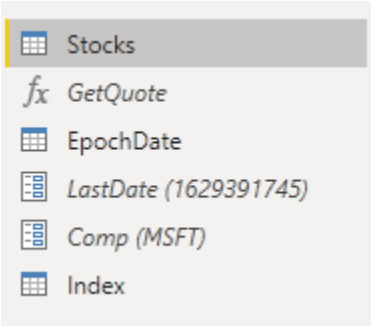
Data from Yahoo Finance to Power BI

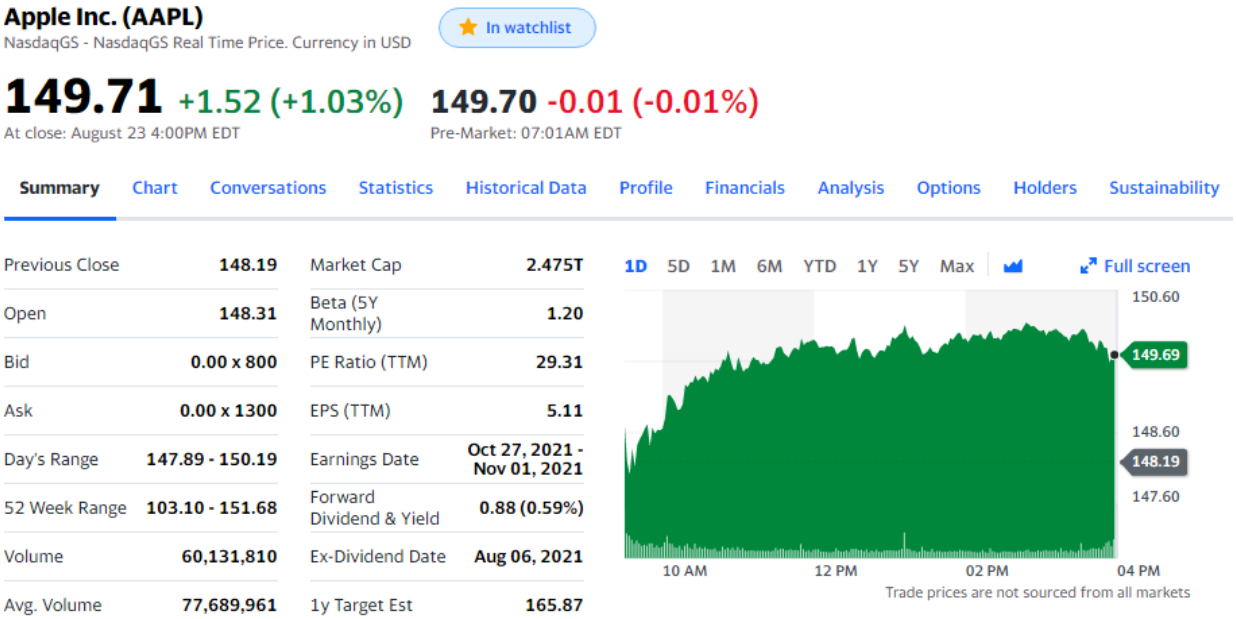
How to get Data From Yahoo Finance to Power BI in 5 easy steps

I will build 1 function, three tables, and 2 parameters in Power BI.

Below is the structure in the transform table with all you need. So let's get started and I will explain the steps along the way



