

How can I use the SUMIF function in Google Sheets with multiple columns?

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The SUMIF function in Google Sheets is a useful tool for calculating the sum of a specific range of cells that meet certain criteria. It allows users to specify certain conditions and only add up the values that match those conditions. When working with multiple columns of data, the SUMIF function can be used to sum values from one column based on criteria in another column. This is done by including both columns in the function's formula, with the criteria in one column and the values to be summed in the other. By using this function, users can efficiently calculate the total of specific data points in their spreadsheet, making data analysis and reporting more accurate and efficient.

Google Sheets: Use SUMIF with Multiple Columns

The SUMIFS() function in Google Sheets can be used to sum values that meet criteria in multiple columns.

This function uses the following syntax:

SUMIFS(sum_range, criteria_range1, criterion1, criteria_range2, criterion2, ...)

where:

sum_range: The range of cells to sum.
criteria_range1: The first range of cells to look at.
criterion1: The criterion to look for in the first range of cells.

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

Example 1: Using SUMIFS with Character Columns in Google Sheets

Suppose we have the following dataset that shows information for various basketball players:

	A	B	C	D	E	
1	Team	Position	Points	Assists		
2	Spurs	Guard	31	6		
3	Spurs	Guard	19	11		
4	Spurs	Forward	24	5		
5	Spurs	Forward	20	6		
6	Spurs	Center	6	2		
7	Mavericks	Guard	35	15		
8	Mavericks	Guard	14	8		
9	Mavericks	Forward	16	8		
10	Mavericks	Forward	8	4		
11	Mavericks	Center	3	7		
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We can use the following SUMIFS() function to sum the points scored by players who are on the Spurs *and* have a Guard position.

F2		fx	=SUMIFS(C2:C11, A2:A11, "Spurs", B2:B11, "Forward")			
	A	B	C	D	E	F
1	Team	Position	Points	Assists		
2	Spurs	Guard	31	6		44
3	Spurs	Guard	19	11		
4	Spurs	Forward	24	5		
5	Spurs	Forward	20	6		
6	Spurs	Center	6	2		
7	Mavericks	Guard	35	15		
8	Mavericks	Guard	14	8		
9	Mavericks	Forward	16	8		
10	Mavericks	Forward	8	4		
11	Mavericks	Center	3	7		
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The total points scored by players who are on the Spurs *and* have a Guard position is 44.

Example 2: Using SUMIFS with Character & Numeric Columns in Google Sheets

Once again suppose we have the following dataset that shows information for various basketball players:

	A	B	C	D	E	
1	Team	Position	Points	Assists		
2	Spurs	Guard	31	6		
3	Spurs	Guard	19	11		
4	Spurs	Forward	24	5		
5	Spurs	Forward	20	6		
6	Spurs	Center	6	2		
7	Mavericks	Guard	35	15		
8	Mavericks	Guard	14	8		
9	Mavericks	Forward	16	8		
10	Mavericks	Forward	8	4		
11	Mavericks	Center	3	7		
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We can use the following SUMIFS() function to sum the points scored by players who are on the Spurs *and* had more than 5 assists:

F2	fx	=SUMIFS(C2:C11, A2:A11, "Spurs", D2:D11, ">5")				
	A	B	C	D	E	F
1	Team	Position	Points	Assists		
2	Spurs	Guard	31	6		70
3	Spurs	Guard	19	11		
4	Spurs	Forward	24	5		
5	Spurs	Forward	20	6		
6	Spurs	Center	6	2		
7	Mavericks	Guard	35	15		
8	Mavericks	Guard	14	8		
9	Mavericks	Forward	16	8		
10	Mavericks	Forward	8	4		
11	Mavericks	Center	3	7		
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Specifically, we can see that three players met this criteria: Player 1, Player 2, and Player 4.

Combined, they have a total of $31 + 19 + 20 = 70$ points.