

How can I use the SUMPRODUCT function in Google Sheets?

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The SUMPRODUCT function in Google Sheets is a useful tool that allows users to multiply corresponding values in two or more arrays and then sum the products together. This function can be used to perform various calculations such as weighted averages, total revenue, and more. To use the SUMPRODUCT function, simply enter the array or range of cells containing the values you want to multiply, separated by commas, within the parentheses. This function is particularly helpful for analyzing large sets of data and can save time and effort in manual calculations.

SUMPRODUCT

The SUMPRODUCT function calculates the sum of the products of corresponding entries in 2 equally sized arrays or ranges.

Sample Usage

```
SUMPRODUCT(A2:C5,D2:F5)
```

```
SUMPRODUCT({1,2,3,4},{5,6,7,8})
```

Syntax

```
SUMPRODUCT(array1, )
```

`array1` - The first array or range whose entries will be multiplied with corresponding entries in the second such array or range.

`array2, ...` - - The second array or range whose entries will be multiplied with corresponding entries in the first such array or range.

Notes

Matrix multiplication, `MMULT`, can also be accomplished using a combination of `TRANSPOSE` and `SUMPRODUCT` functions.

See Also

`TRANSPOSE`: Transposes the rows and columns of an array or range of cells.

`MMULT`: Calculates the matrix product of two matrices specified as arrays or ranges.

Examples