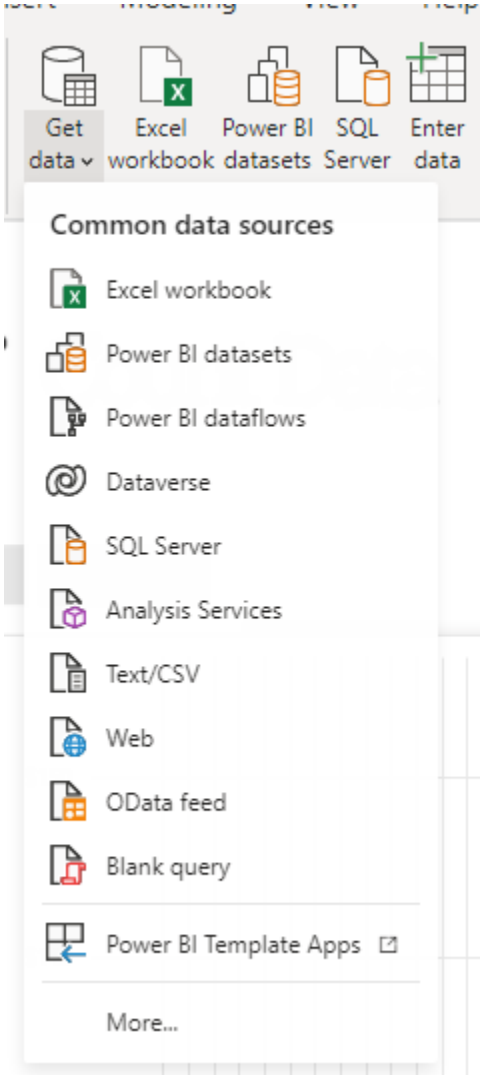
1 - Go to Yahoo Finance



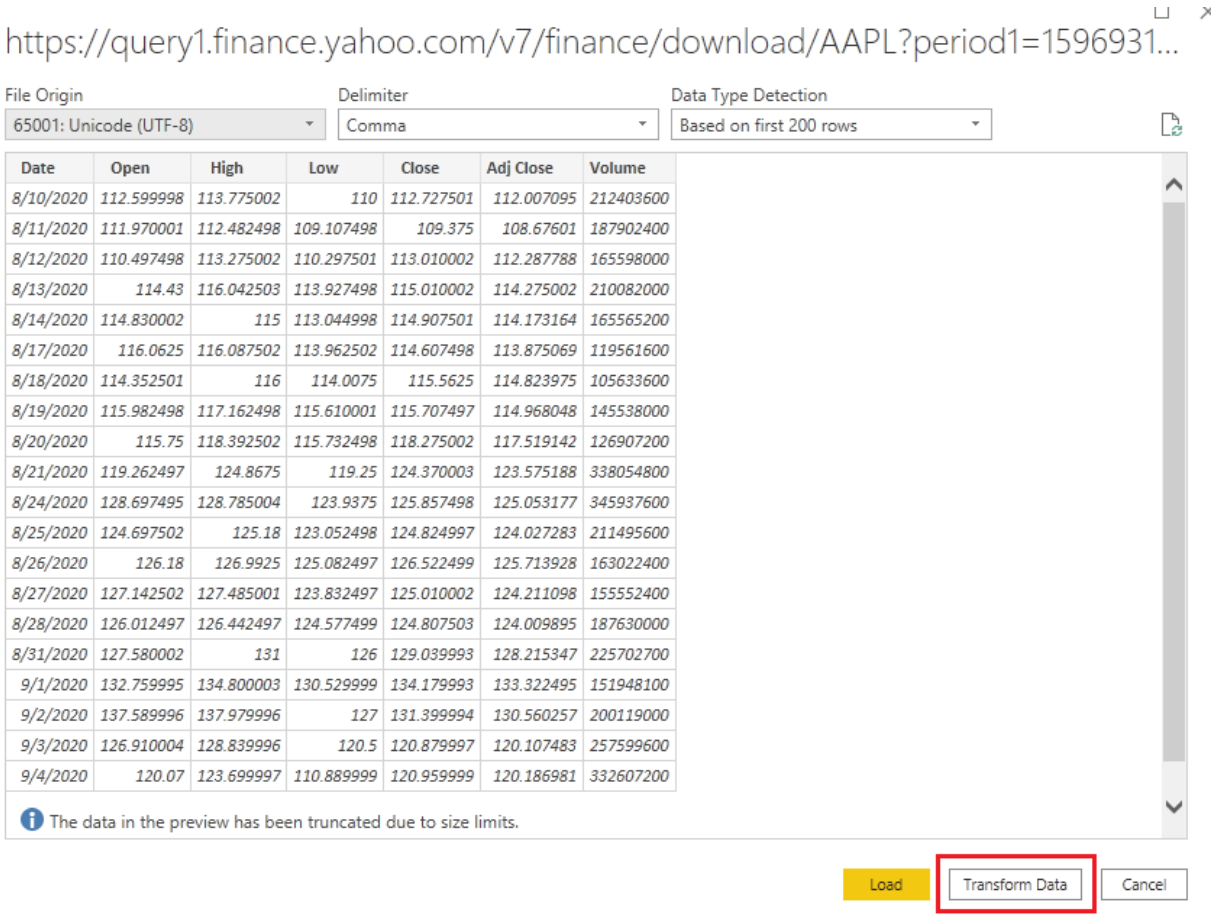
- Pick a random stock and hit Enter (ie.: AAPL)
- Go to Historical Data and pick the range of historical price you want (ie. 1Y)

- Decide the Frequency (ie. Daily)
- Hit Apply
- In Download - right-click and copy the link address

- In Power BI go to Get Data and click Web and paste the link from Yahoo Finance



- Power BI will take you to the page below



- Click Transform Data and go to the advanced editor

2 - Make your query dynamically

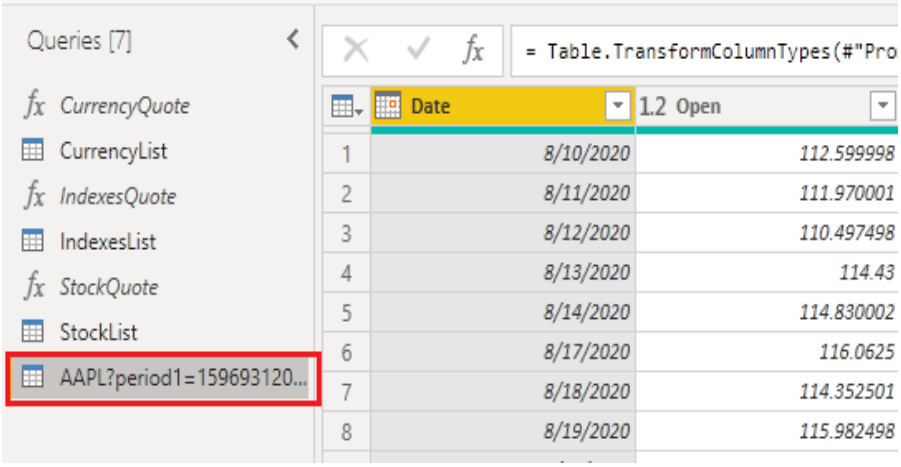
You will need to change the time and date to allow the function to become variable and get the time and date any time

