Instructions for Excel/Web Script
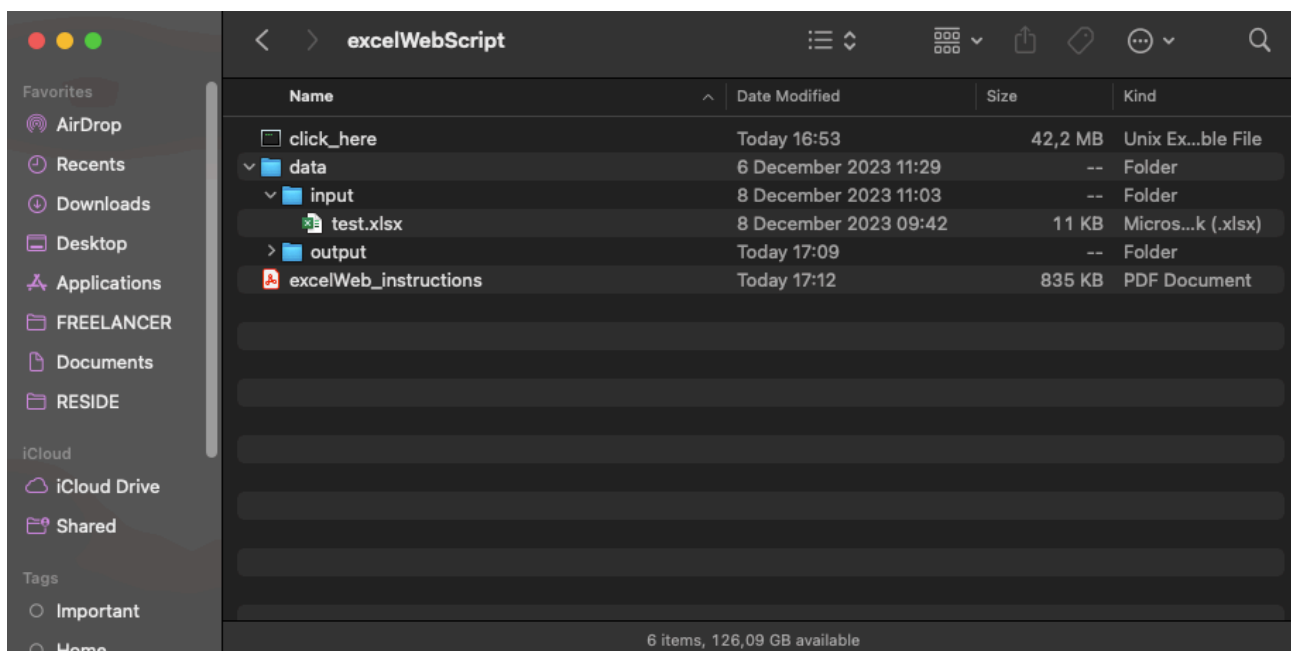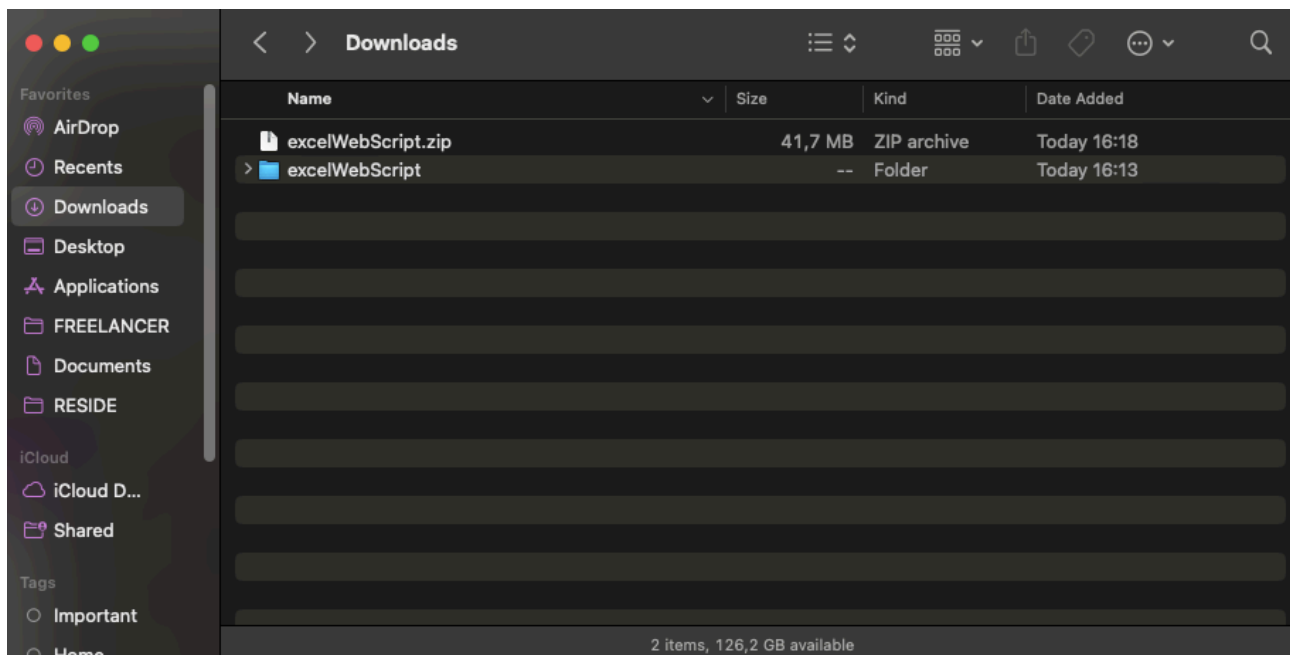
Beatriz Carvalheira
beatriztcarvalheira@gmail.com
https://www.upwork.com/freelancers/~01030b24802656e33e

