C1+A2:C2)
```

### Syntax

```
ARRAYFORMULA(array_formula)
```

`array_formula` - A range, mathematical expression using one cell range or multiple ranges of the same size, or a function that returns a result greater than one cell.

### Notes

Many array formulas will be automatically expanded into neighboring cells, obviating the explicit use of `ARRAYFORMULA`.

Pressing Ctrl+Shift+Enter while editing a formula will automatically add `ARRAYFORMULA(` to the beginning of the formula.

Note that array formulas cannot be exported.

### See Also

`ARRAY_CONSTRAIN`: Constrains an array result to a specified size.