

How do I use ARRAYFORMULA with VLOOKUP in Google Sheets?

Authored by
stats writer

June 29, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I use ARRAYFORMULA with VLOOKUP in Google Sheets?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=158840>

ARRAYFORMULA is a function in Google Sheets that allows users to apply a formula to an entire column or row of data. This can be particularly useful when working with large datasets. VLOOKUP is another function in Google Sheets that enables users to search for a specific value in a column and return a corresponding value from a different column.

To use ARRAYFORMULA with VLOOKUP in Google Sheets, one must first create a VLOOKUP formula in a cell. Then, by adding ARRAYFORMULA before the VLOOKUP formula, the function will automatically apply the formula to all the cells in the selected range. This eliminates the need to manually drag the formula down to each cell, saving time and effort.

In summary, using ARRAYFORMULA with VLOOKUP in Google Sheets allows for efficient and automated application of the VLOOKUP function to a large dataset, making data analysis and manipulation easier and more streamlined.

Use ARRAYFORMULA with VLOOKUP in Google Sheets

You can use the following syntax to use the ARRAYFORMULA function with the VLOOKUP function in Google Sheets:

```
=ARRAYFORMULA(VLOOKUP(E2:E11,A2:C11,3,FALSE)  
)
```

This particular formula searches for the values in E2:E11 in the range A2:C11 and returns the value from the third column in the range.

The benefit of using ARRAYFORMULA is that we can perform a VLOOKUP for each value in E2:E11 without writing an individual VLOOKUP formula for each cell in

column E.

The following example shows how to use this formula in practice.

Example: Using ARRAYFORMULA with VLOOKUP in Google Sheets

Suppose we have the following dataset that contains information about various basketball teams:

	A	B	C	D	E
1	Team	Points	Rebounds		
2	Mavs	92	22		
3	Rockets	99	24		
4	Warriors	104	20		
5	Nets	104	29		
6	Spurs	109	31		
7	Thunder	91	35		
8	Heat	118	40		
9	Magic	90	24		
10	Bulls	88	27		
11	Grizzlies	105	18		
12					
13					
14					
15					
16					
17					
18					
19					
20					

We can use ARRAYFORMULA with VLOOKUP to look up every team in column E and return their

corresponding rebounds values in column F:

**=ARRAYFORMULA(VLOOKUP(E2:E11,A2:C11,3,FALSE)
)**

We can type this formula one time into cell F2 and press ENTER, and the rebounds values for each team will be returned:

F2 fx =ARRAYFORMULA(VLOOKUP(E2:E11,A2:C11,3,FALSE))						
	A	B	C	D	E	F
1	Team	Points	Rebounds		Team	Rebounds
2	Mavs	92	22		Mavs	22
3	Rockets	99	24		Rockets	24
4	Warriors	104	20		Warriors	20
5	Nets	104	29		Nets	29
6	Spurs	109	31		Spurs	31
7	Thunder	91	35		Thunder	35
8	Heat	118	40		Heat	40
9	Magic	90	24		Magic	24
10	Bulls	88	27		Bulls	27
11	Grizzlies	105	18		Grizzlies	18
12						
13						
14						
15						
16						
17						
18						

This offers a much quicker way to return the rebounds values for each team as opposed to typing an individual VLOOKUP function in each cell of column F or even

clicking and dragging the formula in cell F2 down to each cell in column F.

Note: You can find the complete documentation for the ARRAYFORMULA function in Google Sheets .

Additional Resources

ARABPSYCHOLOGY.COM