

How can I use VBA to copy a range of cells to another sheet in Excel?

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June 21, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use VBA to copy a range of cells to another sheet in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=146181>

VBA, or Visual Basic for Applications, is a programming language used in Microsoft Excel to automate tasks and manipulate data. One useful function of VBA is the ability to copy a range of cells from one sheet to another. This can be accomplished by using the "Range" and "Copy" methods in VBA, which allow you to specify the starting and ending cells of the desired range and then copy them to a new location. This function is helpful for quickly transferring data between different sheets in an Excel workbook, saving time and effort for the user.

VBA: Copy Range to Another Sheet

You can use the following syntax in VBA to copy a range of cells to another sheet:

```
Sub CopyRangeToSheet()
```

```
Worksheets("Sheet1").Range("A1:C11").Copy
```

```
Worksheets("Sheet2").Range("A1").PasteSpecial
```

```
Application.CutCopyMode = False
```

```
End Sub
```

This particular macro will copy the cells in the range A1:C11 of Sheet1 and paste them in the range starting in cell A1 of Sheet2.

Note: The line `Application.CutCopyMode = False` specifies that the cut and copy mode should be turned off after running the macro.

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

Example: Copy Range to Another Sheet Using VBA

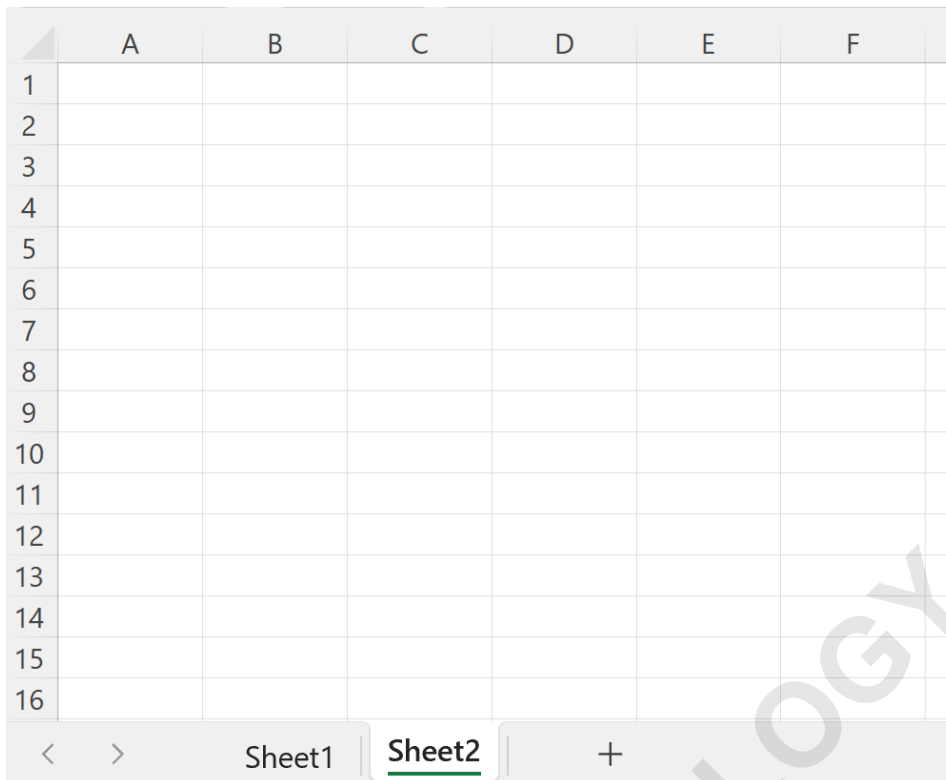
Suppose we have the following dataset in a sheet called **Sheet1** in Excel that contains information about various basketball players:

	A	B	C	D	E	F
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						

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< > Sheet1 Sheet2 +

Suppose we also have another sheet called **Sheet2** that is currently empty:



Suppose we would like to copy all of the values in the range A1:C11 of Sheet1 and paste them starting in cell A1 of Sheet2.

