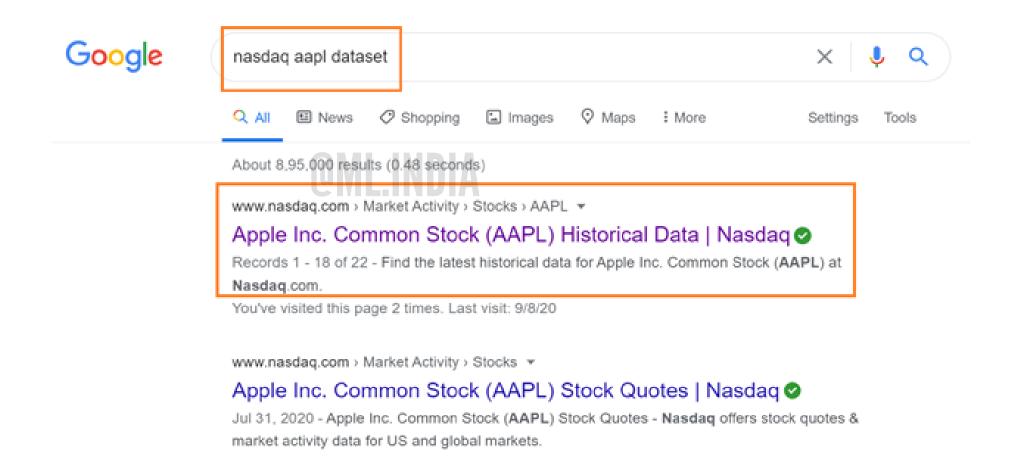


#### Stock market data:

Stock market data is information relating to the historical, real time, and predictive values of equities. It's mostly used by investors e.g. in evaluating current stock prices and investment decisions. For this microtutorial, we'll be looking at accessing and performing elementary analysis over the data provided by NASDAQ's official website.

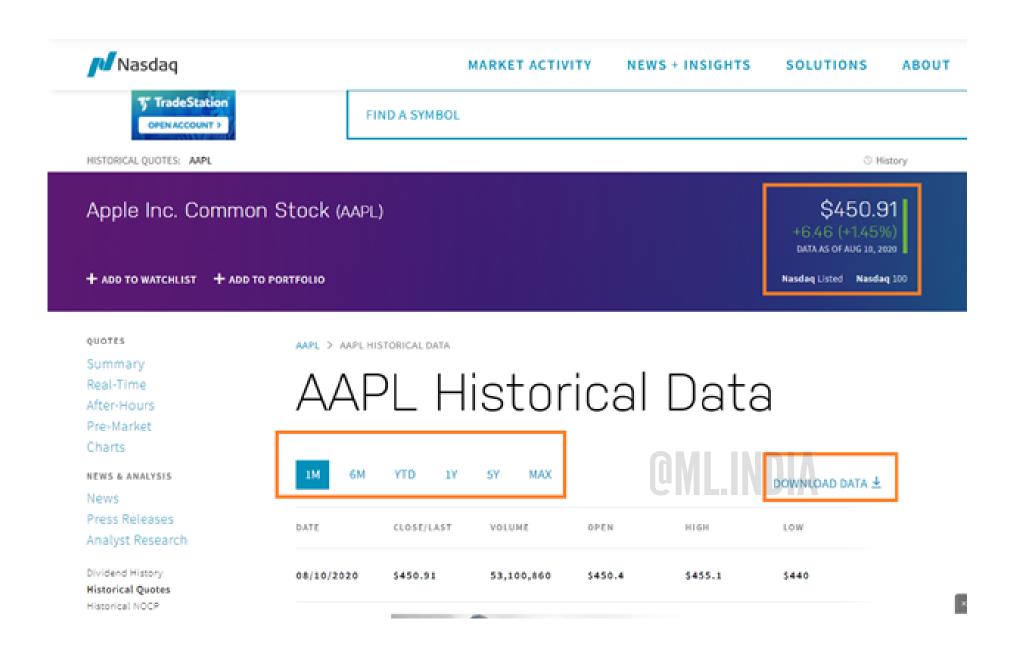
## Accessing datasets:

- Go to www.google.com.
- Type 'NASDAQ <company symbol> dataset'.
- We've chosen AAPL (Apple Inc).
- Find companies and their symbols on slide 7.
- Tap on the first result, as shown the image below.



## Downloading the dataset:

On tapping on the first relevant result on google.com, you'll be redirected to this page, where you'll see the options to **see** and **download** the **historical stock data** for a month, six months, year to date, one year, etc.