- The blue part of the code below should be added to your query

```
Let
    Source = (LastDate as text, Comp as text) => let
        Source =
Csv.Document(Web.Contents("https://query1.finance.yahoo.com/v7/financ
e/download/"&Comp&"?period1=1022112000&period2="&LastDate&"&interval=
1d&events=history"),[Delimiter=",", Columns=7, Encoding=1252,
QuoteStyle=QuoteStyle.None]),
        #"Promoted Headers" = Table.PromoteHeaders(Source,
[PromoteAllScalars=true]),
        #"Changed Type" = Table.TransformColumnTypes(#"Promoted
Headers",{{"Date", type date}, {"Open", type number}, {"High", type
number}, {"Low", type number}, {"Close", type number}, {"Adj Close",
type number}, {"Volume", Int64.Type}})
    in
        #"Changed Type"
in
    Source
```

Once it is done, your function is ready to get data

- Change the name of the table. You can use “Stock” as name

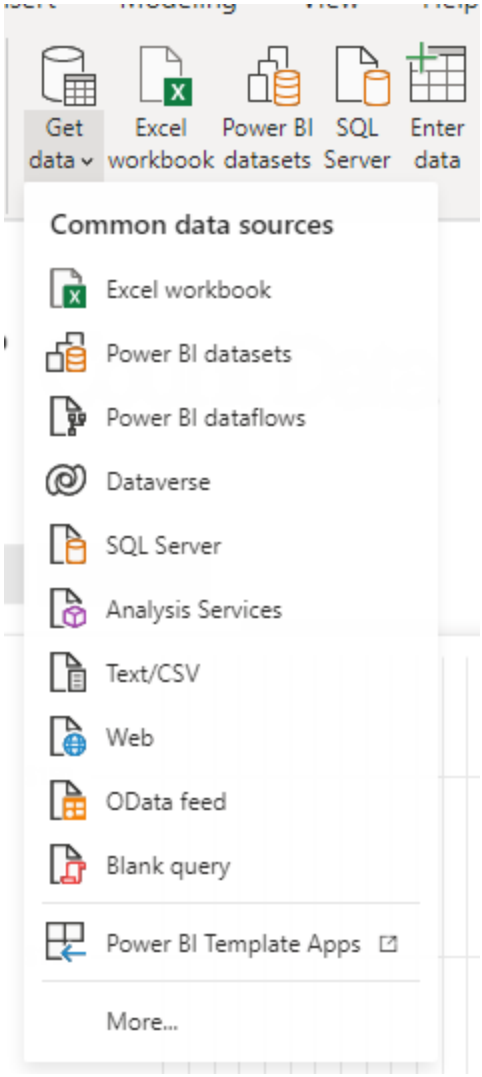


3 - Epoch Table

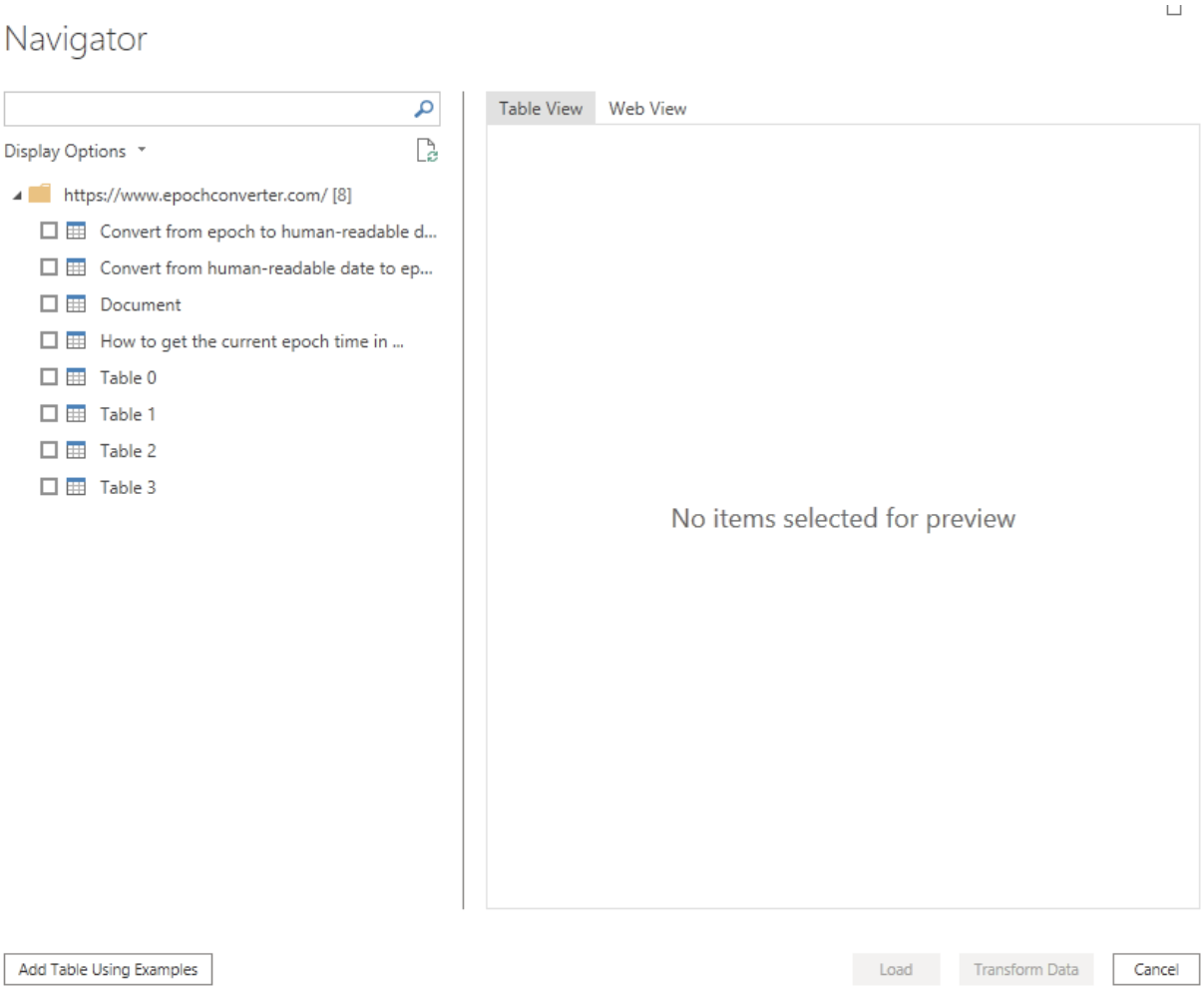
Now we just need to create the Epoch Table that will translate the time into a user-friendly format

