

# How can I insert multiple columns using VBA in Excel?

Authored by  
**stats writer**

June 24, 2024

## RECOMMENDED CITATION

stats writer (2024). *How can I insert multiple columns using VBA in Excel?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=150172>

VBA (Visual Basic for Applications) is a programming language used in Microsoft Excel to automate tasks and manipulate data. One such task is inserting multiple columns into a worksheet. This can be done efficiently using VBA by creating a macro that contains the necessary code. The code can be customized to specify the number of columns to be inserted, their position, and any other desired formatting. This method of inserting columns using VBA saves time and effort compared to manually inserting them one by one. It is a useful tool for users who frequently work with large amounts of data and need to efficiently organize their worksheets.

## Insert Multiple Columns Using VBA

You can use the following syntax to insert multiple columns in Excel using VBA:

```
Sub InsertMultipleColumns()  
Worksheets("Sheet1").Range("B:D").EntireColumn.Insert  
rt  
End Sub
```

This particular macro will insert three blank columns in the range D through F of the sheet called Sheet1 and push any existing columns to the right.

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

**Example: How to Insert Multiple Columns Using VBA**

Suppose we have the following dataset that contains

## information about various basketball players:

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavs	22	4			
3	Nets	40	8			
4	Spurs	23	8			
5	Lakers	28	7			
6	Rockets	25	9			
7	Heat	18	10			
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

Suppose we would like to insert three blank columns starting at column B.

We can create the following macro to do so:

```
Sub InsertMultipleColumns()
```

```
Worksheets("Sheet1").Range("B:D").EntireColumn.Insert
```

```
End Sub
```

**When 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	Mavs				22	4	
3	Nets				40	8	
4	Spurs				23	8	
5	Lakers				28	7	
6	Rockets				25	9	
7	Heat				18	10	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

**Notice that three blank columns were inserted into column locations B, C and D of this worksheet called Sheet1.**

**The values that previously existed in columns B, C and D were simply pushed to the right.**

**Note: You can find the complete documentation for the VBA Insert function .**