

Extracting and Visualizing Stock Data

Description

Extracting essential data from a dataset and displaying it is a necessary part of data science; therefore individuals can make correct decisions based on the data. In this assignment, you will extract some stock data, you will then display this data in a graph.

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Estimated Time Needed: 30 min

Note:- If you are working Locally using anaconda, please uncomment the following code and execute it. Use the version as per your python version.

```
In [1]: !pip install yfinance
    !pip install bs4
    !pip install nbformat
    !pip install --upgrade plotly
```

```
Collecting vfinance
 Downloading yfinance-0.2.64-py2.py3-none-any.whl.metadata (5.8 kB)
Collecting pandas>=1.3.0 (from yfinance)
 Downloading pandas-2.3.0-cp312-cp312-manylinux 2 17 x86 64.manylinux2014 x86 64.whl.metadata (91 kB)
Collecting numpv>=1.16.5 (from vfinance)
 Downloading numpy-2.3.1-cp312-cp312-manylinux 2 28 x86 64.whl.metadata (62 kB)
Requirement already satisfied: requests>=2.31 in /opt/conda/lib/python3.12/site-packages (from yfinance) (2.32.3)
Collecting multitasking>=0.0.7 (from vfinance)
 Downloading multitasking-0.0.11-py3-none-any.whl.metadata (5.5 kB)
Requirement already satisfied: platformdirs>=2.0.0 in /opt/conda/lib/python3.12/site-packages (from yfinance) (4.3.6)
Requirement already satisfied: pytz>=2022.5 in /opt/conda/lib/python3.12/site-packages (from yfinance) (2024.2)
Requirement already satisfied: frozendict>=2.3.4 in /opt/conda/lib/python3.12/site-packages (from yfinance) (2.4.6)
Collecting peewee>=3.16.2 (from yfinance)
 Downloading peewee-3.18.1.tar.gz (3.0 MB)
                                           -- 3.0/3.0 MB 114.3 MB/s eta 0:00:00
 Installing build dependencies ... one
 Getting requirements to build wheel ... done
 Preparing metadata (pyproject.toml) ... done
Requirement already satisfied: beautifulsoup4>=4.11.1 in /opt/conda/lib/python3.12/site-packages (from vfinance) (4.12.3)
Collecting curl cffi>=0.7 (from vfinance)
 Downloading curl cffi-0.11.4-cp39-abi3-manylinux 2 17 x86 64.manylinux2014 x86 64.whl.metadata (14 kB)
Collecting protobuf>=3.19.0 (from yfinance)
 Downloading protobuf-6.31.1-cp39-abi3-manylinux2014 x86 64.whl.metadata (593 bytes)
Collecting websockets>=13.0 (from yfinance)
 Downloading websockets-15.0.1-cp312-cp312-manylinux 2 5 x86 64.manylinux1 x86 64.manylinux 2 17 x86 64.manylinux2014 x86 64.whl.metadata (6.8 kB)
Requirement already satisfied: soupsieve>1.2 in /opt/conda/lib/pvthon3.12/site-packages (from beautifulsoup4>=4.11.1->vfinance) (2.5)
Requirement already satisfied: cffi>=1.12.0 in /opt/conda/lib/python3.12/site-packages (from curl cffi>=0.7->yfinance) (1.17.1)
Requirement already satisfied: certifi>=2024.2.2 in /opt/conda/lib/python3.12/site-packages (from curl cffi>=0.7->yfinance) (2024.12.14)
Requirement already satisfied: python-dateutil>=2.8.2 in /opt/conda/lib/python3.12/site-packages (from pandas>=1.3.0->yfinance) (2.9.0.post0)
Collecting tzdata>=2022.7 (from pandas>=1.3.0->yfinance)
 Downloading tzdata-2025.2-py2.py3-none-any.whl.metadata (1.4 kB)
Requirement already satisfied: charset normalizer<4,>=2 in /opt/conda/lib/python3.12/site-packages (from requests>=2.31->yfinance) (3.4.1)
Requirement already satisfied: idna<4,>=2.5 in /opt/conda/lib/python3.12/site-packages (from requests>=2.31->yfinance) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /opt/conda/lib/python3.12/site-packages (from requests>=2.31->yfinance) (2.3.0)
Requirement already satisfied: pycparser in /opt/conda/lib/python3.12/site-packages (from cffi>=1.12.0->curl cffi>=0.7->yfinance) (2.22)
Requirement already satisfied: six>=1.5 in /opt/conda/lib/python3.12/site-packages (from python-dateutil>=2.8.2->pandas>=1.3.0->yfinance) (1.17.0)
Downloading yfinance-0.2.64-py2.py3-none-any.whl (119 kB)
Downloading curl cffi-0.11.4-cp39-abi3-manylinux 2 17 x86 64.manylinux2014 x86 64.whl (8.5 MB)
                                        --- 8.5/8.5 MB 165.9 MB/s eta 0:00:00
Downloading multitasking-0.0.11-py3-none-any.whl (8.5 kB)
Downloading numpy-2.3.1-cp312-cp312-manylinux 2 28 x86 64.whl (16.6 MB)
                                         -- 16.6/16.6 MB 183.2 MB/s eta 0:00:00
Downloading pandas-2.3.0-cp312-cp312-manylinux 2 17 x86 64.manylinux2014 x86 64.whl (12.0 MB)
                                         -- 12.0/12.0 MB 175.9 MB/s eta 0:00:00
Downloading protobuf-6.31.1-cp39-abi3-manylinux2014 x86 64.whl (321 kB)