In Power BI go to Get Data and click Web and paste the link below

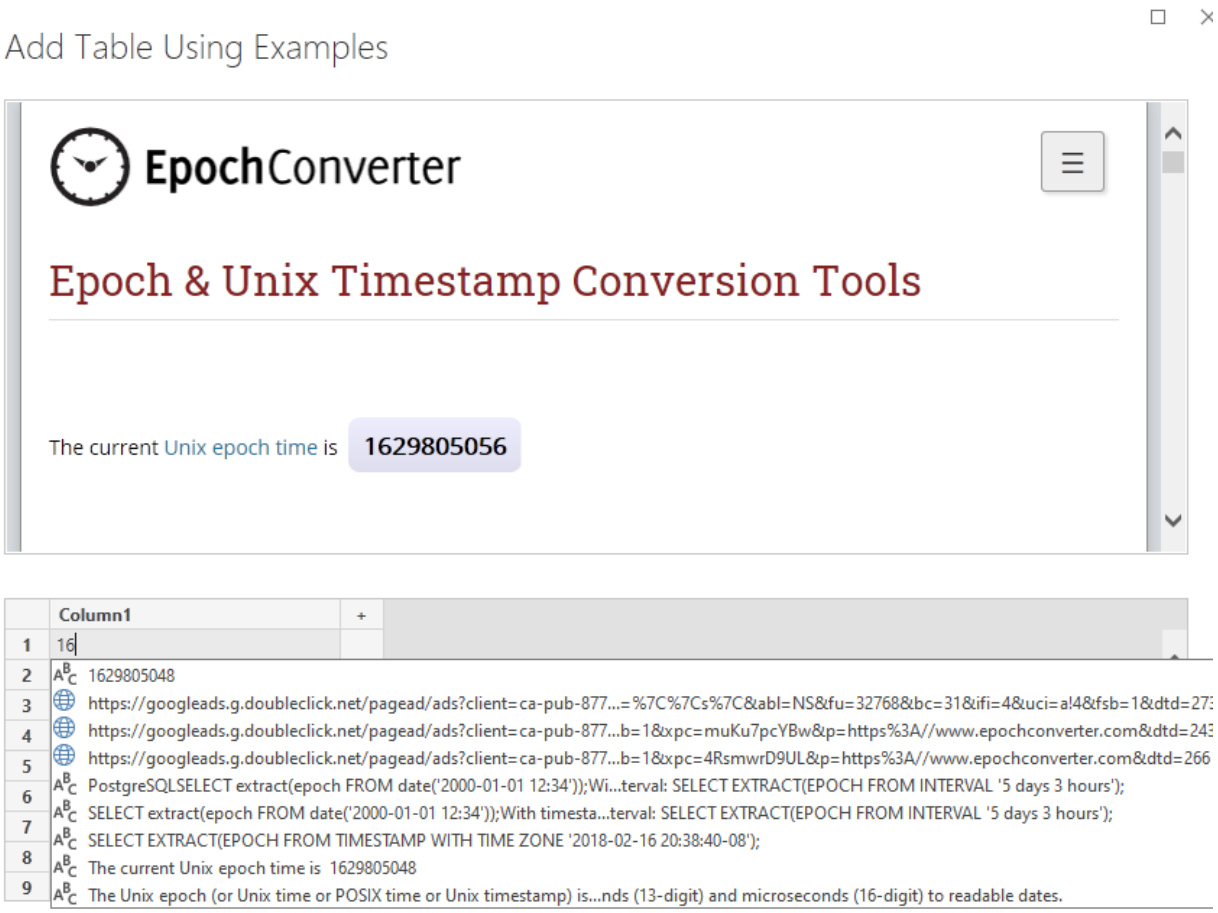
https://www.epochconverter.com/



- Click Add table using examples



- Starting to write the epoch time and Power BI will show it. Click on the time and hit OK. Now you have your EpochTime Table

