

How can I use VBA to filter a column in Excel?

Authored by
stats writer

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VBA (Visual Basic for Applications) is a programming language that can be used to automate various tasks in Microsoft Excel. One of its useful applications is filtering a column in Excel. This allows the user to easily sort and organize data based on specific criteria. To use VBA for filtering a column in Excel, the user can create a macro or a set of instructions that will automatically apply the desired filter to the selected column. This can save time and effort, especially for large data sets. By using VBA, the user can customize the filtering process and make it more efficient, resulting in a more organized and manageable spreadsheet.

Filter a Column Using VBA (With Examples)

You can use the following methods to filter by a column in Excel using VBA:

Method 1: Filter Based on One Column Value

Sub FilterRows()

```
ActiveSheet.Range("A1:C11").AutoFilter field:=1,
```

```
Criteria1:=Range("F2").Value
```

End Sub

This particular macro will filter the range A1:C11 to only display rows where the first column is equal to the value in cell F2.

Method 2: Filter Based on Multiple Column Values

Sub FilterRows()

```
ActiveSheet.Range("A1:C11").AutoFilter field:=1,
```

```
Criteria1:=Range("F2").Value, _  
Operator:=xlOr, Criteria2:=Range("F3").Value  
End Sub
```

This particular macro will filter the range A1:C11 to only display rows where the first column is equal to the value in cell F2 or F3.

Method 3: Clear Filters

```
Sub ClearFilters()  
ActiveSheet.AutoFilterMode = False  
End Sub
```

This particular macro will clear all filters from the current sheet.

The following examples show how to use each of these methods in practice.

Example 1: Filter Based on One Column Value

Suppose we have a dataset that contains information about various basketball players and we would like to filter the dataset to only contain rows where the value in

the Team column is equal to A:

	A	B	C	D	E	F	G
1	Team	Position	Points			Team Filter	
2	A	Guard	20			A	
3	A	Guard	25				
4	A	Forward	31				
5	A	Forward	14				
6	A	Center	19				
7	B	Guard	25				
8	B	Guard	28				
9	C	Forward	13				
10	C	Center	19				
11	C	Center	22				
12							
13							
14							
15							
16							
17							
18							
19							

We can create the following macro to do so:

Sub FilterRows()

```
ActiveSheet.Range("A1:C11").AutoFilter field:=1,  
Criteria1:=Range("F2").Value
```

End Sub

When we run this macro, the dataset will automatically be filtered to only contain rows where the value in the Team column is equal to A:

	A	B	C	D	E	F
1	Team	Position	Points			Team Filter
2	A	Guard	20			A
3	A	Guard	25			
4	A	Forward	31			
5	A	Forward	14			
6	A	Center	19			
12						
13						
14						
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16						
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23						

Example 2: Filter Based on Multiple Column Values

Suppose we would like to filter the dataset to only contain rows where the value in the Team column is equal to A or C:

	A	B	C	D	E	F	G
1	Team	Position	Points			Team Filter	
2	A	Guard	20			A	
3	A	Guard	25			C	
4	A	Forward	31				
5	A	Forward	14				
6	A	Center	19				
7	B	Guard	25				
8	B	Guard	28				
9	C	Forward	13				
10	C	Center	19				
11	C	Center	22				
12							
13							
14							
15							
16							
17							
18							
19							

We can create the following macro to do so:

Sub FilterRows()

ActiveSheet.Range("A1:C11").AutoFilter field:=1,

Criteria1:=Range("F2").Value, _

Operator:=xlOr, Criteria2:=Range("F3").Value

End Sub

When we run this macro, the dataset is automatically filtered to only show rows where the value in the Team column is equal to A or C.

	A	B	C	D	E	F
1	Team	Position	Points			Team Filter
2	A	Guard	20			A
3	A	Guard	25			C
4	A	Forward	31			
5	A	Forward	14			
6	A	Center	19			
9	C	Forward	13			
10	C	Center	19			
11	C	Center	22			
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Note: You can find the complete documentation for the VBA AutoFilter method .