

# Daniel Mehta

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In [1]: import requests
        from bs4 import BeautifulSoup
        import pandas as pd
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In [6]: #Imports the HTML into python
        url = 'https://www.nfl.com/standings/league/2019/reg/'
        response = requests.get(url)
        html_content = response.text
```

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In [ ]:
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In [13]: #Subsets the HTML to only get the HTML of our table needed
        soup = BeautifulSoup(html_content, 'html.parser')
        table = soup.find('table', class_='d3-o-table')
```

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In [ ]:
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In [16]: #Gets all the column headers of our table
        headers = []

        for th in table.find('thead').find_all('th'):
            header_text = th.text.strip()
            headers.append(header_text)

        print(headers)

['NFL Team', 'W', 'L', 'T', 'PCT', 'PF', 'PA', 'Net Pts', 'Home', 'Road', 'Div', 'Pct', 'Conf', 'Pct', 'Non-Conf', 'Strk', 'Last 5']
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In [ ]:
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In [17]: #Creates a dataframe using the column headers from our table
        df = pd.DataFrame(columns=headers)

        df.head()
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Out[17]:  NFL Team  W  L  T  PCT  PF  PA  Net Pts  Home  Road  Div  Pct  Conf  Pct  Non-Conf  Strk  Last 5
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In [ ]:
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In [19]: #gets all our data within the table and adds it to our dataframe
rows = table.find('tbody').find_all('tr')

for row in rows:
    cells = row.find_all('td')
    row_data = [cell.get_text(strip=True) for cell in cells]

    df.loc[len(df)] = row_data
```

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In [21]: df.head(10)
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Out[21]:

	NFL Team	W	L	T	PCT	PF	PA	Net Pts	Home	Road	Div	Pct	Conf	Pct	Non-Conf	Strk	Last 5
0	Cincinnati BengalsBengals	2	14	0	0.125	279	420	-141	2 - 6 - 0	0 - 8 - 0	1 - 5 - 0	0.167	2 - 10 - 0	0.167	0 - 4 - 0	1W	2 - 3 - 0
1	Detroit LionsLions	3	12	1	0.219	341	423	-82	2 - 6 - 0	1 - 6 - 1	0 - 6 - 0	0.000	2 - 9 - 1	0.208	1 - 3 - 0	9L	0 - 5 - 0
2	Washington CommandersRedskins	3	13	0	0.188	266	435	-169	1 - 7 - 0	2 - 6 - 0	0 - 6 - 0	0.000	2 - 10 - 0	0.167	1 - 3 - 0	4L	1 - 4 - 0
3	New York GiantsGiants	4	12	0	0.250	341	451	-110	2 - 6 - 0	2 - 6 - 0	2 - 4 - 0	0.333	3 - 9 - 0	0.250	1 - 3 - 0	1L	2 - 3 - 0
4	Arizona CardinalsCardinals	5	10	1	0.344	361	442	-81	2 - 5 - 1	3 - 5 - 0	1 - 5 - 0	0.167	3 - 8 - 1	0.292	2 - 2 - 0	1L	2 - 3 - 0
5	Carolina PanthersPanthers	5	11	0	0.313	340	470	-130	2 - 6 - 0	3 - 5 - 0	1 - 5 - 0	0.167	2 - 10 - 0	0.167	3 - 1 - 0	8L	0 - 5 - 0
6	Los Angeles ChargersChargers	5	11	0	0.313	337	345	-8	2 - 6 - 0	3 - 5 - 0	0 - 6 - 0	0.000	3 - 9 - 0	0.250	2 - 2 - 0	3L	1 - 4 - 0
7	Miami DolphinsDolphins	5	11	0	0.313	306	494	-188	3 - 5 - 0	2 - 6 - 0	2 - 4 - 0	0.333	4 - 8 - 0	0.333	1 - 3 - 0	2W	3 - 2 - 0
8	Cleveland BrownsBrowns	6	10	0	0.375	335	393	-58	4 - 4 - 0	2 - 6 - 0	3 - 3 - 0	0.500	6 - 6 - 0	0.500	0 - 4 - 0	3L	1 - 4 - 0
9	Jacksonville JaguarsJaguars	6	10	0	0.375	300	397	-97	3 - 5 - 0	3 - 5 - 0	2 - 4 - 0	0.333	6 - 6 - 0	0.500	0 - 4 - 0	1W	2 - 3 - 0

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In [ ]:
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