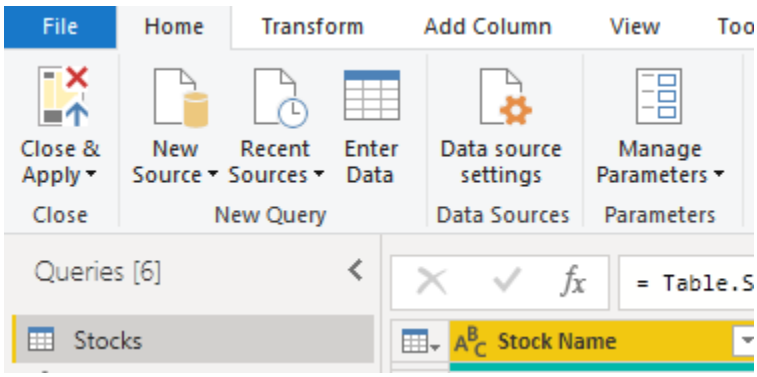


- Change the type of the Column to Text (Abc)
- Rename the column to Epoch Time
- Rename the table to epoch Date

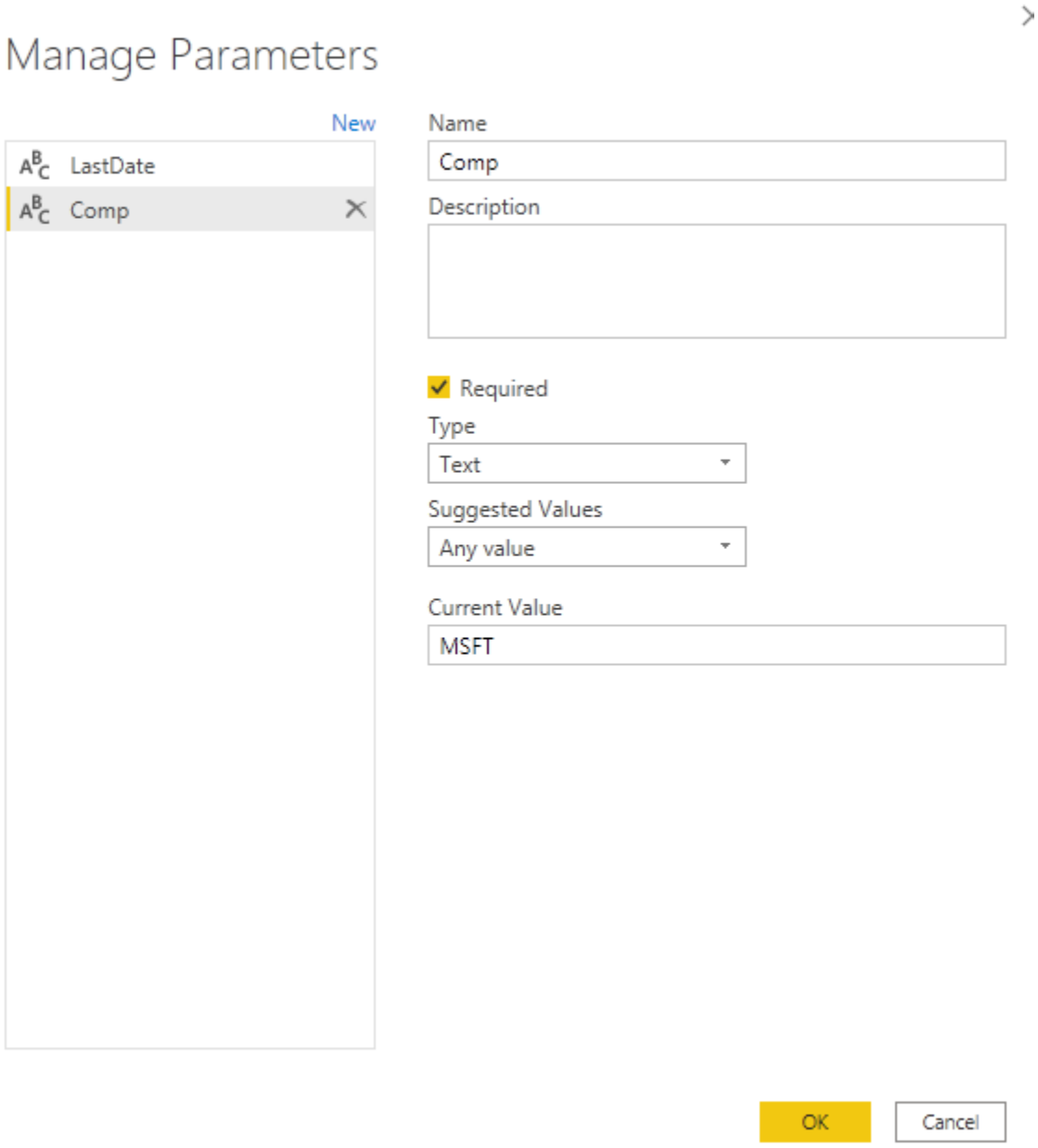
4 - Crate the Parameters

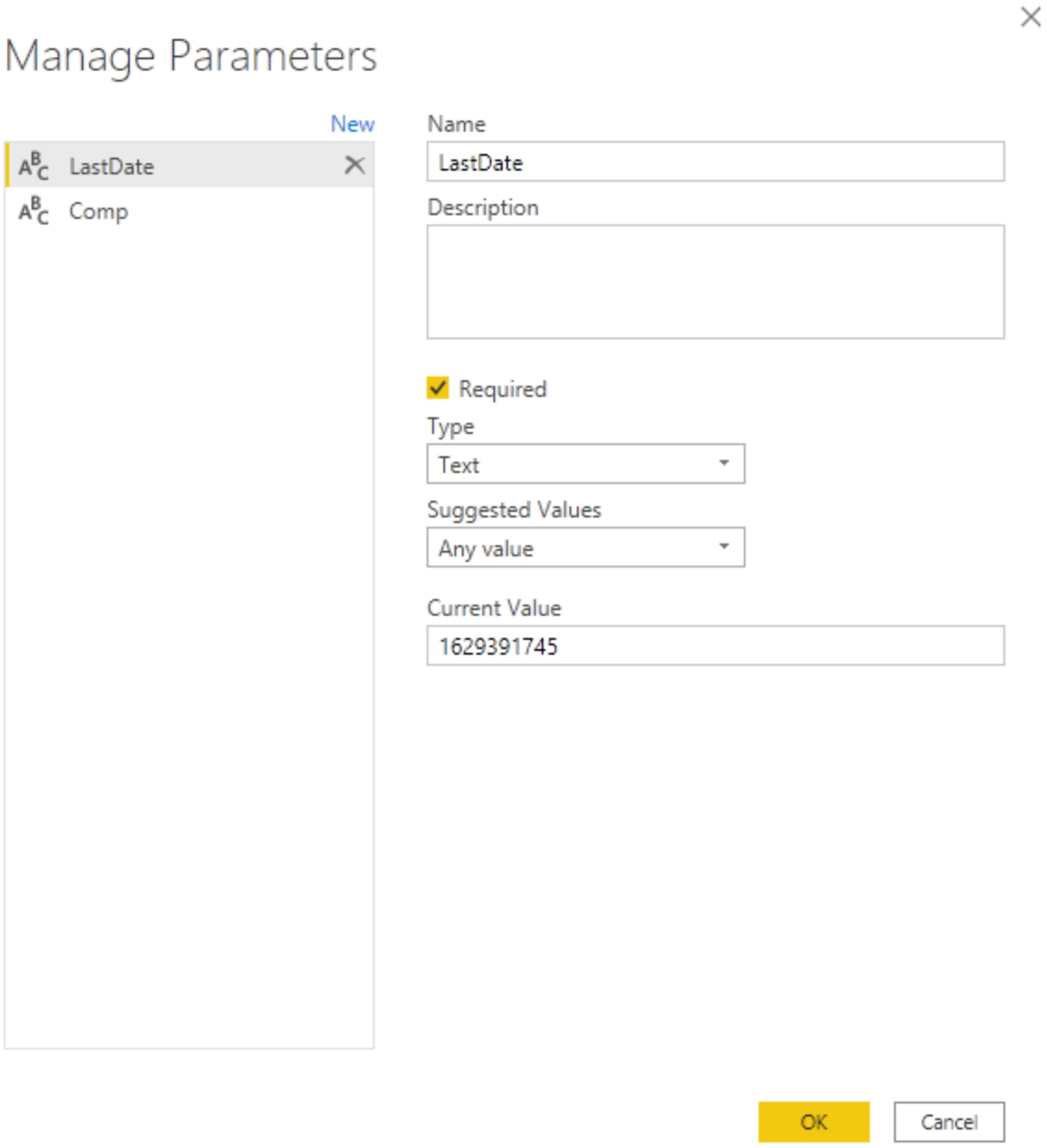
Now let's build the two parameters you need, Time and Date

- Click Manage Parameters → Manage Parameters