Before starting: This script will only work on Mac OS computers.

This program has the goal of parsing an .xlsx file and retrieving information from the CNBC Investing Club Website to output both sets of data into a single .xlsx file.

1. Understanding main Folder's contents:

After unzipping excelWebScript.zip file, a folder named **excelWebScript** folder should appear in the same directory.

The folder should contain an executable file named **'click_here'**, which is the main program and a folder named **'data'**.
Inside the 'data' folder there should be two additional folders named **'input'** and **'output'**.

The input folder should contain the downloaded .xlsx from **TD Ameritrade** and the output folder will contain the final parsed data, available when the program is concluded.
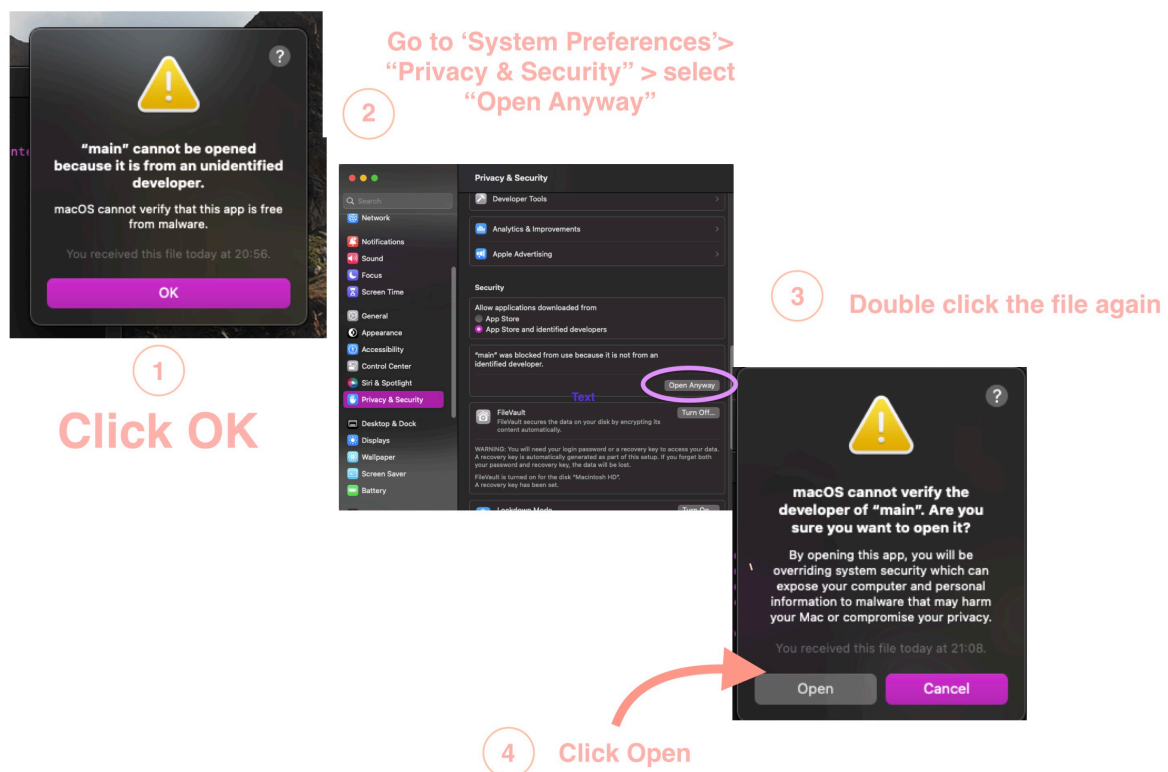
2. Input XLSX format.

