

citydata_to_html

October 9, 2019

0.0.1 Pandas routine to convert CSV file to HTML for use as a Table

```
[1]: import pandas as pd

[2]: # Retrieve city name and location from cities.csv file
city_df = pd.read_csv("../Resources/cities.csv")
city_df.head()

[2]:
```

	City_ID	City	Cloudiness	Country	Date	Humidity	Lat	\
0	0	jacareacanga	0	BR	1528902000	62	-6.22	
1	1	kaitangata	100	NZ	1528905304	94	-46.28	
2	2	goulburn	20	AU	1528905078	91	-34.75	
3	3	lata	76	IN	1528905305	89	30.78	
4	4	chokurdakh	0	RU	1528905306	88	70.62	

	Lng	Max Temp	Wind Speed
0	-57.76	89.60	6.93
1	169.85	42.61	5.64
2	149.72	44.32	10.11
3	78.62	59.89	0.94
4	147.90	32.17	2.95

```
[4]: # Now convert dataframe to HTML formatted table using built-in routine
city_table_HTML = city_df.to_html(columns=["City", "Lat", "Lng", "Cloudiness", "Humidity", "Max Temp", "Wind Speed"])
html = city_table_HTML
print(html[0:500])
```

```
<table border="1" class="dataframe">
  <thead>
    <tr style="text-align: right;">
      <th></th>
      <th>City</th>
      <th>Lat</th>
      <th>Lng</th>
      <th>Cloudiness</th>
      <th>Humidity</th>
      <th>Max Temp</th>
```

```

        <th>Wind Speed</th>
    </tr>
</thead>
<tbody>
    <tr>
        <th>0</th>
        <td>jacareacanga</td>
        <td>-6.22</td>
        <td>-57.76</td>
        <td>0</td>
        <td>62</td>
        <td>89.60</td>
        <td>6.93</td>
    </tr>
    <tr>
        <th>1</th>

```

```

[5]: # Store table data as an HTML file to use in our Web page
     # Write HTML String to table_data.html
     with open("table_data.html", "w") as file:
         file.write(html)

```