

yahoo finance scraping

June 22, 2021

```
[23]: !pip install plotly
      !pip install yfinance
```

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Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: plotly in ~/.local/lib/python3.6/site-packages
(5.0.0)
Requirement already satisfied: tenacity>=6.2.0 in ~/.local/lib/python3.6/site-
packages (from plotly) (7.0.0)
Requirement already satisfied: six in /usr/lib/python3/dist-packages (from
plotly) (1.11.0)
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: yfinance in ~/.local/lib/python3.6/site-packages
(0.1.59)
Requirement already satisfied: requests>=2.20 in ~/.local/lib/python3.6/site-
packages (from yfinance) (2.25.1)
Requirement already satisfied: multitasking>=0.0.7 in
./~/.local/lib/python3.6/site-packages (from yfinance) (0.0.9)
Requirement already satisfied: lxml>=4.5.1 in ~/.local/lib/python3.6/site-
packages (from yfinance) (4.6.3)
Requirement already satisfied: numpy>=1.15 in ~/.local/lib/python3.6/site-
packages (from yfinance) (1.19.5)
Requirement already satisfied: pandas>=0.24 in ~/.local/lib/python3.6/site-
packages (from yfinance) (1.1.5)
Requirement already satisfied: pytz>=2017.2 in ~/.local/lib/python3.6/site-
packages (from pandas>=0.24->yfinance) (2021.1)
Requirement already satisfied: python-dateutil>=2.7.3 in
./~/.local/lib/python3.6/site-packages (from pandas>=0.24->yfinance) (2.8.1)
Requirement already satisfied: six>=1.5 in /usr/lib/python3/dist-packages (from
python-dateutil>=2.7.3->pandas>=0.24->yfinance) (1.11.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/lib/python3/dist-
packages (from requests>=2.20->yfinance) (2018.1.18)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/lib/python3/dist-
packages (from requests>=2.20->yfinance) (1.22)
Requirement already satisfied: chardet<5,>=3.0.2 in /usr/lib/python3/dist-
packages (from requests>=2.20->yfinance) (3.0.4)
Requirement already satisfied: idna<3,>=2.5 in /usr/lib/python3/dist-packages
(from requests>=2.20->yfinance) (2.6)
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[24]: import plotly.graph_objs as graph
import yfinance as yahoo
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[25]: name = yahoo.Ticker("INFY.NS")
data = name.history()
data
```

```
[25]:
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	Open	High	Low	Close	Volume \
Date					
2021-05-24	1342.166734	1348.448918	1330.739990	1333.658569	4225371
2021-05-25	1343.502300	1353.395542	1339.990150	1347.063843	4099340
2021-05-26	1353.296611	1385.053894	1347.509088	1382.333252	6850024
2021-05-27	1389.209041	1401.130447	1376.842488	1387.279907	15365391
2021-05-28	1394.699824	1398.904452	1381.195525	1390.050049	4261312
2021-05-31	1401.500000	1401.500000	1383.000000	1393.750000	4429904
2021-06-01	1400.000000	1401.000000	1378.650024	1387.199951	4791325
2021-06-02	1380.750000	1391.949951	1365.000000	1378.650024	9272276
2021-06-03	1388.099976	1399.000000	1377.050049	1389.650024	5115645
2021-06-04	1393.949951	1396.900024	1377.650024	1385.650024	4194328
2021-06-07	1391.000000	1392.000000	1377.300049	1389.650024	5154576
2021-06-08	1396.000000	1421.750000	1395.550049	1412.949951	7360630
2021-06-09	1413.400024	1425.000000	1404.599976	1415.300049	5394317
2021-06-10	1424.000000	1429.000000	1419.000000	1424.300049	3496575
2021-06-11	1430.099976	1451.599976	1429.449951	1446.900024	6140828
2021-06-14	1471.000000	1477.000000	1453.449951	1461.800049	7132294
2021-06-15	1464.000000	1476.000000	1463.000000	1473.900024	5403104
2021-06-16	1472.699951	1489.449951	1467.500000	1480.599976	7661710
2021-06-17	1475.099976	1502.650024	1475.099976	1495.300049	7677951
2021-06-18	1509.000000	1515.800049	1487.400024	1503.300049	13533974
2021-06-21	1493.000000	1505.800049	1484.199951	1500.300049	5454052
2021-06-22	1509.699951	1521.449951	1502.099976	1511.849976	6426864

	Dividends	Stock Splits
Date		
2021-05-24	0.0	0
2021-05-25	0.0	0
2021-05-26	0.0	0
2021-05-27	0.0	0
2021-05-28	0.0	0
2021-05-31	15.0	0
2021-06-01	0.0	0
2021-06-02	0.0	0
2021-06-03	0.0	0
2021-06-04	0.0	0
2021-06-07	0.0	0
2021-06-08	0.0	0
2021-06-09	0.0	0

2021-06-10	0.0	0
2021-06-11	0.0	0
2021-06-14	0.0	0
2021-06-15	0.0	0
2021-06-16	0.0	0
2021-06-17	0.0	0
2021-06-18	0.0	0
2021-06-21	0.0	0
2021-06-22	0.0	0

```
[26]: f=graph.Figure()
```

```
[27]: f.update_layout(title = 'TIME vs PRICE graph', yaxis_title = 'PRICE',
↪xaxis_title='TIME')
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[28]: f.add_trace(graph.Candlestick(x=data.index,open = data['Open'], high =
↪data['High'], low = data['Low'], close = data['Close']))
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