

How can I use VBA to fill blank cells with the value of the cell above them?

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VBA or Visual Basic for Applications is a programming language used in Microsoft Office applications, such as Excel, to automate tasks and manipulate data. One useful function of VBA is the ability to fill blank cells with the value of the cell above them. This can be achieved by writing a simple code that loops through each cell in a selected range, checks if it is blank, and if so, assigns it the value of the cell above it. This can save time and effort when working with large datasets or when creating reports with missing data. By utilizing VBA, users can efficiently clean up their data and ensure consistency and accuracy in their spreadsheets.

VBA: Fill Blank Cells with Value Above

Often you may want to use VBA to fill blank cells in an Excel sheet with the values in the cells directly above them.

You can use the following basic syntax to do so:

```
Sub Fill_From_Above()  
With Range("A2:B" & Range("C" &  
Rows.Count).End(xlUp).Row)  
.SpecialCells(xlBlanks).FormulaR1C1 = "=RC"  
.Value = .Value  
End With  
End Sub
```

This particular example will fill in all blank cells starting from cell A2 through column B to the last row that has a value in column C.

The following example shows how to use this syntax in

practice.

Example: Use VBA to Fill Blank Cells with Value Above

Suppose we have the following dataset in Excel that shows the points scored during various games by various basketball players:

	A	B	C	D	E
1	Team	Player	Points		
2	Mavs	Andy	22		
3			29		
4			30		
5		Bob	14		
6			17		
7			13		
8	Spurs	Chad	10		
9			14		
10			15		
11		Doug	22		
12			29		
13			25		
14					
15					
16					
17					

Suppose we would like to fill in the blank cells in columns A and B with the values in the cells above them.

We can create the following macro to do so:

Sub Fill_From_Above()

```
With Range("A2:B" & Range("C" &  
Rows.Count).End(xlUp).Row)  
.SpecialCells(xlBlanks).FormulaR1C1 = "=RC"  
.Value = .Value  
End With  
End Sub
```

When we run this macro, we receive the following output:

	A	B	C	D	E	F
1	Team	Player	Points			
2	Mavs	Andy	22			
3	Mavs	Andy	29			
4	Mavs	Andy	30			
5	Mavs	Bob	14			
6	Mavs	Bob	17			
7	Mavs	Bob	13			
8	Spurs	Chad	10			
9	Spurs	Chad	14			
10	Spurs	Chad	15			
11	Spurs	Doug	22			
12	Spurs	Doug	29			
13	Spurs	Doug	25			
14						
15						
16						
17						
18						

Notice that all blank cells in the Team and Player

columns have been filled in with the appropriate value of the cells above them.

Note: We used xlBlanks to identify blank cells in the range and then used =RC to fill in the blanks with the value from the cell one row above it.

The end result is that we were able to fill in all blank cells with the value in the cells above them.

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