

# How can I delete empty rows using VBA in Excel?

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June 24, 2024

## RECOMMENDED CITATION

stats writer (2024). *How can I delete empty rows using VBA in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=150085>

This short formal description explains the process of using VBA (Visual Basic for Applications) in Excel to delete empty rows. VBA is a programming language used to automate tasks in Excel. To delete empty rows, users can create a VBA macro that loops through each row and checks if it is empty. If it is, the macro will delete the entire row. This method allows for a quick and efficient way to clean up large amounts of data in Excel spreadsheets. By utilizing VBA, users can save time and effort compared to manually deleting empty rows one by one.

## Delete Empty Rows in VBA (With Examples)

You can use the following methods in VBA to delete empty rows:

### Method 1: Delete Empty Rows in Specific Range

```
Sub DeleteEmptyRowsInRange()  
Sheets("Sheet1").Select  
Range("A1:B10").Select  
Selection.SpecialCells(xlCellTypeBlanks).EntireRow.Delete  
End Sub
```

This particular macro will delete all empty rows in the range A1:B10 of Sheet1.

### Method 2: Delete Empty Rows in Entire Sheet

```
Sub DeleteEmptyRowsInSheet()
```

```
'turn off screen updating for faster performance  
Application.ScreenUpdating = False
```

```
Dim i As Long
```

```
With ActiveSheet
```

```
For i = .Cells.SpecialCells(xlCellTypeLastCell).Row To 1  
Step -1
```

```
If WorksheetFunction.CountA(.Rows(i)) = 0 Then  
ActiveSheet.Rows(i).Delete
```

```
End If  
NextEnd With  
'turn screen updating back on  
Application.ScreenUpdating = True
```

```
End Sub
```

This particular macro will delete all empty rows in the entire active sheet.

The following examples show how to use each method in practice.

**Example 1: Delete Empty Rows in Specific Range**

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

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavericks	22	4			
3	Nets	29	5			
4	Heat	30	8			
5						
6	Warriors	13	8			
7	Pistons	19	11			
8						
9	Blazers	22	9			
10	Spurs	27	5			
11						
12						
13						
14						
15						
16						
17						
18						
19						

**We can create the following macro to delete all empty rows in the range A1:B10 on this sheet:**

```
Sub DeleteEmptyRowsInRange()  
Sheets("Sheet1").Select  
Range("A1:B10").Select  
Selection.SpecialCells(xlCellTypeBlanks).EntireRow.Delete  
ete  
End Sub
```

**Once we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavericks	22	4			
3	Nets	29	5			
4	Heat	30	8			
5	Warriors	13	8			
6	Pistons	19	11			
7	Blazers	22	9			
8	Spurs	27	5			
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

**Notice that all empty rows have been deleted from the range that we specified.**

**Example 2: Delete Empty Rows in Entire Sheet**

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavericks	22	4			
3	Nets	29	5			
4	Heat	30	8			
5						
6						
7	Warriors	13	8			
8						
9	Pistons	19	11			
10						
11						
12						
13						
14						
15	Blazers	22	9			
16						
17						
18						
19						
20						
21	Spurs	27	5			
22						
23						

**We can create the following macro to delete all empty rows in the entire sheet:**

**Sub DeleteEmptyRowsInSheet()**

**'turn off screen updating for faster performance**

**Application.ScreenUpdating = False**

**Dim i As Long**

## With ActiveSheet

**For i = .Cells.SpecialCells(xlCellTypeLastCell).Row To 1**

**Step -1**

**If WorksheetFunction.CountA(.Rows(i)) = 0 Then**

**ActiveSheet.Rows(i).Delete**

**End If**NextEnd With'turn screen updating back on

**Application.ScreenUpdating = True**

**End Sub**

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

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavericks	22	4			
3	Nets	29	5			
4	Heat	30	8			
5	Warriors	13	8			
6	Pistons	19	11			
7	Blazers	22	9			
8	Spurs	27	5			
9						
10						
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**Notice that all empty rows have been deleted from the entire sheet.**