

How can I use the FILTER function in Google Sheets with the AND operator?

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The FILTER function in Google Sheets allows users to extract specific data from a range of cells based on certain criteria. By using the AND operator, multiple conditions can be applied to further refine the data being filtered. This allows for more precise and targeted data extraction, making it a useful tool for data analysis and organization. To use the FILTER function with the AND operator, simply add the conditions separated by commas within the function's syntax. This will result in a filtered dataset that meets all of the specified criteria. Overall, the combination of the FILTER function and the AND operator provides a powerful way to manipulate and analyze data in Google Sheets.

Google Sheets: Use FILTER Function with AND

You can use the following basic syntax in Google Sheets to use the FILTER function with AND logic:

`=FILTER(A1:C10, A1:A10="A", C1:C10<20)`

This filter returns the rows in the range A1:C10 where the value in column A is equal to "A" and the value in column C is less than 20.

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

Example: How to Use Filter Function with AND in Google Sheets

Suppose we have the following dataset in Google Sheets that contains information about various basketball players:

	A	B	C	D	E
1	Team	Position	Points		
2	A	Guard	15		
3	A	Guard	19		
4	A	Forward	22		
5	A	Forward	29		
6	A	Forward	25		
7	B	Guard	21		
8	B	Guard	30		
9	B	Forward	14		
10	B	Forward	12		
11					
12					
13					
14					
15					
16					
17					
18					

We can use the following formula to filter for all rows where the team is equal to "A" and the points is less than 20:

=FILTER(A1:C10, A1:A10="A", C1:C10<20)

The following screenshot shows how to use this formula in practice:

A12	∇	<i>fx</i>	=FILTER(A1:C10, A1:A10="A", C1:C10<20)		
	A	B	C	D	
1	Team	Position	Points		
2	A	Guard	15		
3	A	Guard	19		
4	A	Forward	22		
5	A	Forward	29		
6	A	Forward	25		
7	B	Guard	21		
8	B	Guard	30		
9	B	Forward	14		
10	B	Forward	12		
11					
12	A	Guard	15		
13	A	Guard	19		
14					
15					
16					
17					
18					
19					
20					

The only rows returned are the ones where the team is equal to "A" and the points is less than 20.

We can also use more commas in the FILTER function to apply even more AND operators.

For example, we can use the following syntax to filter for rows where the team is equal to "A" and the position is "Forward" and points is greater than 24:

=FILTER(A1:C10, A1:A10="A", B1:B10="Forward", C1:C10>24)

The following screenshot shows how to use this formula in practice:

A12			=FILTER(A1:C10, A1:A10="A", B1:B10="Forward", C1:C10>24)		
	A	B	C	D	E
1	Team	Position	Points		
2	A	Guard	15		
3	A	Guard	19		
4	A	Forward	22		
5	A	Forward	29		
6	A	Forward	25		
7	B	Guard	21		
8	B	Guard	30		
9	B	Forward	14		
10	B	Forward	12		
11					
12	A	Forward	29		
13	A	Forward	25		
14					
15					
16					
17					
18					
19					