Downloading websockets-15.0.1-cp312-cp312-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux_2_17_x86_64.manylinux2014_x86_64.whl (182 kB)
Downloading tzdata-2025.2-py2.py3-none-any.whl (347 kB)
Building wheels for collected packages: peewee
 Building wheel for peewee (pyproject.toml) ... one
 Created wheel for peewee: filename=peewee-3.18.1-cp312-cp312-linux_x86_64.whl size=303801 sha256=bbbb6f028e710710416f5e623f49f22b162a188e4bfea0c6610f87cc2b6
```

```
56606
          Stored in directory: /home/jupyterlab/.cache/pip/wheels/1a/57/6a/bb71346381d0d911cd4ce3026f1fa720da76707e4f01cf27dd
        Successfully built peewee
        Installing collected packages: peewee, multitasking, websockets, tzdata, protobuf, numpy, pandas, curl cffi, vfinance
        Successfully installed curl cffi-0.11.4 multitasking-0.0.11 numpy-2.3.1 pandas-2.3.0 peewee-3.18.1 protobuf-6.31.1 tzdata-2025.2 websockets-15.0.1 vfinance-0.
        2.64
        Collecting bs4
          Downloading bs4-0.0.2-py2.py3-none-any.whl.metadata (411 bytes)
        Requirement already satisfied: beautifulsoup4 in /opt/conda/lib/python3.12/site-packages (from bs4) (4.12.3)
        Requirement already satisfied: soupsieve>1.2 in /opt/conda/lib/python3.12/site-packages (from beautifulsoup4->bs4) (2.5)
        Downloading bs4-0.0.2-py2.py3-none-any.whl (1.2 kB)
        Installing collected packages: bs4
        Successfully installed bs4-0.0.2
        Requirement already satisfied: nbformat in /opt/conda/lib/python3.12/site-packages (5.10.4)
        Requirement already satisfied: fastjsonschema>=2.15 in /opt/conda/lib/python3.12/site-packages (from nbformat) (2.21.1)
        Requirement already satisfied: isonschema>=2.6 in /opt/conda/lib/python3.12/site-packages (from nbformat) (4.23.0)
        Requirement already satisfied: jupyter-core!=5.0.*,>=4.12 in /opt/conda/lib/python3.12/site-packages (from nbformat) (5.7.2)
        Requirement already satisfied: traitlets>=5.1 in /opt/conda/lib/python3.12/site-packages (from nbformat) (5.14.3)
        Requirement already satisfied: attrs>=22.2.0 in /opt/conda/lib/python3.12/site-packages (from isonschema>=2.6->nbformat) (25.1.0)
        Requirement already satisfied: jsonschema-specifications>=2023.03.6 in /opt/conda/lib/python3.12/site-packages (from jsonschema>=2.6->nbformat) (2024.10.1)
        Requirement already satisfied: referencing>=0.28.4 in /opt/conda/lib/python3.12/site-packages (from jsonschema>=2.6->nbformat) (0.36.2)
        Requirement already satisfied: rpds-py>=0.7.1 in /opt/conda/lib/python3.12/site-packages (from jsonschema>=2.6->nbformat) (0.22.3)
        Requirement already satisfied: platformdirs>=2.5 in /opt/conda/lib/python3.12/site-packages (from jupyter-core!=5.0.*,>=4.12->nbformat) (4.3.6)
        Requirement already satisfied: typing-extensions>=4.4.0 in /opt/conda/lib/python3.12/site-packages (from referencing>=0.28.4->jsonschema>=2.6->nbformat) (4.1
        2.2)
        Requirement already satisfied: plotly in /opt/conda/lib/python3.12/site-packages (5.24.1)
        Collecting plotly
          Downloading plotly-6.2.0-py3-none-any.whl.metadata (8.5 kB)
        Collecting narwhals>=1.15.1 (from plotly)
          Downloading narwhals-1.45.0-py3-none-any.whl.metadata (11 kB)
        Requirement already satisfied: packaging in /opt/conda/lib/python3.12/site-packages (from plotly) (24.2)
        Downloading plotly-6.2.0-py3-none-any.whl (9.6 MB)
                                                  - 9.6/9.6 MB 163.0 MB/s eta 0:00:00
        Downloading narwhals-1.45.0-py3-none-any.whl (371 kB)
        Installing collected packages: narwhals, plotly
          Attempting uninstall: plotly
            Found existing installation: plotly 5.24.1
            Uninstalling plotly-5.24.1:
              Successfully uninstalled plotly-5.24.1
        Successfully installed narwhals-1.45.0 plotly-6.2.0
In [15]:
             import yfinance as yf
             import pandas as pd
             import requests
             from bs4 import BeautifulSoup
             import plotly.graph objects as go
              from plotly.subplots import make subplots
```

```
In [16]: import plotly.io as pio
    pio.renderers.default = "iframe"

In Python, you can ignore warnings using the warnings module. You can use the filterwarnings function to filter or ignore specific warning messages or categories.

In [17]: import warnings
# Ignore all warnings
warnings.filterwarnings("ignore", category=FutureWarning)
```