- Click New and use my two parameters to copy exactly as they are below





5 - Stock Table(s)

Now you need to build a spreadsheet with the Stocks tickers (add new columns if you want). You can create as many lists/spreadsheets as you want, such as indexes, crypto, etc. If so, follow the same steps below.

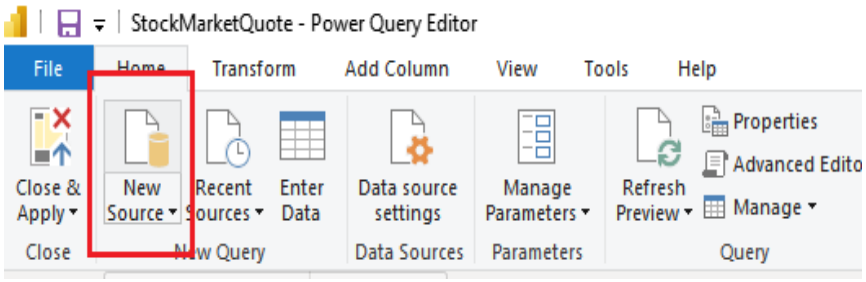
StockList

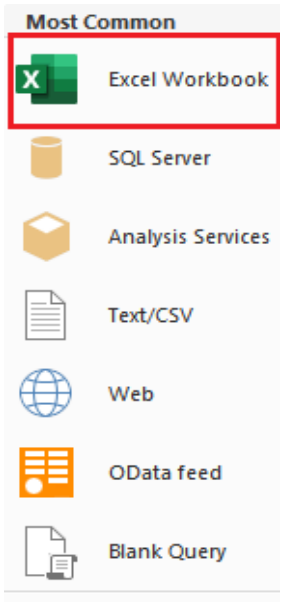
File Edit View Insert Format Data Tools Add-on