We can create the following macro to do so:

Sub CopyRangeToSheet()

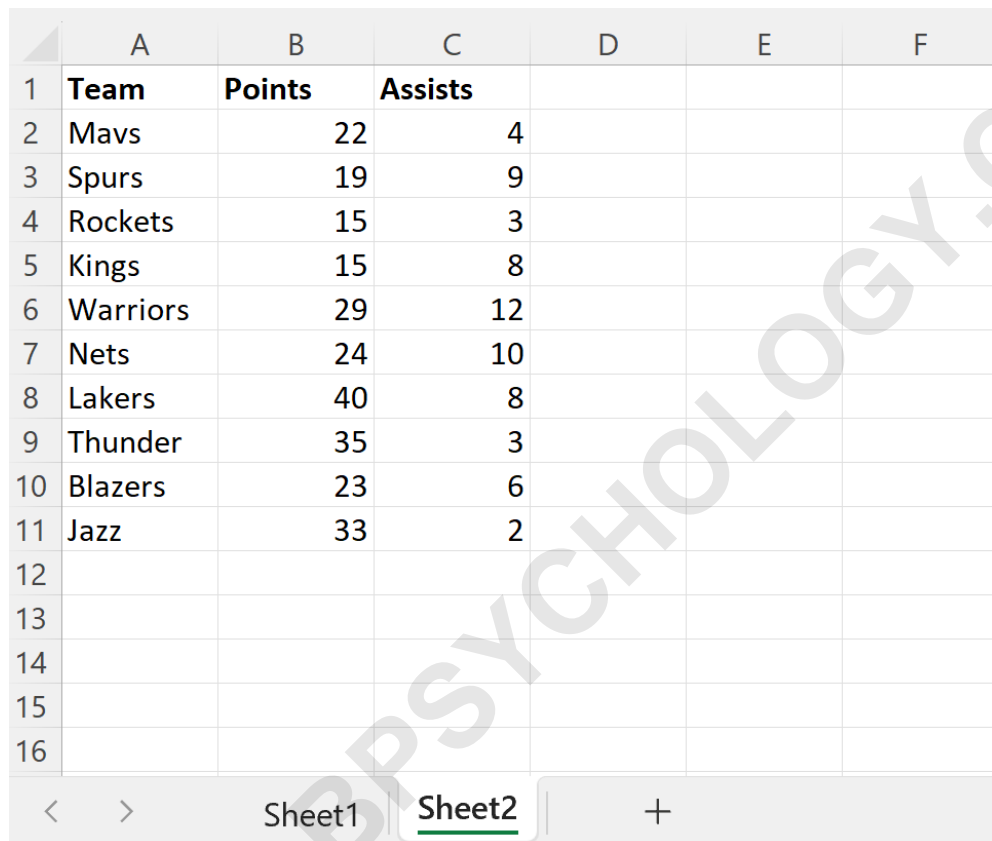
Worksheets("Sheet1").Range("A1:C11").Copy

Worksheets("Sheet2").Range("A1").PasteSpecial

Application.CutCopyMode = False

End Sub

When we run this macro, we receive the following output in Sheet2:



	A	B	C	D	E	F
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						

Notice that all of the values from the range A1:C11 from Sheet1 have been copied into Sheet2 starting in cell A1.

By default, the values were pasted with their source formatting.

If you'd like to only paste the values without source

formatting, you can specify `Paste:=xlPasteValues` as follows:

```
Sub CopyRangeToSheet()
```

```
Worksheets("Sheet1").Range("A1:C11").Copy
```

```
Worksheets("Sheet2").Range("A1").PasteSpecial  
Paste:=xlPasteValues
```

```
Application.CutCopyMode = False
```

```
End Sub
```

When we run this macro, we receive the following output in Sheet2:

	A	B	C	D	E	F
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						

< > Sheet1 Sheet2 +

Notice that only the values (without formatting) from the range A1:C11 from Sheet1 have been copied into Sheet2.

Note: You can find the complete documentation for the VBA PasteSpecial method [here](#).