










## Attribution Analysis (GUI)

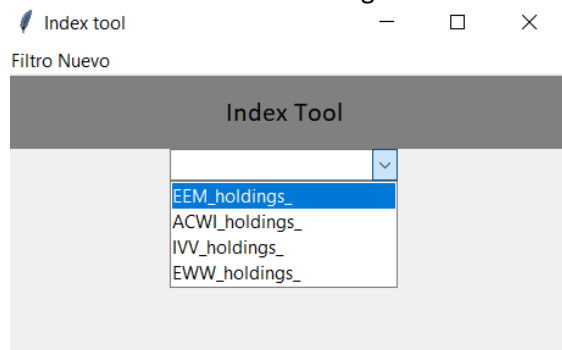
The objective of this code is to provide a tool for analysis of certain ETF's while using a GUI using tkinter.

 ACWI_holdings_2020-12-17.csv	17/12/2020 12:38 p. m.	Archivo de valores...	464 KB
 ACWI_holdings_2020-12-18.csv	18/12/2020 06:42 p. m.	Archivo de valores...	462 KB
 ACWI_holdings_2020-12-19.csv	19/12/2020 08:54 a. m.	Archivo de valores...	462 KB
 ACWI_holdings_2020-12-21.csv	21/12/2020 08:54 a. m.	Archivo de valores...	462 KB
 Attribution Analysis.py	30/12/2020 11:01 a. m.	Archivo PY	16 KB
 EEM_holdings_2020-09-08.csv	08/09/2020 12:46 p. m.	Archivo de valores...	247 KB
 EEM_holdings_2020-09-09.csv	09/09/2020 09:22 a. m.	Archivo de valores...	247 KB

In the Folder “Bases” we have historical info downloaded from 4 different ETFs: EEM, ACWI,INDA and EWWI you can download periodically day by day, this info also from another py file named INDEXES, this info is taken from the Black Rock page that you can find in our References.

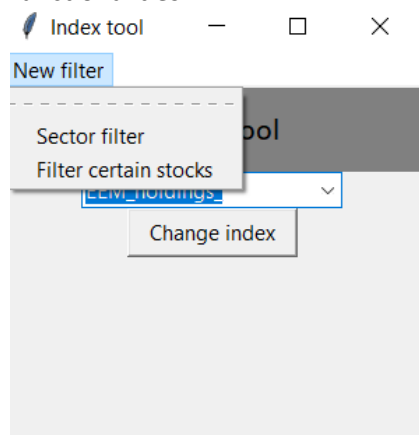
 Bases	30/12/2020 11:02 a. m.	Carpeta de archivos	
 INDEXES.py	15/09/2020 09:14 a. m.	Archivo PY	5 KB

Once we run our project we will be directed to our GUI, the script will automatically start with ACWII data wich we can change in the fist menu appearing:

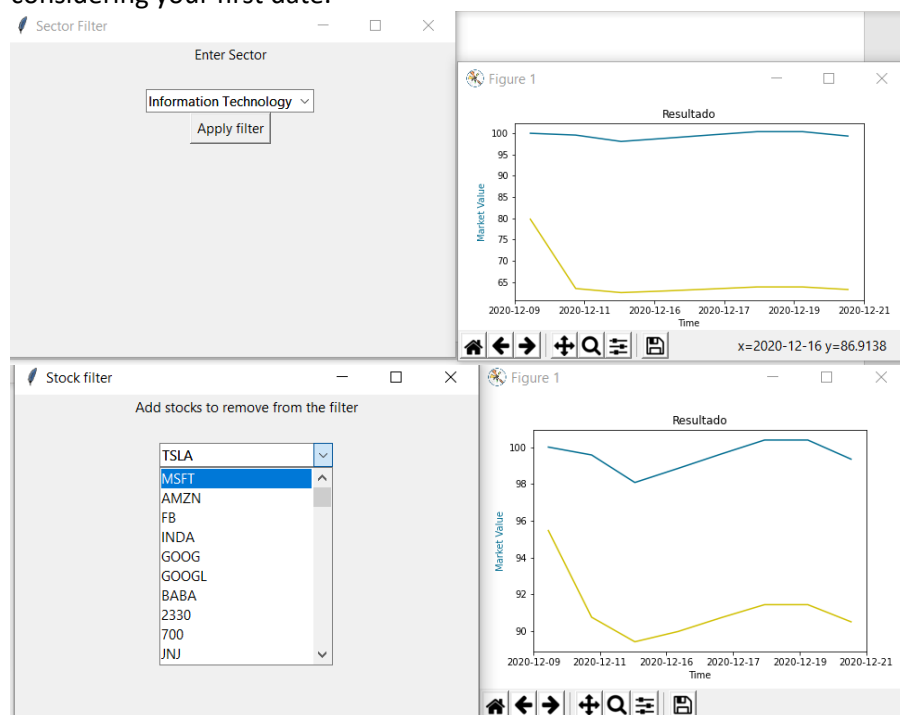


Change index

Now that we select our Etf we click on the sub-Menu: “New filter”, we can select two functionalities:



In Sector filter we can compare the Index without the sector we select, and in the filter certain stocks we compare it vs removing the stocks we select, we can place the mouse in any position of the graph, this will indicate us the x and y value. The y-scale offers the returns of the market value considering your first date.



This are just simple examples of the multiple combinations you can use, in the particular example of the filter by certain stocks we removes AAOL and TSLA.

Building more graphs interacting downloading and analyzing them are the goals of this program and also to show the uses of the GUI.

## References

<https://www.blackrock.com/us/individual/products/investment-funds#!type=all&view=perfNav>

<https://docs.python.org/3/library/tkinter.html>

<https://www.youtube.com/watch?v=YXPyB4XeYLA>