Tesla Revenue Data Using Webscraping

May 23, 2025

```
[1]: !pip install requests beautifulsoup4
```

```
Defaulting to user installation because normal site-packages is not writeable
Looking in links: /usr/share/pip-wheels
Requirement already satisfied: requests in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (2.31.0)
Requirement already satisfied: beautifulsoup4 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (4.12.2)
Requirement already satisfied: charset-normalizer<4,>=2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests) (2024.2.2)
Requirement already satisfied: soupsieve>1.2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
beautifulsoup4) (2.5)
```

```
[2]: import pandas as p
     import requests
     from bs4 import BeautifulSoup
```

```
[7]: url="https://www.macrotrends.net/stocks/charts/TSLA/tesla/revenue"
```

```
[10]: page=requests.get(url)
      soup=BeautifulSoup(page.text,'html')
      soup.find_all('table')[1]
```

```
[ ]: tables=soup.find('table',class_="historical_data_table")
```

```
data[]
for row in tables[1].find_all("tr")[1:]:
    cols=row.find_all("td")
    if len(cols)==2:
        date=cols[0].text.strip()
        revenue=cols[1].text.strip().replace('$','').replace(',','')
```

```
try:
    revenue=float(revenue)
    data.append({"Date":date,"Revenue":revenue})
except ValueError:
    continue
```

```
df=pd.Dataframe(data)
print(df.tail())
```