

# Pandas DataFrame write to\_html

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In this post we will create a Pandas DataFrame and export to HTML using Pandas DataFrame write to\_html functionality, we will use bootstrap css for styling and will finally open the HTML in a browser

To begin with lets create some sample data for the Pandas DataFrame

```
import pandas as pd
import numpy as np
import random
import webbrowser
import os

# Lets create the DataFrame
regionCountry = {"AMR":["USA","Canada"],"EUROPE":["Austria","Belgium"]}
cars = ["Audi","BMW","Mercedes"]
weeks = ["WK_1","WK_2","WK_3"]
salesData = []
for region,countries in regionCountry.items():
    for country in countries:
        for car in cars:
            for week in weeks:
                salesRecord =
{"region":region,"country":country,"car":car,"week":week}
                salesRecord["Sales_unit"] = random.randint(100,2000)
                salesData.append(salesRecord)

df = pd.DataFrame(salesData)
df1 = pd.pivot_table(df,index=["region","country","car"],columns =
["week"],aggfunc=np.sum)
display(df1)
```

			Sales_unit				
			week	WK_1	WK_2	WK_3	
region	country	car					
AMR	Canada	Audi	279	1245	440		
		BMW	771	1547	549		
		Mercedes	1056	211	968		
	USA	Audi	1260	1882	906		
		BMW	1843	897	979		
		Mercedes	1770	1973	1305		
	EUROPE	Austria	Audi	1999	1123	1607	
			BMW	237	1863	1916	
			Mercedes	875	1467	1670	
Belgium		Audi	829	145	1646		
		BMW	309	1141	1245		
		Mercedes	1501	347	253		

*Using display to view the DataFrame*

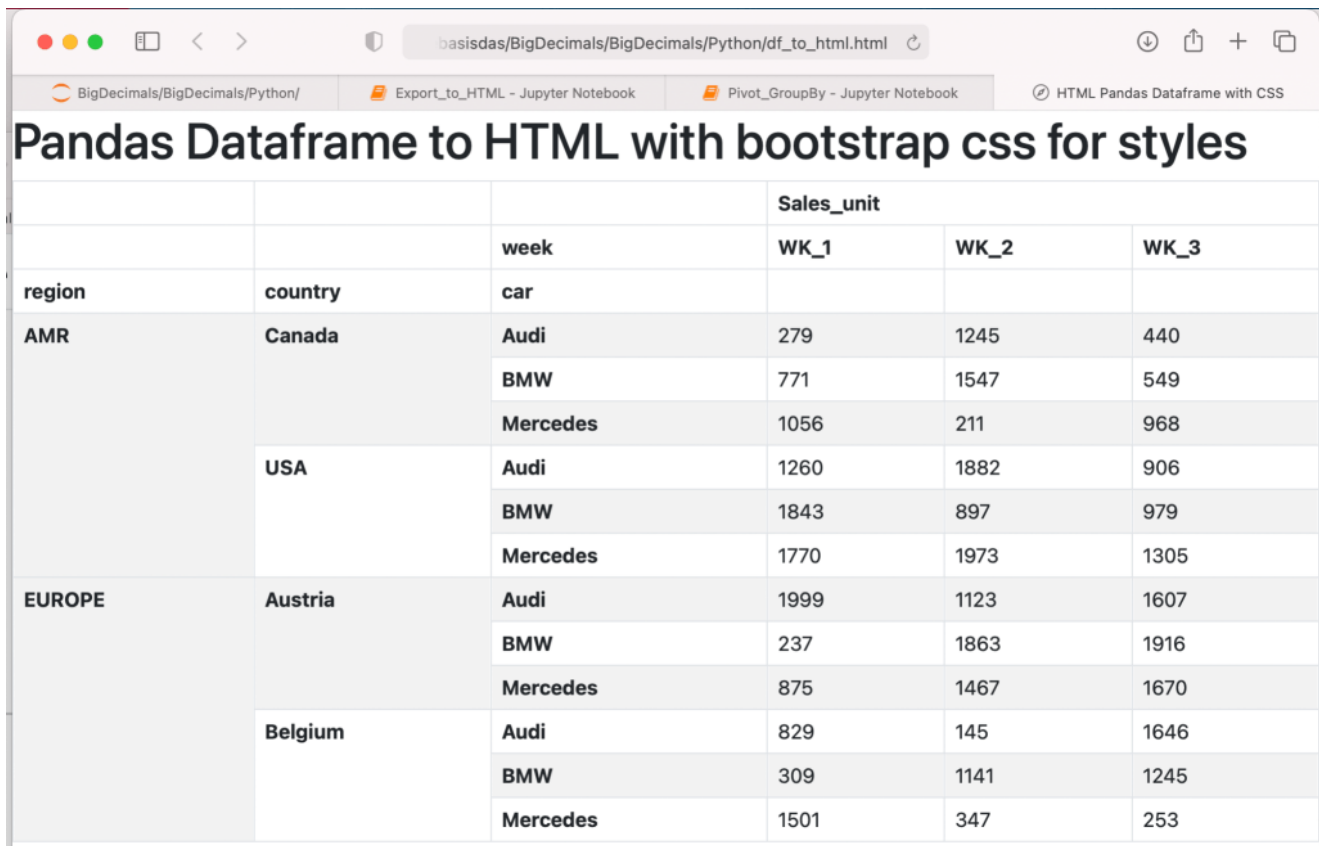
Now that we have the data frame created, lets convert the same to a html

```

html_data = df1.to_html(classes = 'table table-striped table-bordered')
fileName = 'df_to_html.html'
fileIndex = open(fileName, 'w')
html_string = '''
<html>
<head>
<title> HTML Pandas Dataframe with CSS</title>
<!-- CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6D0itfPri4tjfhXaWutUpFmBp4vmVor"
crossorigin="anonymous">
</head>
<body>
<h1>Pandas Dataframe to HTML with bootstrap css for styles</h1>
{tableData}
</body>
</html>
'''

fileIndex.write(html_string.format(tableData=html_data))
fileIndex.close()
fullPath_fileName = 'file:///'+os.getcwd()+ '/' + fileName
webbrowser.open_new_tab(fullPath_fileName)

```



			Sales_unit		
		week	WK_1	WK_2	WK_3
AMR	Canada	Audi	279	1245	440
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	USA	Audi	1260	1882	906
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		BMW	237	1863	1916
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		BMW	309	1141	1245
		Mercedes	1501	347	253

*The exported html is now opened in the browser*