The input .xlsx file should have its **headers** named in following **order**: **'Date', 'Description', 'Quantity', 'Symbol', 'Premium' and 'Amount'.**

A	B	C	D	E	F
DATE	**DESCRIPTION**	**QUANTITY**	**SYMBOL**	**Premium**	**AMOUNT**
01/12/23	Sold 1 BABA Jan 19 2024 70.0 Put @ 2.32	1	BABA Jan 19 2024 70.0 Put	2,32	231,44
01/12/23	Bought 1 BABA Dec 29 2023 70.0 Put @ 1.59	1	BABA Dec 29 2023 70.0 Put	1,59	-159,56

3. Running the program

After making sure the .xlsx file is in the correct format and directory, the main program (click me) can be safely initiated. To initiate it you just need to double click the file.

* Reminder * if it's the **first time** running this executable in your machine, you will need to clear the permissions in the system preferences. To do this, follow these steps:

Go to 'System Preferences'> **"Privacy & Security" > select "Open Anyway"**

②

③ **Double click the file again**

① **Click OK**

④ **Click Open**

After double clicking the executable file, a loading bar will appear in the terminal window showing the program's progress.
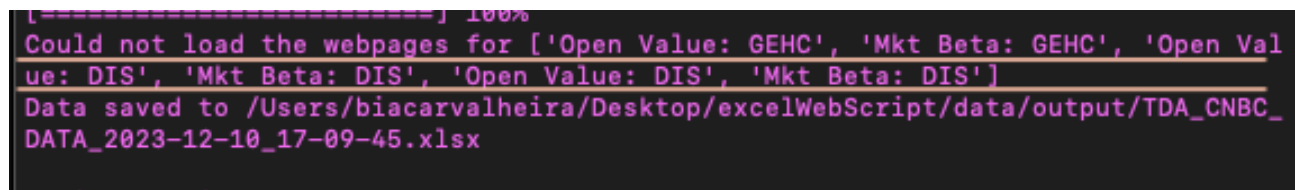
4. Errors

The program's functionality may cease in the following cases:
- There is no internet connection.
- The input .xlsx file might not follow the correct structure (as described above)
- There is no .xlsx file in the input directory.

If the source for the CNBC data (open and mkt beta fields) presents issues loading the page, or anything else that makes the scraper unable to retrieve information, then the particular value will be replaced by 'Data not available'.