I7

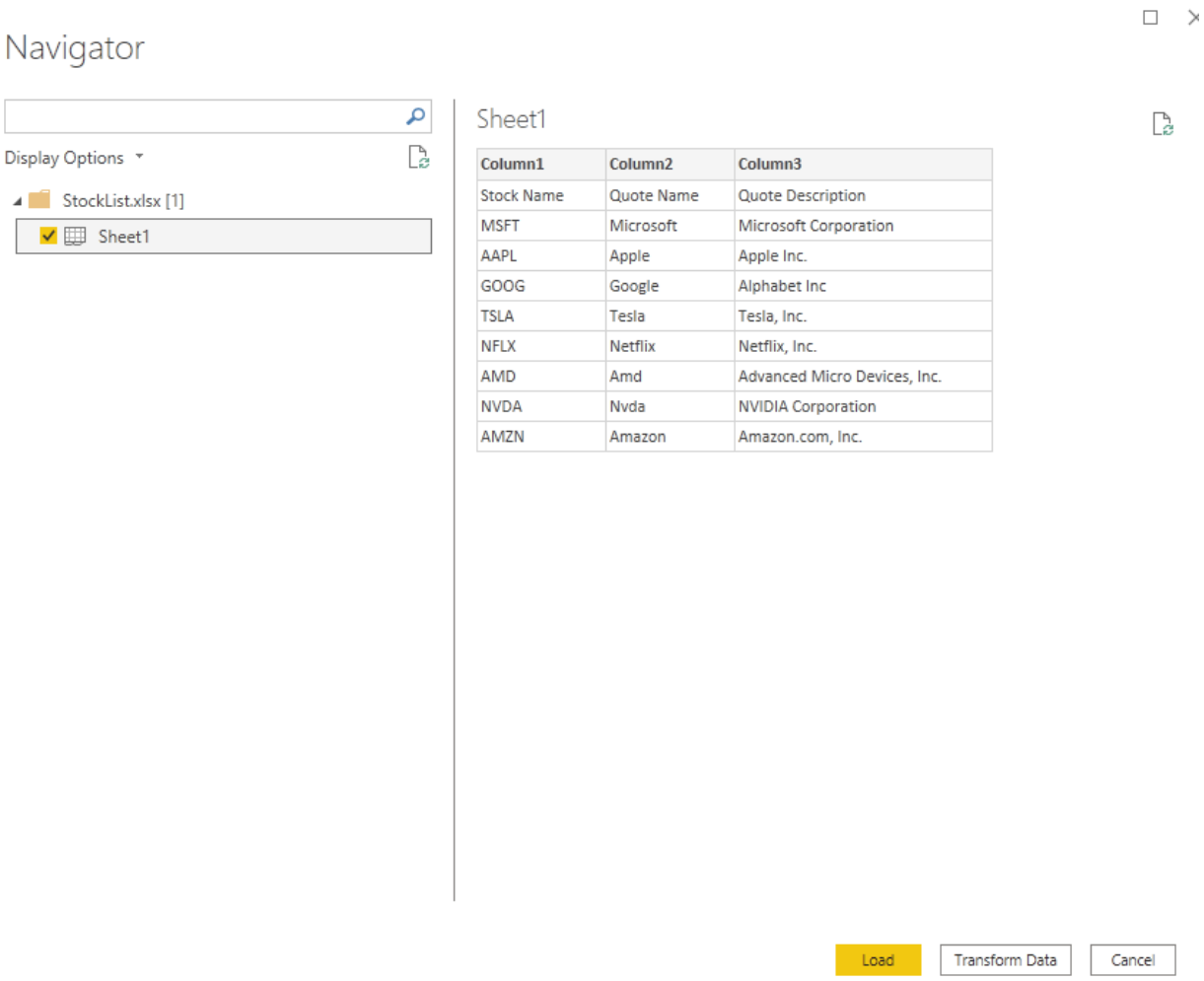
	A	B	C	D
1	Stock Name	Quote Name	Quote Description	
2	MSFT	Microsoft	Microsoft Corporation	
3	AAPL	Apple	Apple Inc.	
4	GOOG	Google	Alphabet Inc	
5	TSLA	Tesla	Tesla, Inc.	
6	NFLX	Netflix	Netflix, Inc.	
7	AMD	Amd	Advanced Micro Devices, Inc.	
8	NVDA	Nvda	NVIDIA Corporation	
9	AMZN	Amazon	Amazon.com, Inc.	
10				

