

How do I export a Pandas DataFrame to Excel?

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Exporting a Pandas DataFrame to Excel is a commonly used process for transferring data from Python to Excel. This process involves converting the Pandas DataFrame into an Excel workbook, which allows for easy manipulation and analysis of the data. To export a Pandas DataFrame to Excel, one can use the "to_excel()" method from the Pandas library. This method allows for customization of the exported file, such as specifying the sheet name and formatting options. By following this method, users can efficiently export their data from a Pandas DataFrame to Excel for further analysis and presentation.

Export a Pandas DataFrame to Excel

Often you may be interested in exporting a pandas DataFrame to Excel. Fortunately this is easy to do using the pandas function.

In order to use this function, you'll need to first install openpyxl so that you're able to write files to Excel:

```
pip install openpyxl
```

This tutorial will explain several examples of how to use this function with the following DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'points': ,  
'assists': ,  
'rebounds': })
```

```
#view DataFrame  
df
```

```
points assists rebounds  
0 25 5 11  
1 12 7 8  
2 15 7 10  
3 14 9 6  
4 19 12 6
```

Example 1: Basic Export

The following code shows how to export the DataFrame to a specific file path and save it as mydata.xlsx:

```
df.to_excel(r'C:\Users\Zach\Desktop\mydata.xlsx')
```

Here's what the actual Excel file looks like:

	A	B	C	D	E	F	G
1		points	assists	rebounds			
2	0	25	5	11			
3	1	12	7	8			
4	2	15	7	10			
5	3	14	9	6			
6	4	19	12	6			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

Example 2: Export without Index

The following code shows how to export the DataFrame to a specific file path and remove the index column:

```
df.to_excel(r'C:\Users\Zach\Desktop\mydata.xlsx',  
index=False)
```

Here's what the actual Excel file looks like:

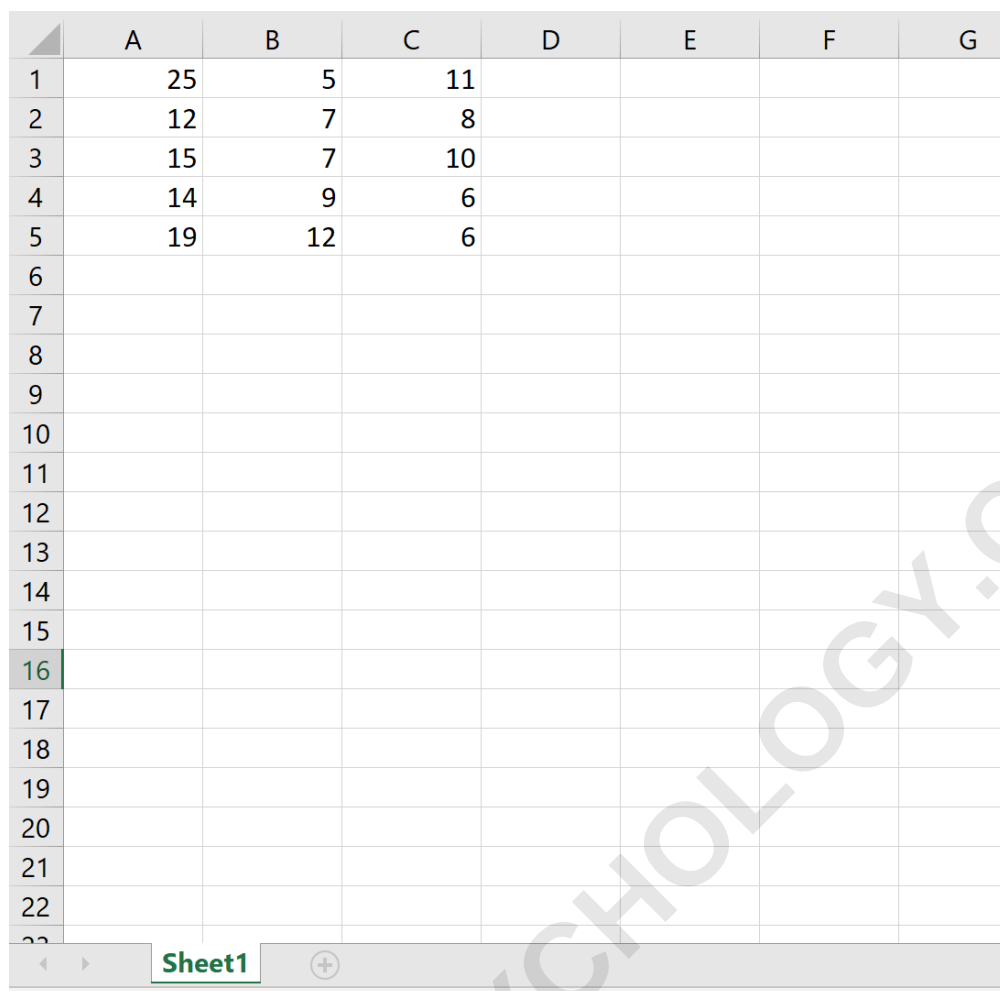
	A	B	C	D	E	F	G
1	points	assists	rebounds				
2	25	5	11				
3	12	7	8				
4	15	7	10				
5	14	9	6				
6	19	12	6				
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

Example 3: Export without Index and Header

The following code shows how to export the DataFrame to a specific file path and remove the index column and the header row:

```
df.to_excel(r'C:\Users\Zach\Desktop\mydata.xlsx',  
index=False, header=False)
```

Here's what the actual Excel file looks like:



	A	B	C	D	E	F	G
1	25	5	11				
2	12	7	8				
3	15	7	10				
4	14	9	6				
5	19	12	6				
6							
7							
8							
9							
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21							
22							
23							

Example 4: Export and Name the Sheet

The following code shows how to export the DataFrame to a specific file path and name the Excel worksheet:

```
df.to_excel(r'C:\Users\Zach\Desktop\mydata.xlsx',  
sheet_name='this_data')
```

Here's what the actual Excel file looks like:

	A	B	C	D	E	F	G
1		points	assists	rebounds			
2	0	25	5	11			
3	1	12	7	8			
4	2	15	7	10			
5	3	14	9	6			
6	4	19	12	6			
7							
8							
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this_data

You can find the complete documentation for the `to_excel()` function .