Define Graphing Function

In this section, we define the function <code>make_graph</code> . You don't have to know how the function works, you should only care about the inputs. It takes a dataframe with stock data (dataframe must contain Date and Close columns), a dataframe with revenue data (dataframe must contain Date and Revenue columns), and the name of the stock.

```
In [18]: def make graph(stock data, revenue data, stock):
             fig = make subplots(rows=2, cols=1, shared xaxes=True, subplot titles=("Historical Share Price", "Historical Revenue"), vertical spacing = .3)
             stock data specific = stock data[stock data.Date <= '2021-06-14']</pre>
             revenue data specific = revenue data[revenue data.Date <= '2021-04-30']
             fig.add trace(go.Scatter(x=pd.to datetime(stock data specific.Date, infer datetime format=True), y=stock data specific.Close.astype("float"), name="Share
             fig.add_trace(go.Scatter(x=pd.to_datetime(revenue_data_specific.Date, infer_datetime_format=True), y=revenue_data_specific.Revenue.astype("float"), name=
             fig.update xaxes(title text="Date", row=1, col=1)
             fig.update xaxes(title text="Date", row=2, col=1)
             fig.update yaxes(title text="Price ($US)", row=1, col=1)
             fig.update yaxes(title text="Revenue ($US Millions)", row=2, col=1)
             fig.update_layout(showlegend=False,
             height=900,
             title=stock,
             xaxis_rangeslider_visible=True)
             fig.show()
             from IPython.display import display, HTML
             fig_html = fig.to_html()
             display(HTML(fig_html))
```

Use the make graph function that we've already defined. You'll need to invoke it in questions 5 and 6 to display the graphs and create the dashboard.

Note: You don't need to redefine the function for plotting graphs anywhere else in this notebook; just use the existing function.

Question 1: Use yfinance to Extract Stock Data

Using the Ticker function enter the ticker symbol of the stock we want to extract data on to create a ticker object. The stock is Tesla and its ticker symbol is TSLA.

