

# How can I use VBA to extract data from another workbook?

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## RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=150216>



**'do not save any changes to workbook we extracted data from**

**wb.Close SaveChanges:=False**

**'turn screen updating back on**

**Application.ScreenUpdating = True**

**End Sub**

**This particular macro opens the workbook called my\_data.xlsx located in the following location:**

**C:\Users\Bob\Desktop\my\_data.xlsx**

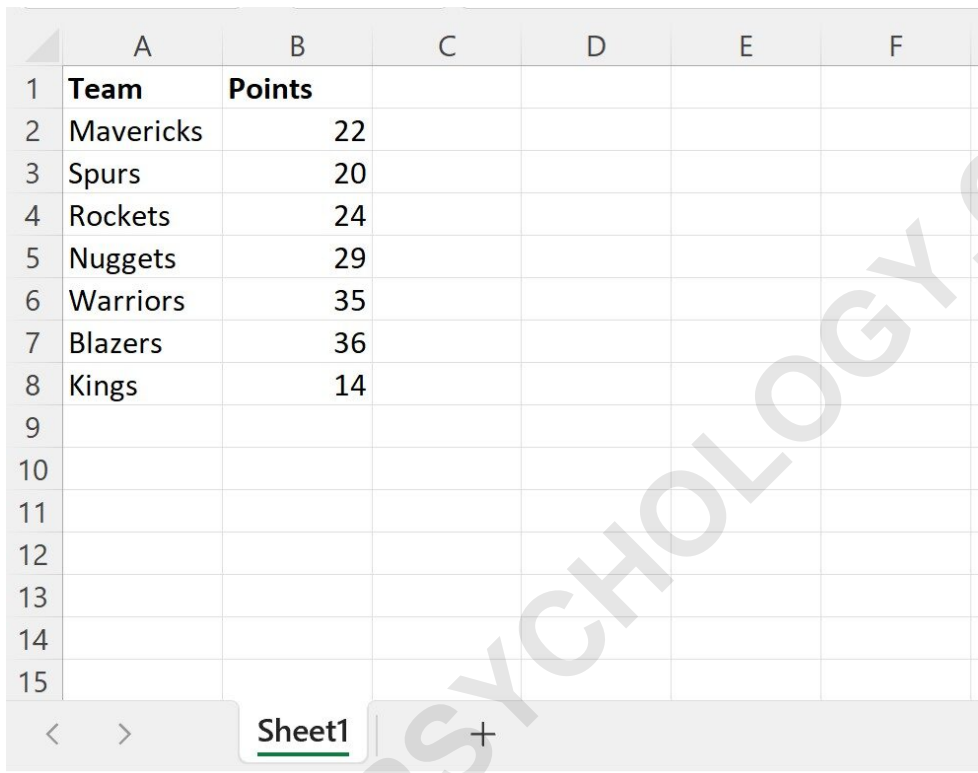
**It then copies all of the data from the sheet called Sheet1 in that workbook and copies it to the sheet directly after the first sheet in our currently active workbook.**

**Note: The line Application.ScreenUpdating = False tells VBA to run this process in the background so that it runs quicker.**

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

## Example: Extract Data from Another Workbook Using VBA

Suppose we have the following Excel workbook open and we're viewing it:

