

How can I use VBA to save multiple sheets as CSV files, and can you provide an example?

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VBA (Visual Basic for Applications) is a programming language that is commonly used to automate tasks in Microsoft Excel. One useful task that can be accomplished with VBA is saving multiple sheets as CSV (Comma-Separated Values) files. This allows for easy sharing and manipulation of data across different platforms and programs.

To use VBA to save multiple sheets as CSV files, you can use the "SaveAs" method in a loop to iterate through each sheet and save it as a separate CSV file. An example of this would be:

```
Sub SaveSheetsAsCSV()  
  
Dim ws As Worksheet  
  
For Each ws In ThisWorkbook.Worksheets  
ws.SaveAs Filename:=ws.Name & ".csv", FileFormat:=xlCSV  
Next ws  
  
End Sub
```

This code will save each sheet in the active workbook as a CSV file with the same name as the sheet. You can modify the code to specify a different file name or path for the CSV files.

In summary, using VBA to save multiple sheets as CSV files can greatly improve productivity and efficiency in data management and sharing. The provided example demonstrates how this task can be easily accomplished with the use of VBA.

VBA: Save Sheets as CSV Files (With Example)

You can use the following syntax in VBA to save each sheet in a workbook to a CSV file:

```
Sub SaveCSV()
```

```
Dim Ws As Worksheet
```

```
Dim SaveDir As String
```

```
Dim CurrentWorkbook As String
```

Dim CurrentFormat As Long

CurrentWorkbook = ThisWorkbook.FullName

CurrentFormat = ThisWorkbook.FileFormat

'specify directory to save CSV files in

SaveDir = "C:UsersbobbOneDriveDesktop"

'save each sheet to individual CSV file

For Each Ws In

Application.ActiveWorkbook.Worksheets

Ws.SaveAs SaveDir & Ws.Name, xlCSV

Next

Application.DisplayAlerts = False

ThisWorkbook.SaveAs Filename:=CurrentWorkbook,

FileFormat:=CurrentFormat

Application.DisplayAlerts = True

End Sub

This particular macro will save each sheet in the currently active workbook to a CSV file.

The CSV files will be saved in the path specified in the SaveDir variable.

Note: The line `Application.DisplayAlerts=False` tells VBA to temporarily turn off any display alerts in Excel when saving the files.

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

Example: Save Sheets as CSV Files Using VBA

Suppose we have an Excel workbook with two sheets.

The first sheet is called `player_stats` and contains statistics about various basketball players:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Mavs	22	4			
3	Heat	19	7			
4	Kings	14	7			
5	Nets	18	6			
6	Warriors	29	9			
7	Blazers	35	8			
8	Spurs	34	8			
9	Rockets	29	10			
10	Hornets	24	22			
11						
12						
13						
14						
15						
16						
17						

Navigation: < > player_stats team_info +

The second sheet is called team_info and contains information about various basketball teams:

	A	B	C	D	E	F
1	Team	Conference				
2	Mavs	West				
3	Heat	East				
4	Kings	West				
5	Nets	East				
6	Warriors	West				
7	Blazers	West				
8	Spurs	West				
9	Rockets	West				
10	Hornets	East				
11						
12						
13						
14						
15						
16						
17						

< > player_stats team_info +

Suppose we would like to save each of these sheets as individual CSV files on the Desktop of our computer.

We can create the following macro to do so:

Sub SaveCSV()

Dim Ws As Worksheet

Dim SaveDir As String

Dim CurrentWorkbook As String

Dim CurrentFormat As Long

CurrentWorkbook = ThisWorkbook.FullName

CurrentFormat = ThisWorkbook.FileFormat

'specify directory to save CSV files in

SaveDir = "C:UsersbobbioneDriveDesktop"