In [19]: # use of ticker function for extrating data
tsle = yf.Ticker("TSLA")

Using the ticker object and the function history extract stock information and save it in a dataframe named tesla_data. Set the period parameter to "max" so we get information for the maximum amount of time.

In [20]: #use of history and period

tesla_data = tsle.history(period="max")

Reset the index using the reset_index(inplace=True) function on the tesla_data DataFrame and display the first five rows of the tesla_data dataframe using the head function. Take a screenshot of the results and code from the beginning of Question 1 to the results below.

In [21]: # use of reset index

tesla_data.reset_index(inplace=True)

tesla_data.head() #view the data

Out[21]:

•		Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
	0	2010-06-29 00:00:00-04:00	1.266667	1.666667	1.169333	1.592667	281494500	0.0	0.0
	1	2010-06-30 00:00:00-04:00	1.719333	2.028000	1.553333	1.588667	257806500	0.0	0.0
	2	2010-07-01 00:00:00-04:00	1.666667	1.728000	1.351333	1.464000	123282000	0.0	0.0
	3	2010-07-02 00:00:00-04:00	1.533333	1.540000	1.247333	1.280000	77097000	0.0	0.0
	4	2010-07-06 00:00:00-04:00	1.333333	1.333333	1.055333	1.074000	103003500	0.0	0.0

In [22]: tesla_data.tail()

Out[22]:

•		Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
	3772	2025-06-27 00:00:00-04:00	324.510010	329.339996	317.500000	323.630005	89067000	0.0	0.0
	3773	2025-06-30 00:00:00-04:00	319.899994	325.579987	316.600006	317.660004	76695100	0.0	0.0
	3774	2025-07-01 00:00:00-04:00	298.459991	305.890015	293.209991	300.709991	145085700	0.0	0.0
	3775	2025-07-02 00:00:00-04:00	312.630005	316.829987	303.820007	315.649994	119483700	0.0	0.0
	3776	2025-07-03 00:00:00-04:00	317.989990	318.450012	312.760010	315.350006	58042300	0.0	0.0

Question 2: Use Webscraping to Extract Tesla Revenue Data

Use the requests library to download the webpage https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/revenue.htm Save the text of the response as a variable named html data.

```
In [38]: url = "https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/revenue.htm"
        response = requests.get(url)
        html data = response.text
        html data[:500]
Out[38]: '\n<!DOCTYPE html>\n<!--[if lt IE 7]>
                                              <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->\n<!--[if IE 7]>
                                                                                                                    <html class="no-js lt-ie9 lt-ie8">
        <![endif]-->\n<!--[if IE 8]>
                                         <meta charset="utf-8">\n
                                     <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">\n\t\t<link rel="canonical" href="https://www.macrotrends.net/s</pre>
        tocks/charts/TSLA/tesla/revenue" />\n\t'
        Parse the html data using beautiful soup using parser i.e html5lib or html.parser.
In [40]: soup = BeautifulSoup(html data, "html.parser")
        soup.title.text
Out[40]: 'Tesla Revenue 2010-2022 | TSLA | MacroTrends'
```

Using BeautifulSoup or the read_html function extract the table with Tesla Revenue and store it into a dataframe named tesla_revenue. The dataframe should have columns Date and Revenue.

- ► Step-by-step instructions
- ► Click here if you need help locating the table

```
In [45]: #create an empty Data frame for store data
    tesla_revenue = pd.DataFrame(columns=["Date","Revenue"])

#viwe the created dataframe
    tesla_revenue

tables = soup.find_all("table")

for table in tables:
    if "Tesla Quarterly Revenue" in table.text:
        target_table = table
        break

for row in target_table.find_all("tr")[1:]:
        cols = row.find_all("td")
```

```
if len(cols)==2:
                  date = cols[0].text
                  revenue = cols[1].text
                  tesla revenue = pd.concat([tesla revanue,pd.DataFrame([{"Date": date,"Revenue": revenue}])],ignore index=True)
         tesla_revenue.head()
Out[45]:
                  Date Revenue
          0 2022-09-30 $21,454
          1 2022-06-30 $16,934
          2 2022-03-31 $18,756
          3 2021-12-31 $17,719
          4 2021-09-30 $13,757
         Execute the following line to remove the comma and dollar sign from the Revenue column.
        tesla_revenue["Revenue"] = tesla_revenue['Revenue'].str.replace(', \\$', "", regex=True)
          Execute the following lines to remove an null or empty strings in the Revenue column.
In [47]: tesla revenue.dropna(inplace=True)
         tesla_revenue = tesla_revenue[tesla_revenue['Revenue'] != ""]
          Display the last 5 row of the tesla revenue dataframe using the tail function. Take a screenshot of the results.
         tesla_revenue.tail()
Out[48]:
                   Date Revenue
          49 2010-06-30
                               28
          50 2010-03-31
                              21
          52 2009-09-30
                              46
          53 2009-06-30
                              27
          54 2009-06-30
                              27
```