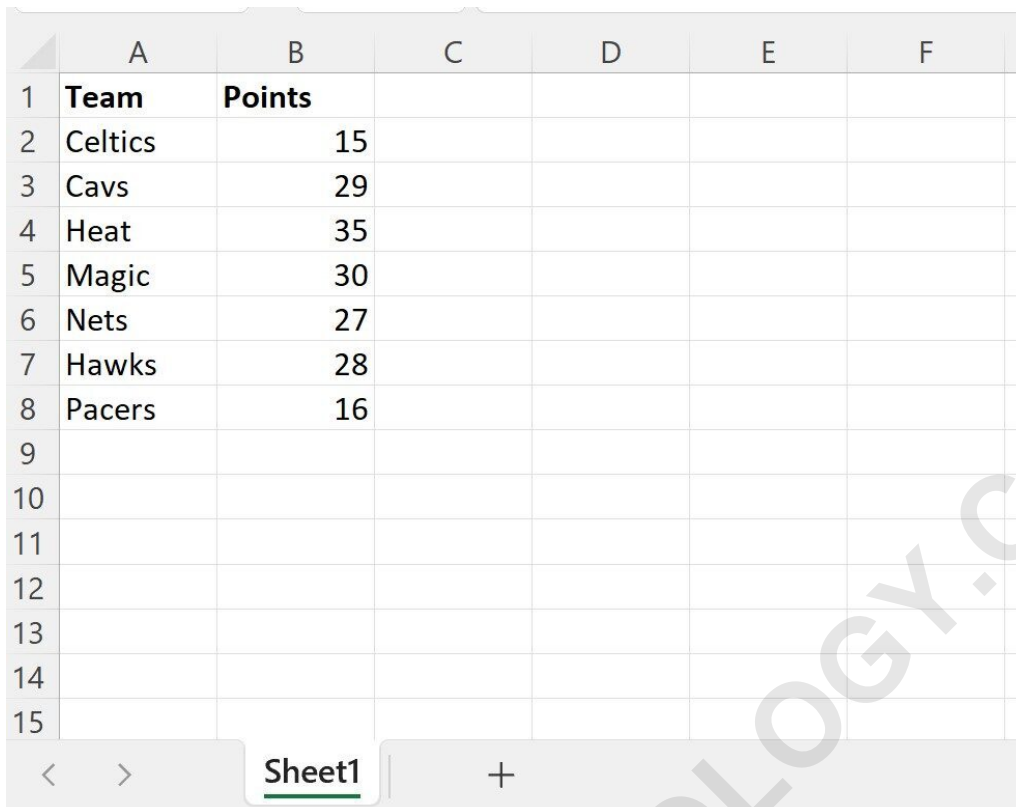


The screenshot shows an Excel spreadsheet with the following data:

|    | A           | B             | C | D | E | F |
|----|-------------|---------------|---|---|---|---|
| 1  | <b>Team</b> | <b>Points</b> |   |   |   |   |
| 2  | Mavericks   | 22            |   |   |   |   |
| 3  | Spurs       | 20            |   |   |   |   |
| 4  | Rockets     | 24            |   |   |   |   |
| 5  | Nuggets     | 29            |   |   |   |   |
| 6  | Warriors    | 35            |   |   |   |   |
| 7  | Blazers     | 36            |   |   |   |   |
| 8  | Kings       | 14            |   |   |   |   |
| 9  |             |               |   |   |   |   |
| 10 |             |               |   |   |   |   |
| 11 |             |               |   |   |   |   |
| 12 |             |               |   |   |   |   |
| 13 |             |               |   |   |   |   |
| 14 |             |               |   |   |   |   |
| 15 |             |               |   |   |   |   |

The spreadsheet interface includes a sheet tab labeled 'Sheet1' and a plus sign for adding new sheets.

Now suppose we have another workbook that is closed but contains the following data:



|    | A           | B             | C | D | E | F |
|----|-------------|---------------|---|---|---|---|
| 1  | <b>Team</b> | <b>Points</b> |   |   |   |   |
| 2  | Celtics     | 15            |   |   |   |   |
| 3  | Cavs        | 29            |   |   |   |   |
| 4  | Heat        | 35            |   |   |   |   |
| 5  | Magic       | 30            |   |   |   |   |
| 6  | Nets        | 27            |   |   |   |   |
| 7  | Hawks       | 28            |   |   |   |   |
| 8  | Pacers      | 16            |   |   |   |   |
| 9  |             |               |   |   |   |   |
| 10 |             |               |   |   |   |   |
| 11 |             |               |   |   |   |   |
| 12 |             |               |   |   |   |   |
| 13 |             |               |   |   |   |   |
| 14 |             |               |   |   |   |   |
| 15 |             |               |   |   |   |   |

We can use the following macro to extract the data from Sheet1 of this closed workbook and paste it into a new sheet directly after the first sheet in our currently opened workbook:

**Sub ExtractData()**

'turn off screen updates to make this run faster

**Application.ScreenUpdating = False**

'specify workbook we want to extract data from

**Set wb =**

**Workbooks.Open("C:\Users\bobbi\OneDrive\Desktop\my\_d**

**ata.xlsx")**

**'extract all data from Sheet1 and paste as new sheet in current workbook**

**wb.Sheets("Sheet1").Copy**

**After:=ThisWorkbook.Sheets(1)**

**'do not save any changes to workbook we extracted data from**

**wb.Close SaveChanges:=False**

**'turn screen updating back on**

**Application.ScreenUpdating = True**

**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> |   |   |   |   |
| 2  | Celtics     | 15            |   |   |   |   |
| 3  | Cavs        | 29            |   |   |   |   |
| 4  | Heat        | 35            |   |   |   |   |
| 5  | Magic       | 30            |   |   |   |   |
| 6  | Nets        | 27            |   |   |   |   |
| 7  | Hawks       | 28            |   |   |   |   |
| 8  | Pacers      | 16            |   |   |   |   |
| 9  |             |               |   |   |   |   |
| 10 |             |               |   |   |   |   |
| 11 |             |               |   |   |   |   |
| 12 |             |               |   |   |   |   |
| 13 |             |               |   |   |   |   |
| 14 |             |               |   |   |   |   |
| 15 |             |               |   |   |   |   |

Sheet1 Sheet1 (2) +

**Notice that the data from the closed workbook has been extracted and pasted as a new sheet into our currently active workbook.**