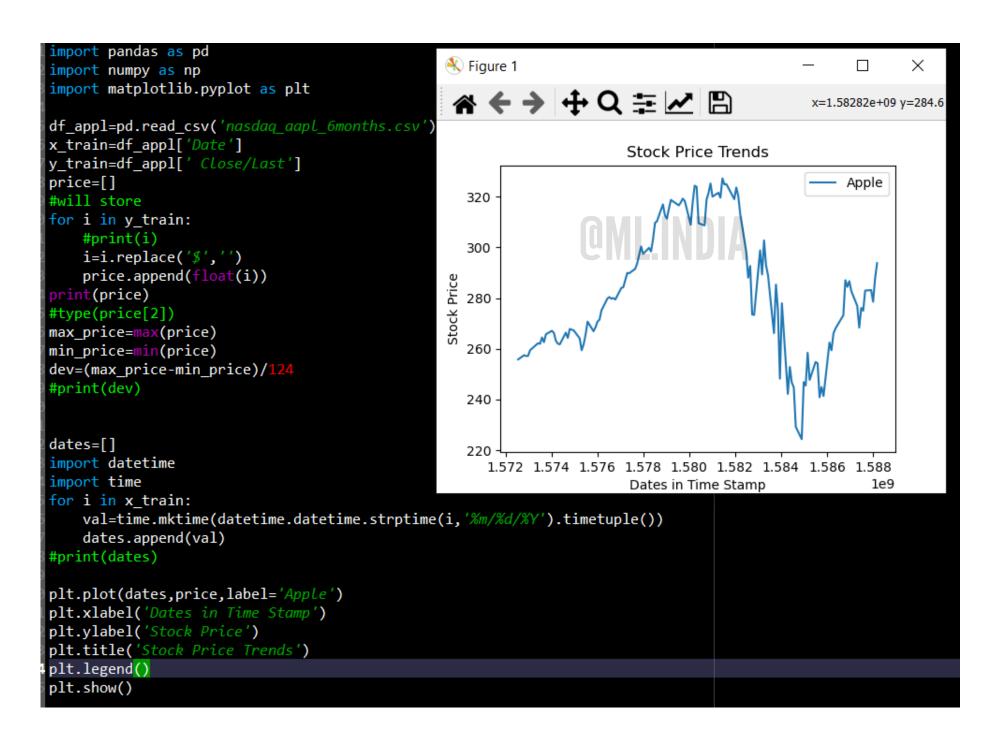


#### there's how it looks like:

4	Α	В	С	D	E	E
1	Date	Close/Las	Volume	Open	High	Low
2	04/30/202	\$293.8	45765970	\$289.96	\$294.53	\$288.35
3	04/29/202	\$287.73	34320200	\$284.73	\$289.67	\$283.89
4	04/28/202	\$278.58	28001190	\$285.08	\$285.83	\$278.2
5	04/27/202	\$283.17	29271890	\$281.8	\$284.54	\$279.95
6	04/24/202	\$282.97	31627180	\$277.2	\$283.01	\$277
7	04/23/202	\$275.03	31203580	\$275.87	\$281.75	\$274.87
8	04/22/202	\$276.1	29264340	\$273.61	\$277.9	\$272.2
9	04/21/202	\$268.37	45247890	\$276.28	\$277.25	\$265.43
10	04/20/202	\$276.93	32503750	\$277.95	\$281.68	\$276.85
11	04/17/202	\$282.8	53812480	\$284.69	\$286.945	\$276.86
12	04/16/202	\$286.69	39281290	\$287.38	\$288.1975	\$282.3502
13	04/15/202	\$284.43	32788640	\$282.4	\$286.33	\$280.63
14	04/14/202	\$287.05	48748670	\$280	\$288.25	\$278.05
15	04/13/202	\$273.25	32755730	\$268.31	\$273.7	\$265.83
16	########	\$267.99	40529120	\$268.7	\$270.07	\$264.7
17	########	\$266.07	42223820	\$262.74	\$267.37	\$261.23
18	******	\$259.43	50721830	\$270.8	\$271.7	\$259
19	########	\$262.47	50455070	\$250.9	\$263.11	\$249.38
20	******	\$241.41	32470020	\$242.8	\$245.7	\$238.9741
21	########	\$244.93	41483490	\$240.34	\$245.15	\$236.9
22	******	\$240.91	44054640	\$246.5	\$248.72	\$239.13
23	03/31/202	\$254.29	49250500	\$255.6	\$262.49	\$252
24	03/30/202	\$254.81	41994110	\$250.74	\$255.52	\$249.4
25	03/27/202	\$247.74	51054150	\$252.75	\$255.87	\$247.05
26	03/26/202	\$258.44	63140170	\$246.52	\$258.68	\$246.36
27	03/25/202	\$245.52	75900510	\$250.75	\$258.25	\$244.3
28	03/24/202		71882770		\$247.69	\$234.3
nasdaq_aapl_6months —						

### Basic processing + visualization:

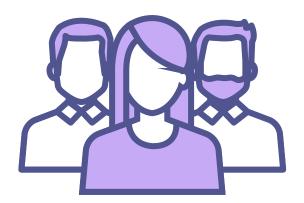
You'll need **Python**, **numpy**, **pandas** and **matplotlib** libraries installed to run the script mentioned below. Here we first **type-cast** data, then perform **time-stamp conversion** and finally **visualize** the resultant data.



#### Other available datasets:

**NASDAQ** provides up to **10 years** of daily historical stock prices and volumes for each of the listed stocks.

- (Symbol) SBUX (Company) Starbucks Inc.
- MSFT Microsoft Inc.
- CSCO Cisco Systems Inc.
- QCOM Qualcomm Inc.
- FB Facebook Inc.
- AMZN Amazon Inc.
- TSLA Tesla Inc.
- AMD Advanced Micro Devices Inc.
- ZNGA Zynga Inc.



### Welcoming a team member!

This post has been made possible by the valuable contribution of **Bhavishya Pandit**, who has been selected to intern with **Machine Learning India**.

Reach out on IG: @bhavishya\_pandit
or - linkedin.com/in/bhavishya-pandit-68a4a018a/

# Important note:

The links to these resources will be put up on our Telegram. Channel ID: @machinelearning24x7.



#### Ever worked with stock data?

Let us know in the comments! If you like our content and find it valuable, do give us a follow! Your love and support inspires us to keep delivering the best we can!

Comment.