- Go to Power BI. Got to New Source and click Excel Workbook

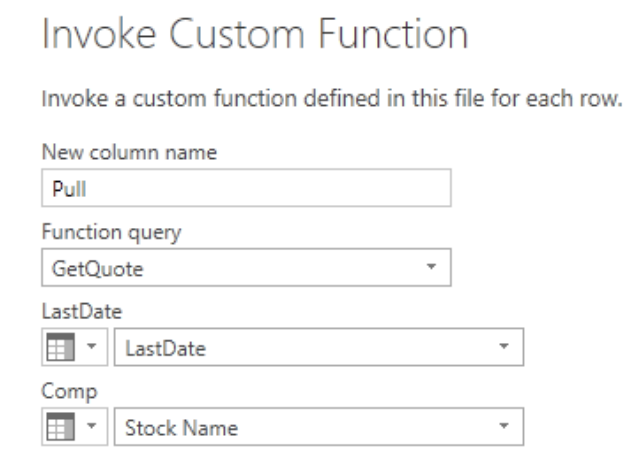




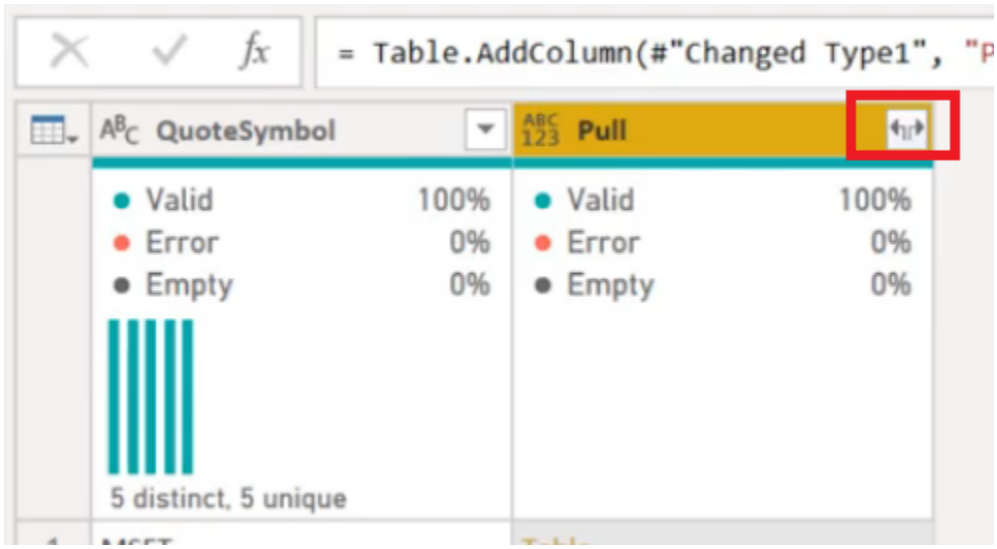
- Click Sheet1 and OK



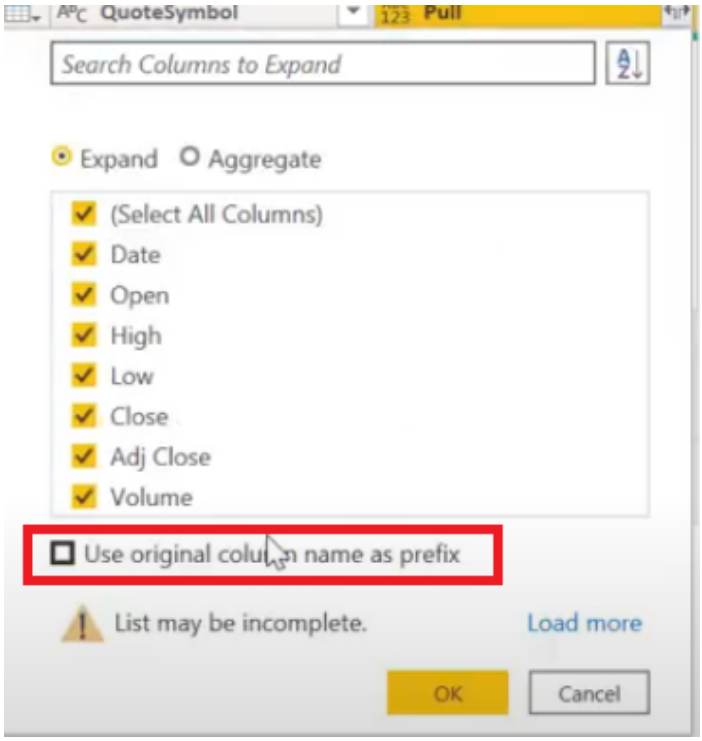
- Change the name of the Sheet1
- Click "Use First Row as Headers"
- Click Add Column
- Click on Invoke Custom Function



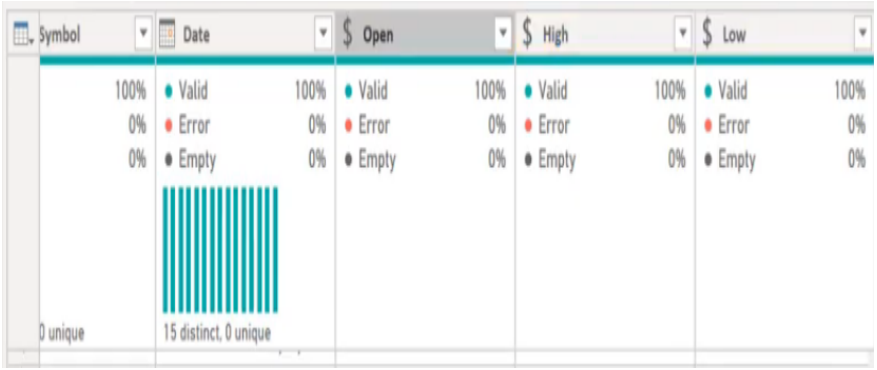
- Click inExpand the Pull



- Untick the "Use original column name as a prefix



- Now you have to do the format changes
- Date → change to Data
- Open, High, Low, Close, and Adj Close → Fixed decimal number
- Volume → Whole number



- To include a new table to get prices from yahoo finance. You should repeat the steps. have included the table index in the Power BI

Now you are good to go and have your data from Yahoo Finance.