Question 3: Use yfinance to Extract Stock Data

Using the Ticker function enter the ticker symbol of the stock we want to extract data on to create a ticker object. The stock is GameStop and its ticker symbol is GME.

In [50]: gme = yf.Ticker("GME")
gme

Out[50]: yfinance.Ticker object <GME>

Using the ticker object and the function history extract stock information and save it in a dataframe named gme_data . Set the period parameter to "max" so we get information for the maximum amount of time.

In [52]: gme_data = gme.history(period ="max")
gme_data

Out[52]:

	Open	High	Low	Close	Volume	Dividends	Stock Splits
Date							
2002-02-13 00:00:00-05:00	1.620128	1.693350	1.603296	1.691667	76216000	0.0	0.0
2002-02-14 00:00:00-05:00	1.712707	1.716074	1.670626	1.683250	11021600	0.0	0.0
2002-02-15 00:00:00-05:00	1.683250	1.687458	1.658001	1.674834	8389600	0.0	0.0
2002-02-19 00:00:00-05:00	1.666418	1.666418	1.578047	1.607504	7410400	0.0	0.0
2002-02-20 00:00:00-05:00	1.615921	1.662210	1.603296	1.662210	6892800	0.0	0.0
2025-06-27 00:00:00-04:00	23.990000	24.260000	23.459999	23.590000	11638200	0.0	0.0
2025-06-30 00:00:00-04:00	23.639999	24.400000	23.540001	24.389999	10439300	0.0	0.0
2025-07-01 00:00:00-04:00	24.150000	24.500000	23.680000	23.680000	8308000	0.0	0.0
2025-07-02 00:00:00-04:00	23.900000	24.100000	23.750000	23.950001	6428600	0.0	0.0
2025-07-03 00:00:00-04:00	23.850000	24.160000	23.490000	23.590000	5566300	0.0	0.0

5885 rows × 7 columns

Reset the index using the reset_index(inplace=True) function on the gme_data DataFrame and display the first five rows of the gme_data dataframe using the head function. Take a screenshot of the results and code from the beginning of Question 3 to the results below.

Out[73]:		Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
	0	2002-02-13 00:00:00-05:00	1.620128	1.693350	1.603296	1.691667	76216000	0.0	0.0
	1	2002-02-14 00:00:00-05:00	1.712707	1.716074	1.670626	1.683250	11021600	0.0	0.0
	2	2002-02-15 00:00:00-05:00	1.683250	1.687458	1.658001	1.674834	8389600	0.0	0.0
	3	2002-02-19 00:00:00-05:00	1.666418	1.666418	1.578047	1.607504	7410400	0.0	0.0
	4	2002-02-20 00:00:00-05:00	1.615921	1.662210	1.603296	1.662210	6892800	0.0	0.0

Question 4: Use Webscraping to Extract GME Revenue Data

Use the requests library to download the webpage https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/stock.html. Save the text of the response as a variable named html_data_2.

```
In [78]: url_2 = "https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/stock.html"
    response_2 = requests.get(url)
    html_data_2 = response_2.text
    html_data_2[:500]
```

Out[78]: '<!DOCTYPE html>\n<!-- saved from url=(0105)https://web.archive.org/web/20200814131437/https://www.macrotrends.net/stocks/charts/GME/gamestop/revenue -->\n<h tml class=" js flexbox canvas canvastext webgl no-touch geolocation postmessage websqldatabase indexeddb hashchange history draganddrop websockets rgba hsla multiplebgs backgroundsize borderimage borderradius boxshadow textshadow opacity cssanimations csscolumns cssgradients cssreflections csstransforms csstra

