

Extract tesla data yf

May 23, 2025

```
[3]: !pip install yfinance
```

```
Defaulting to user installation because normal site-packages is not writeable
Looking in links: /usr/share/pip-wheels
Requirement already satisfied: yfinance in ~/.local/lib/python3.10/site-packages
(0.2.61)
Requirement already satisfied: pandas>=1.3.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.1.4)
Requirement already satisfied: numpy>=1.16.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (1.26.4)
Requirement already satisfied: requests>=2.31 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.31.0)
Requirement already satisfied: multitasking>=0.0.7 in
~/.local/lib/python3.10/site-packages (from yfinance) (0.0.11)
Requirement already satisfied: platformdirs>=2.0.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.5.2)
Requirement already satisfied: pytz>=2022.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2023.3.post1)
Requirement already satisfied: frozendict>=2.3.4 in
~/.local/lib/python3.10/site-packages (from yfinance) (2.4.6)
Requirement already satisfied: peewee>=3.16.2 in ~/.local/lib/python3.10/site-
packages (from yfinance) (3.18.1)
Requirement already satisfied: beautifulsoup4>=4.11.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (4.12.2)
Requirement already satisfied: curl_cffi>=0.7 in ~/.local/lib/python3.10/site-
packages (from yfinance) (0.11.1)
Requirement already satisfied: protobuf>=3.19.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (3.20.3)
Requirement already satisfied: websockets>=13.0 in ~/.local/lib/python3.10/site-
packages (from yfinance) (15.0.1)
Requirement already satisfied: soupsieve>1.2 in
```

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/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
beautifulsoup4>=4.11.1->yfinance) (2.5)
Requirement already satisfied: cffi>=1.12.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
curl_cffi>=0.7->yfinance) (1.16.0)
Requirement already satisfied: certifi>=2024.2.2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
curl_cffi>=0.7->yfinance) (2024.2.2)
Requirement already satisfied: python-dateutil>=2.8.2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
pandas>=1.3.0->yfinance) (2.8.2)
Requirement already satisfied: tzdata>=2022.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
pandas>=1.3.0->yfinance) (2023.3)
Requirement already satisfied: charset-normalizer<4,>=2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests>=2.31->yfinance) (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>=2.31->yfinance) (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>=2.31->yfinance) (2.0.7)
Requirement already satisfied: pycparser in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
cffi>=1.12.0->curl_cffi>=0.7->yfinance) (2.21)
Requirement already satisfied: six>=1.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
python-dateutil>=2.8.2->pandas>=1.3.0->yfinance) (1.16.0)

```

```
[5]: import yfinance as yf
```

```
[6]: tesla=yf.Ticker('TSLA')
```

```
[7]: tesla_data=tesla.history(period="max")
tesla_data.head()
```

```
[7]:
```

| | Open | High | Low | Close | Volume \ |
|---------------------------|----------|----------|----------|----------|-----------|
| Date | | | | | |
| 2010-06-29 00:00:00-04:00 | 1.266667 | 1.666667 | 1.169333 | 1.592667 | 281494500 |
| 2010-06-30 00:00:00-04:00 | 1.719333 | 2.028000 | 1.553333 | 1.588667 | 257806500 |
| 2010-07-01 00:00:00-04:00 | 1.666667 | 1.728000 | 1.351333 | 1.464000 | 123282000 |
| 2010-07-02 00:00:00-04:00 | 1.533333 | 1.540000 | 1.247333 | 1.280000 | 77097000 |
| 2010-07-06 00:00:00-04:00 | 1.333333 | 1.333333 | 1.055333 | 1.074000 | 103003500 |

| | Dividends | Stock Splits |
|------|-----------|--------------|
| Date | | |

| | | |
|---------------------------|-----|-----|
| 2010-06-29 00:00:00-04:00 | 0.0 | 0.0 |
| 2010-06-30 00:00:00-04:00 | 0.0 | 0.0 |
| 2010-07-01 00:00:00-04:00 | 0.0 | 0.0 |
| 2010-07-02 00:00:00-04:00 | 0.0 | 0.0 |
| 2010-07-06 00:00:00-04:00 | 0.0 | 0.0 |

```
[8]: %history -f Extract_tesla.py
```

```
[ ]:
```