

How can I export a Pandas DataFrame to a CSV file, and can you provide an example?

Authored by
stats writer

May 1, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I export a Pandas DataFrame to a CSV file, and can you provide an example?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=141569>

Exporting a Pandas DataFrame to a CSV file is a simple and efficient way to save data for later use or share it with others. This can be done by using the "to_csv()" function in Pandas, which allows for easy conversion of a DataFrame into a CSV file. An example of this process would be first importing the necessary libraries, creating a DataFrame, and then using the "to_csv()" function with the desired file name and location to export the data. This will create a CSV file with the DataFrame's data, making it easily accessible for future use.

Export Pandas DataFrame to CSV (With Example)

You can use the following syntax to export a pandas DataFrame to a CSV file:

```
df.to_csv(r'C:\Users\Bob\Desktop\my_data.csv',  
index=False)
```

Note that `index=False` tells Python to drop the index column when exporting the DataFrame. Feel free to drop this argument if you'd like to keep the index column.

The following step-by-step example shows how to use this function in practice.

Step 1: Create the Pandas DataFrame

First, let's create a pandas 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
```

```
5 23 9 5
```

Step 2: Export the DataFrame to CSV File

Next, let's export the DataFrame to a CSV file:

#export DataFrame to CSV file

```
df.to_csv(r'C:\Users\Bob\Desktop\my_data.csv',  
index=False)
```

Step 3: View the CSV File

Lastly, we can navigate to the location where we exported the CSV file and view it:

points,assists,rebounds

25,5,11

12,7,8

15,7,10

14,9,6

19,12,6

23,9,5

Notice that the index column is not in the file since we specified `index=False`.

Also notice that the headers are in the file since the default argument in the `to_csv()` function is `headers=True`.

Just for fun, here's what the CSV file would look like if we had left out the `index=False` argument:

,points,assists,rebounds

0,25,5,11

1,12,7,8

2,15,7,10

3,14,9,6

4,19,12,6

5,23,9,5

How to Export NumPy Array to CSV File

ARABPSYCHOLOGY.COM