Parse the html data using beautiful soup using parser i.e html5lib or html.parser.

```
In [82]: soup_2 = BeautifulSoup(html_data_2, "html.parser")
    soup_2.title.text
```

Out[82]: 'GameStop Revenue 2006-2020 | GME | MacroTrends'

Using BeautifulSoup or the read_html function extract the table with GameStop Revenue and store it into a dataframe named gme_revenue. The dataframe should have columns Date and Revenue. Make sure the comma and dollar sign is removed from the Revenue column.

Note: Use the method similar to what you did in question 2.

► Click here if you need help locating the table

```
In [96]: # create a dataframe date and revenue
```

```
gme revenue = pd.DataFrame(columns = ["Date", "Revenue"])
         gme revenue
Out[96]:
           Date Revenue
In [98]: tables_2 = soup_2.find_all("table")
         for table 2 in tables 2:
             if "GameStop Quarterly Revenue" in table 2.text:
                  target table gme = table 2
                  break
         for row in target table gme.find all("tr")[1:]:
              cols = row.find all("td")
             if len(cols)==2:
                  date_2 = cols[0].text
                  revenue_2 = cols[1].text
                  gme_revenue = pd.concat([gme_revenue, pd.DataFrame([{"Date":date_2,"Revenue":revenue_2}])], ignore_index = True)
         gme_revenue['Revenue'] = gme_revenue['Revenue'].str.replace(', |\$', "", regex=True)
         tesla_revenue.dropna(inplace=True)
         tesla_revenue = tesla_revenue[tesla_revenue['Revenue'] != ""]
         Display the last five rows of the gme_revenue dataframe using the tail function. Take a screenshot of the results.
In [99]: gme_revenue.tail()
Out[99]:
                    Date Revenue
          119 2006-01-31
                             1667
          120 2005-10-31
                              534
          121 2005-07-31
                              416
          122 2005-04-30
                              475
          123 2005-01-31
                              709
```

Question 5: Plot Tesla Stock Graph

Use the make graph function to graph the Tesla Stock Data, also provide a title for the graph. Note the graph will only show data upto June 2021.

► Hint

In [101.

make_graph(tesla_data, tesla_revenue, 'Tesla')

/tmp/ipykernel_300/109047474.py:5: UserWarning:

The argument 'infer_datetime_format' is deprecated and will be removed in a future version. A strict version of it is now the default, see https://pandas.pyda ta.org/pdeps/0004-consistent-to-datetime-parsing.html. You can safely remove this argument.

/tmp/ipykernel_300/109047474.py:6: UserWarning:

The argument 'infer_datetime_format' is deprecated and will be removed in a future version. A strict version of it is now the default, see https://pandas.pyda ta.org/pdeps/0004-consistent-to-datetime-parsing.html. You can safely remove this argument.

Question 6: Plot GameStop Stock Graph

Use the make_graph function to graph the GameStop Stock Data, also provide a title for the graph. The structure to call the make_graph function is make_graph (gme_data, gme_revenue, 'GameStop'). Note the graph will only show data upto June 2021.

▶ Hint

In [102

make_graph(gme_data, gme_revenue, 'GameStop')

/tmp/ipykernel_300/109047474.py:5: UserWarning:

The argument 'infer_datetime_format' is deprecated and will be removed in a future version. A strict version of it is now the default, see https://pandas.pyda ta.org/pdeps/0004-consistent-to-datetime-parsing.html. You can safely remove this argument.

/tmp/ipykernel_300/109047474.py:6: UserWarning:

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About the Authors:

Joseph Santarcangelo has a PhD in Electrical Engineering, his research focused on using machine learning, signal processing, and computer vision to determine how videos impact human cognition. Joseph has been working for IBM since he completed his PhD.

Azim Hirjani

Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2022-02-28	1.2	Lakshmi Holla	Changed the URL of GameStop
2020-11-10	1.1	Malika Singla	Deleted the Optional part
2020-08-27	1.0	Malika Singla	Added lab to GitLab

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