**How to Create Analysis from AAII Data**

1. In the directory C:\Sundeep\Stocks\_Automation\Downloaded\_from\_AAII\_for\_Analysis there are xls files. The name of the files is in the format : <YYYY\_mm\_dd\_AAII\_Analysis> , for e.g. : 2020\_11\_13\_AAII\_Analysis

The file has 3 worksheets (tabs)

* 0\_Analysis\_Misc\_00 (Last Col : AA, Col Val : Quick Ratio Q1)
* 0\_Analysis\_QTR (Last Col : CD, Col Val : Shared Diluted Q8)
* 0\_Analysis\_YR (Last Col : CH, Col Val : Return on Equity Y7)

So, go to that directory, open the file that has the latest date in the name, and “Save as” the file for the date for which you want to download AAII data and create Analysis for it.

For e.g. Open the file 2020\_11\_13\_AAII\_Analysis and then “Save as” 2021\_04\_03\_AAII\_Analysis

1. Now – open the newly created xls file, and delete all the data in each of the tabs – This is done because the number of companies in AAII Investor Pro database changes – and we don’t want to have duplicate entries towards the end (This can happen when the older file has – say 6600 companies and now AAII Investor Pro database has 6550 companies. In this case the 50 companies will remain the worksheet from the older file towards the end and most likely will be duplicate with some of the names from the newly copied data).
2. In the AAII Investor Pro database – I have made three views that correspond to each of the tabs of the worksheet

* AAII View 🡪 SC\_0\_Analysis\_Misc\_00 🡪 Workbook Tab 🡪 0\_Analysis\_Misc\_00
* AAII View 🡪 SC\_0\_Analysis\_Financials\_ QTR 🡪Workbook Tab 🡪 0\_Analysis\_QTR
* AAII View 🡪 SC\_0\_Analysis\_Financials\_YR 🡪 Workbook Tab 🡪 0\_Analysis\_YR

1. Copy the data from each view and paste in the corresponding tab. Once the data from AAII is pasted in the tabs, then change the date in the script : **SC\_parse\_AAII\_Download.py** in the variable : **aaii\_xls\_file** and run it.

**<<< IMPORTANT >>>**

1. **Make sure to Change ticker name “TRUE” 🡪 “TRUEE”**
2. **Before running it fill throttle, I do a dry run for one ticker – say IBM – and make sure that it generates data right. Generally, it would be best, if you can find the company whose fiscal year is also ending for the quarter for which we are running the script to make sure that generates the data right for QTR and YR. That stock can be found out from the Configuration file. The script can be run for just one ticker by modifying the list variable ticker\_list in the script.   
   When doing that, I open the three files IBM\_Key\_statistics\_data.csv, IBM\_QTR\_data.csv and IBM\_YR\_data.csv in notepad++ and run the script. That way I can see what the script changed by reloading the files from the disk in notepad++. Once I am satisfied, I can checkout those files from git to make sure that they are in the “original state” and then run the script unattended.**
3. The script will go through each ticker in the AAII pasted data (it also has the option to only go through the tickers in the tickerlist but that we can discuss later) and either update or create the files in the three subdirectories:

C:\Sundeep\Stocks\_Automation\Analysis

* + Key\_Statistics
  + Quarterly
  + Yearly

You can monitor the progress of the script through this command in the Logs directory :

$ **tail -f SC\_Parse\_AAII\_Download\_debug.txt | grep -i "Iteration "**

1. It will update if it finds a file corresponding to that ticker in the subdirectories. If it does not find a file corresponding to the ticker that it is working on, then it will create a new excel file in the subdirectories.
2. The script takes about 20-25 minutes to run. Once run – there is a **git\_commit.sh** script in the directory that can be used to commit/add the files updated/created in the three subdirectories.