

How can I use the FILTER function in Google Sheets to include multiple criteria with OR logic?

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The FILTER function in Google Sheets allows users to extract data from a specified range based on certain criteria. By using the OR logic, multiple criteria can be included in the function to filter data that matches any of the given criteria. This allows for more flexibility and precision in data analysis and organization. By specifying the range and criteria within the function, users can easily customize their data selection and obtain the desired results. This feature is particularly useful for handling large sets of data and conducting complex data analysis in a streamlined manner.

Google Sheets: Use FILTER Function with OR

You can use the following basic syntax in Google Sheets to use the FILTER function with OR 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" or the value in column C is less than 20.

Note: The plus (+) sign is used as an OR operator in Google Sheets.

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

Example: How to Use Filter Function with OR 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" or 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 *fx* =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	A	Forward	22	
15	A	Forward	29	
16	A	Forward	25	
17	B	Forward	14	
18	B	Forward	12	
19				
20				
21				

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

We can also use more plus signs (+) in the FILTER function to apply even more OR operators.

For example, we can use the following syntax to filter for rows where the team is equal to "A" or the position is "Guard" or points is greater than 15:

```
=FILTER(A1:C10,  
(A1:A10="A")+(B1:B10="Guard")+(C1:C10>15))
```

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

	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	Team	Position	Points		
13	A	Guard	15		
14	A	Guard	19		
15	A	Forward	22		
16	A	Forward	29		
17	A	Forward	25		
18	B	Guard	21		
19	B	Guard	30		
20					
21					
22					

This FILTER function returns the rows in the original dataset where any of the three conditions are met.