

# How can I export specific columns from a Pandas DataFrame to a CSV file?

Authored by  
**stats writer**

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## RECOMMENDED CITATION

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Pandas is a popular open-source library in Python used for data analysis and manipulation. One of its functionalities is to export data from a DataFrame into various file formats, such as CSV. To export specific columns from a Pandas DataFrame to a CSV file, one can use the "to\_csv()" method and specify the desired columns using the "columns" parameter. This allows for a more efficient and organized way of exporting data, particularly when dealing with large datasets. By utilizing this feature, users can easily extract and export only the necessary information from a DataFrame, saving time and effort in the data analysis process.

## **Pandas: Export Specific Columns in DataFrame to CSV File**

**You can use the following syntax to export only specific columns from a pandas DataFrame to a CSV file:**

```
df.to_csv('my_data.csv', columns=)
```

**The columns argument tells pandas which specific columns to export from the DataFrame to the CSV file.**

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

**Example: Export Specific Columns from Pandas DataFrame to CSV File**

**Suppose we have the following pandas DataFrame that contains information about various basketball players:**

```
import pandas as pd
```

**#create DataFrame**

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

**#view DataFrame**

```
print(df)
```

```
team points assists rebounds
```

```
0 A 18 5 11
```

```
1 B 22 7 8
```

```
2 C 19 7 10
```

```
3 D 14 9 6
```

```
4 E 14 12 6
```

```
5 F 11 9 5
```

```
6 G 20 9 9
```

```
7 H 28 4 12
```

If we use the `to_csv()` function to export the DataFrame to a CSV file, pandas will export all of the columns by default:

**#export DataFrame to CSV file**

```
df.to_csv('basketball_data.csv')
```

## Here is what the CSV file looks like:

```
1 ,team,points,assists,rebounds
2 0,A,18,5,11
3 1,B,22,7,8
4 2,C,19,7,10
5 3,D,14,9,6
6 4,E,14,12,6
7 5,F,11,9,5
8 6,G,20,9,9
9 7,H,28,4,12
10
```

Notice that all of the columns from the DataFrame are included in the CSV file.

To export only specific columns from the DataFrame to a CSV file, we can use the `columns` argument.

For example, we can use the following syntax to export only the `team` and `rebounds` columns to the CSV file:

**#export only team and rebounds columns from**

## DataFrame to CSV file

```
df.to_csv('basketball_data.csv', columns=)
```

Here is what the CSV file looks like:

```
1 ,team,rebounds
2 0,A,11
3 1,B,8
4 2,C,10
5 3,D,6
6 4,E,6
7 5,F,5
8 6,G,9
9 7,H,12
10
```

**Note:** You can find the complete documentation for the pandas `to_csv()` function .

The following tutorials explain how to perform other common tasks in pandas:

## **How to Export Data to CSV File with No Header in Pandas**

## **How to Merge Multiple CSV Files in Pandas**

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