'save each sheet to individual CSV file

For Each Ws In

Application.ActiveWorkbook.Worksheets

Ws.SaveAs SaveDir & Ws.Name, xICSV

Next

Application.DisplayAlerts = False

ThisWorkbook.SaveAs Filename:=CurrentWorkbook,

FileFormat:=CurrentFormat

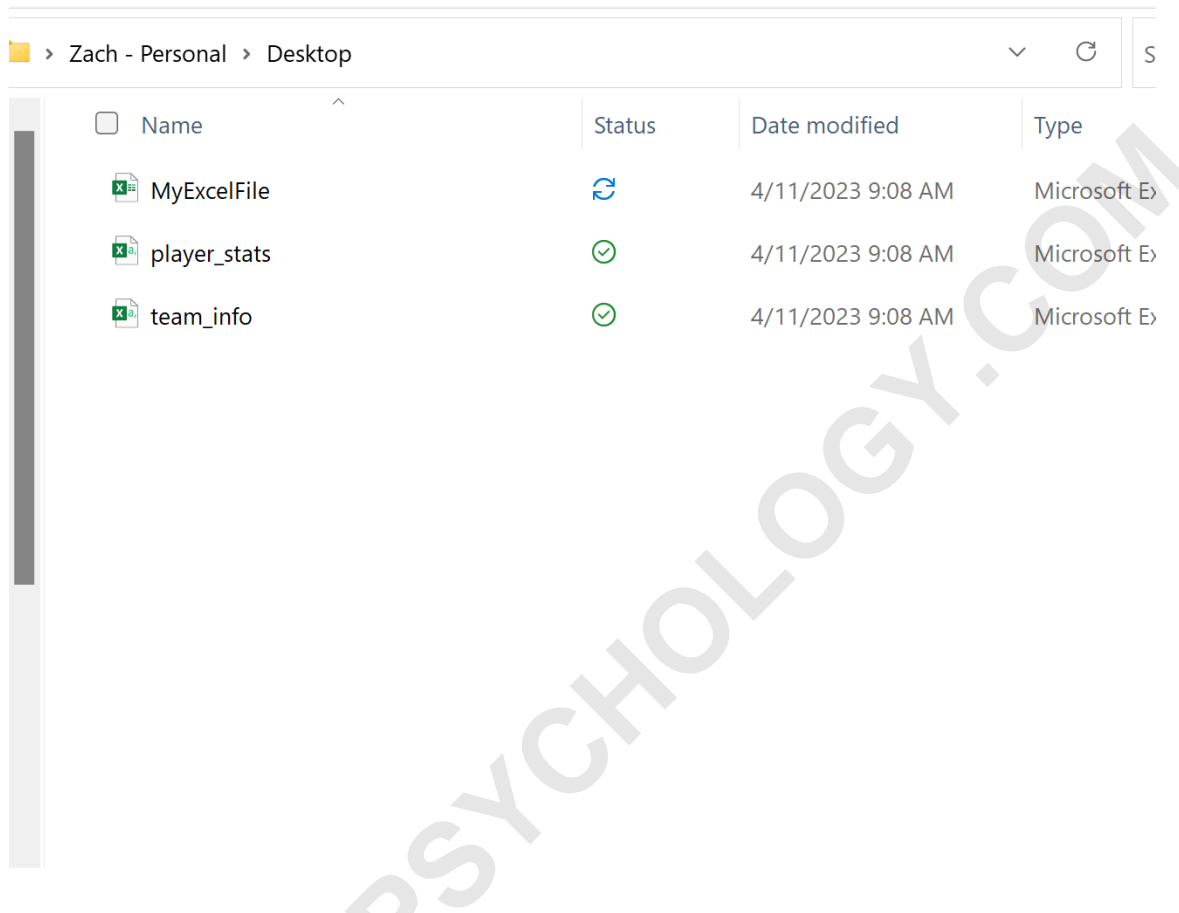
Application.DisplayAlerts = True

End Sub

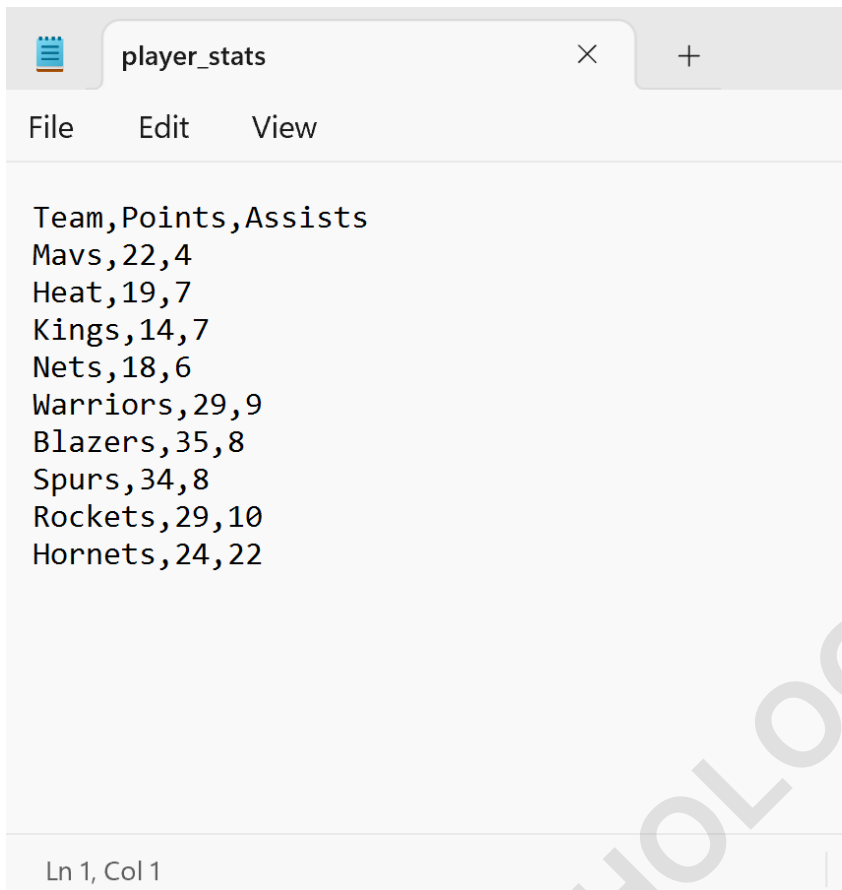
Once we run this macro, each sheet will be saved as a CSV file on our Desktop.

If I navigate to the Desktop on my computer I can see

each of these individual CSV files with file names that match the sheet names:



If I open the player_stats CSV file using Notepad, I can see that the values from the Excel file have been saved as comma-separated values:



```
Team,Points,Assists
Mavs,22,4
Heat,19,7
Kings,14,7
Nets,18,6
Warriors,29,9
Blazers,35,8
Spurs,34,8
Rockets,29,10
Hornets,24,22
```

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Note that in this example we were able to save two sheets in our workbook as individual CSV files, but this same macro will work with any number of sheets.