

How can I filter data in Excel by the number of characters?

Authored by
stats writer

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Filtering data in Excel by the number of characters allows for the efficient organization and analysis of large datasets. By using the filter function, users can specify a specific number of characters and only display data that meets this criteria. This enables users to quickly identify and analyze data that falls within a certain character range, making it easier to spot patterns, trends, and outliers. This function is particularly useful for tasks such as data cleaning, identifying duplicate entries, and identifying data that may need further analysis. By filtering data by the number of characters, users can streamline their data analysis process and make data-driven decisions with greater accuracy and efficiency.

Excel: Filter by Number of Characters

You can use the FILTER function combined with the LEN function to filter a range of cells in Excel based on the number of characters in a specific cell:

=FILTER(A2:C11, LEN(A2:A11)<5)

This particular formula filters the cells in the range A2:C11 to only return the rows where cells in the range A2:A11 have less than 5 characters.

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

Example: Filter by Number of Characters in Excel

First, let's enter the following dataset in Excel that contains information about various basketball players:

	A	B	C	D	E
1	Team	Points	Assists		
2	Mavs	22	4		
3	Spurs	19	9		
4	Rockets	15	3		
5	Kings	15	8		
6	Warriors	29	12		
7	Nets	24	10		
8	Lakers	40	8		
9	Thunder	35	3		
10	Blazers	23	6		
11	Jazz	33	2		
12					
13					
14					
15					
16					
17					

Suppose we would like to filter the dataset to only show the rows where the team name contains less than 5 characters.

We can type the following formula into cell E2 to do so:

=FILTER(A2:C11, LEN(A2:A11)<5)

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

E2 *fx* =FILTER(A2:C11, LEN(A2:A11)<5)

	A	B	C	D	E	F	G
1	Team	Points	Assists		Team	Points	Assists
2	Mavs	22	4		Mavs	22	4
3	Spurs	19	9		Nets	24	10
4	Rockets	15	3		Jazz	33	2
5	Kings	15	8				
6	Warriors	29	12				
7	Nets	24	10				
8	Lakers	40	8				
9	Thunder	35	3				
10	Blazers	23	6				
11	Jazz	33	2				
12							
13							
14							
15							
16							
17							

The formula returns only the rows where the number of characters in the team column is less than 5.

Note that you can also use multiple conditions within the FILTER function.

For example, you could type the following formula into cell E2 to only show the rows where the number of characters in the team column is between 5 and 7:

=FILTER(A2:C11,(LEN(A2:A11)>=5)*(LEN(A2:A11)<=7))

The following screenshot shows how to use this

