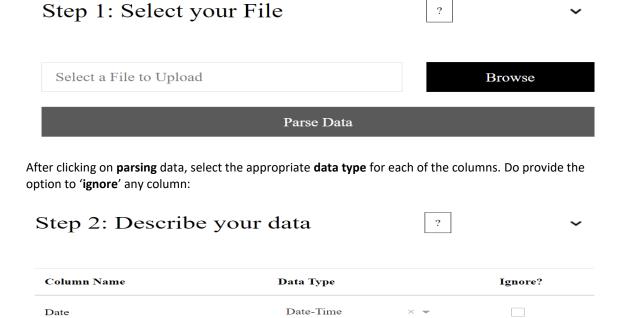
Computer Science Department CS632P – Topics Python Programming (CRN: 23765/23912) Spring 2021

Project #2 (Due 28-Apr-2021)

In this project you will need to use Python's **dash** and **plotly** modules. Device a Python app that will read the following dataset (securities prices volumes.csv)

Date	Volume	Adj Close	Stock	Exchange
1/2/2020	135480400	74.33351135	AAPL	NYSE
1/3/2020	146322800	73.61083984	AAPL	NYSE
1/6/2020	118387200	74.19739532	AAPL	NYSE
1/7/2020	108872000	73.84844208	AAPL	NYSE
1/8/2020	132079200	75.03638458	AAPL	NYSE
1/9/2020	170108400	76.63021851	AAPL	NYSE
1/10/2020	140644800	76.80345917	AAPL	NYSE
1/13/2020	121532000	78.44432068	AAPL	NYSE
1/14/2020	161954400	77.38506317	AAPL	NYSE
1/15/2020	121923600	77.05342865	AAPL	NYSE

The app will have the following functionality, components: **Upload** the csv, after browsing into your machine, into the app.



Numerical

Volume

Adj Close

Exchange

Stock

String/ Categorical

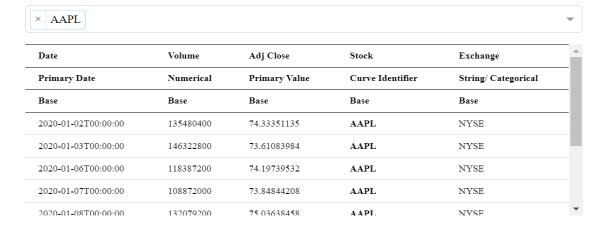
String/ Categorical

Then preview the data, along with a corresponding line graph (you can use your own names/labels for each column):

Step 3: Preview your data



Curve Identifiers to Display

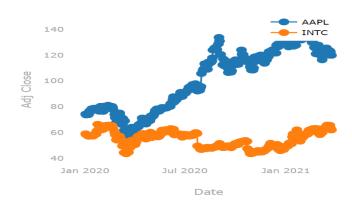


Should you choose more than one security from the 2nd drop-down list, the line graph should look like: (You could easily plot 'Volume' instead of 'Adj Close' price from the 1st drop-down list)

Feature Name to Plot



Plot of Adj Close vs Date



Project #2 Sarbanes -- Page 2 of 2