The symbols that have data values missing will be listed in the terminal window. Like this:
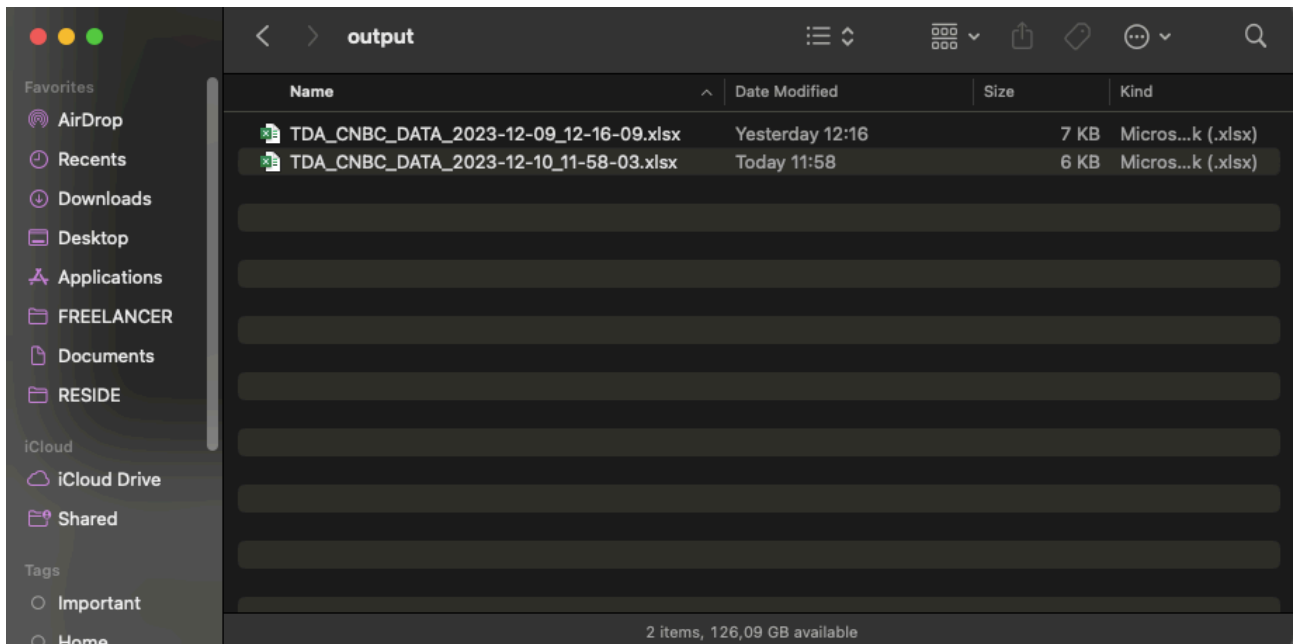

5. Showing saved file

When the program concludes, it will show the directory path where the output file will be located (data/output), as it is shown above.
The file will be named **TDA_CNBC_DATA_%Y-%m-%d_%H-%M-%S.**
The file will follow the format provided by the client. It will contain the following headers:
- 01/09/23
- Trade date-entered?
- Option Expiration date
- Days till exp (trade date)
- Days till exp (current)
- Order expiration date "time in force"
- Days till expiration (if an order)
- Strike
- Underlying symbol
- Underlying price at the time of trade
- OTM (Out of the Money) at the time of trade
- Underlying price, current
- OTM, current
- Weight
- Weighted OTM
- Market beta
- Type
- Market beta * market price * contracts
- Quantity
- Market price * number of contracts
- Trade Price/premium
- Trade price as a percentage of notional
- Annual yield at strike at the time of trade
- Yield on cost at the time of trade
- Multiple on cost
- Yield at the current market price at the time of trade
- Premium
- Contracted in August
- Contracted in September
- Contracted in October

- Contracted in November
- Contracted in December
- Cash if exercised
- Days >>
- 10
- 17
- 24
- 31
- 38
- 45
- 50
- 73
- 101

For any further questions, you can send an email to beatriztcarvalheira@gmail.com or send me a direct message through Upwork.