Hands-on Lab: Analyzing Historical Stock/Revenue Data and Building a Dashboard

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.

[20... Tesla = 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.

[21... tesla_data = Tesla.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.

[24... tesla_data.reset_index(inplace=True)
Display the downloaded data
tesla_data.head()

[24...

	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



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

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

[57]: GaneStop = yf.Ticker("OME")

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.

] | gme_data = GameStop.history(period="max")

| # | Display the downloaded data
gne_data.head()		Date	Dope	High	Low	Close	Volume	Dividends	Stock Splits
0	2002-02-13 00:000:00-05:00	18:20129	18:93350	16:03296	18:91667	78:216000	0.0	0.0	
1	2002-02-14 00:000:00-05:00	18:2350	18:0926	18:8250	10:01600	0.0	0.0		
2	2002-02-15 00:000:00-05:00	18:3250	18:3848	18:5800	18:9354	38:9800	0.0	0.0	
3	2002-02-19 00:00:00-05:00	16:66417	15:66417	15:78047	16:7550	74:10400	0.0	0.0	
3	2002-02-19 00:00:00-05:00	16:66417	15:66417	15:78047	16:7550	74:10400	0.0	0.0	



