

# How do I select all cells with data in VBA?

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## RECOMMENDED CITATION

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The process of selecting all cells with data in VBA (Visual Basic for Applications) involves using the "SpecialCells" method combined with the "xlCellTypeConstants" parameter. This allows the user to programmatically identify and select all cells that contain data, regardless of their location within the worksheet. This method is useful for manipulating large sets of data and automating tasks in Excel. By selecting all cells with data, the user can easily perform actions such as formatting, copying, or deleting specific data in a more efficient and accurate manner.

## **VBA: Select All Cells with Data**

**You can use the following methods in VBA to select all cells with data in a sheet:**

### **Method 1: Select Grid of Cells with Data**

```
Sub SelectCellsWithData()
```

```
Range("A1").CurrentRegion.Select
```

```
End Sub
```

**This particular macro will select a grid of cells with data starting from cell A1 of the currently active sheet.**

### **Method 2: Select Individual Cells with Data**

```
Sub SelectCellsWithData()
```

```
Worksheets("Sheet1").Activate
```

```
ActiveSheet.Cells.SpecialCells(xlCellTypeConstants).Ac
```

## tivate

## End Sub

This particular macro will select all of the individual cells with data from Sheet1.

The following examples show how to use each method in practice with the following sheet called Sheet1 in Excel:

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavs	22	4			
3	Heat	30	9			
4	Nets					
5	Rockets	28	8			
6		12	12			
7	Hornets	15	5			
8	Blazers	19				
9	Warriors	15	3			
10	Kings		2			
11						
12						
13						
14						
15						
16						
17						

## Example 1: Select Grid of Cells with Data

**Suppose we would like to select the grid of cells that contains data in Sheet1.**

**We can create the following macro to do so:**

**Sub SelectCellsWithData()**

**Range("A1").CurrentRegion.Select**

**End Sub**

**When we run this macro, we can see that the entire grid of cells that contains data in Sheet1 has been selected:**

	A	B	C	D	E	F	
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>				
2	Mavs	22	4				
3	Heat	30	9				
4	Nets						
5	Rockets	28	8				
6		12	12				
7	Hornets	15	5				
8	Blazers	19					
9	Warriors	15	3				
10	Kings		2				
11							
12							
13							
14							
15							
16							
17							
18							
19							

**Note that this method uses the CurrentRegion property to select the range of cells bounded by empty cells.**

**You can find the complete documentation for the CurrentRegion property .**

### **Example 2: Select Individual Cells with Data**

**Suppose we would like to only select all of the individual cells that contain data in Sheet1.**

**We can create the following macro to do so:**

## Sub SelectCellsWithData()

**Worksheets("Sheet1").Activate**

**ActiveSheet.Cells.SpecialCells(xlCellTypeConstants).Activate**

**End Sub**

When we run this macro, we can see that each of the individual cells in Sheet1 that contain data are selected:

	A	B	C	D	E	F
1	<b>Team</b>	<b>Points</b>	<b>Assists</b>			
2	Mavs	22	4			
3	Heat	30	9			
4	Nets					
5	Rockets	28	8			
6		12	12			
7	Hornets	15	5			
8	Blazers	19				
9	Warriors	15	3			
10	Kings		2			
11						
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