

Instructions for use :



1- You must firstly save your file in your desktop and rename it “fichieràtraiter.txt” like this :

```
#Here we will open and read our untreated file that we will treat and extract the important data from  
fichier=open("C:/Users/Administrateur/Desktop/fichieràtraiter.txt", "r")
```

With this function you will open and read your file

2 - With spyder compiler you can run your program with a simple click on this button bellow :



3- You should make sure that your path for the two csv files you will create point to your Desktop (the same loc where you've saved your txt file)

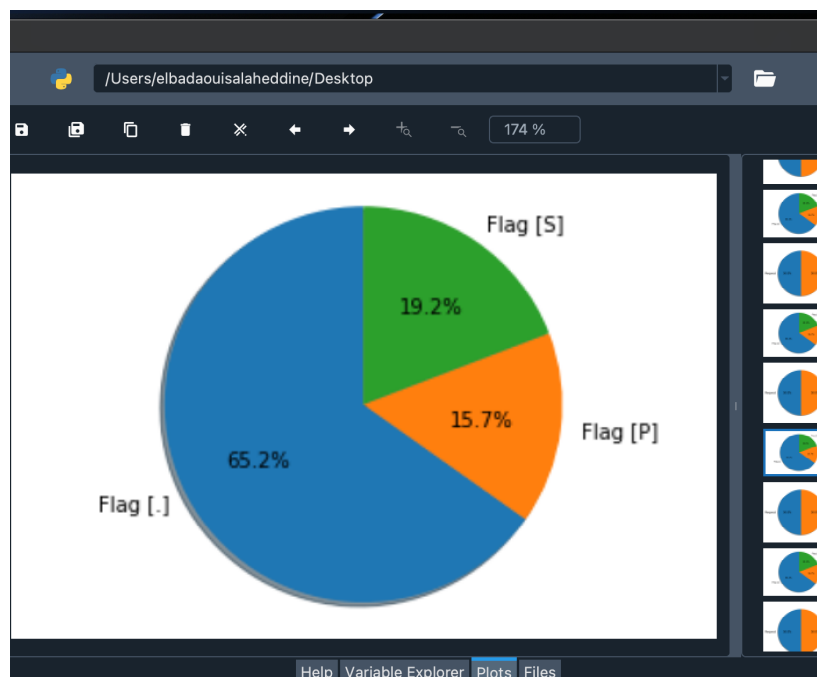
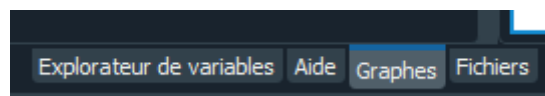
- for your data file (named “données.csv”)

```
#ouverture d'un fichier csv = open a csv file for data extracted from txt file untreated  
with open('C:/Users/Administrateur/Desktop/données.csv', 'w', newline='') as fichiercsv:
```

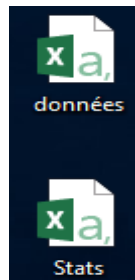
- the same for your stats file (named “stats.csv”)

```
#ouverture d'un fichier csv = open a csv file for different stats  
with open('C:/Users/Administrateur/Desktop/Stats.csv', 'w', newline='') as fichier2:
```

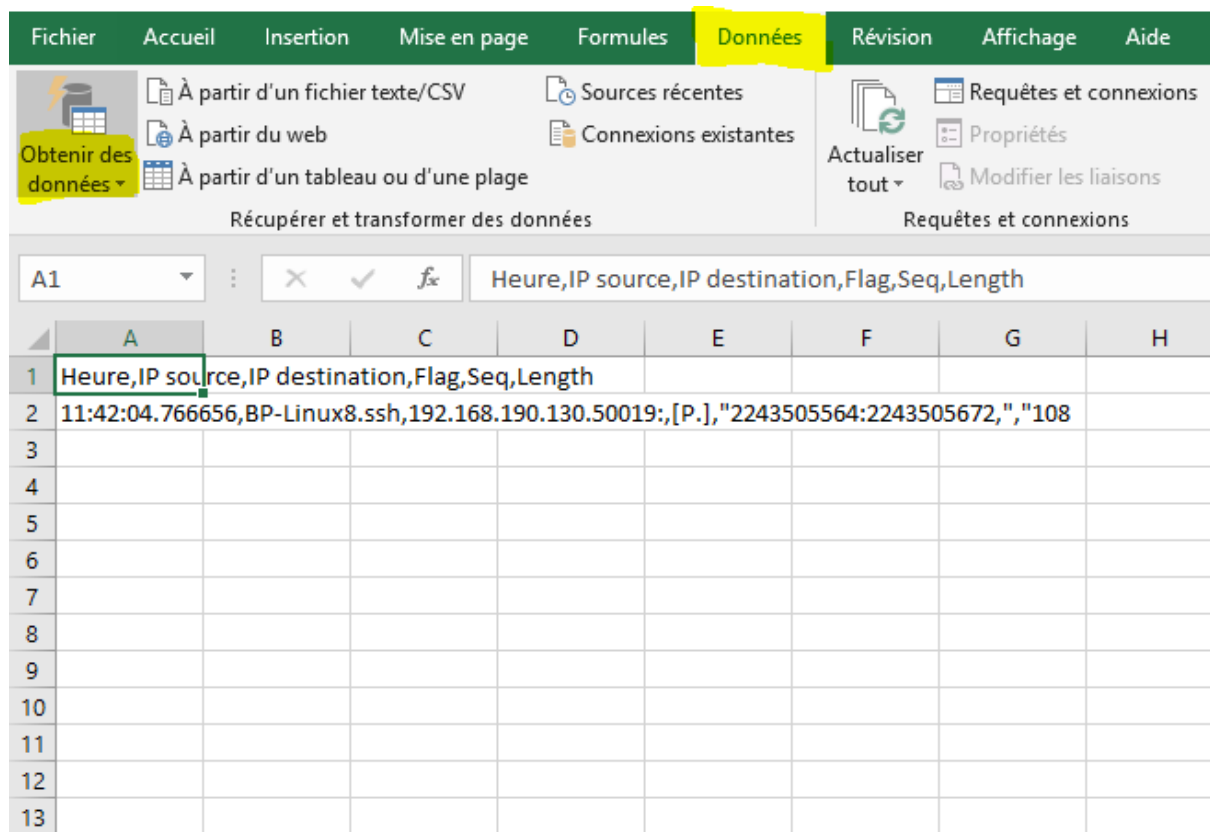
4 - In your spyder compiler you must click on Plot or “graphes” to view the graphics done by the program :



5- After running your program you will get the 2 csv files :

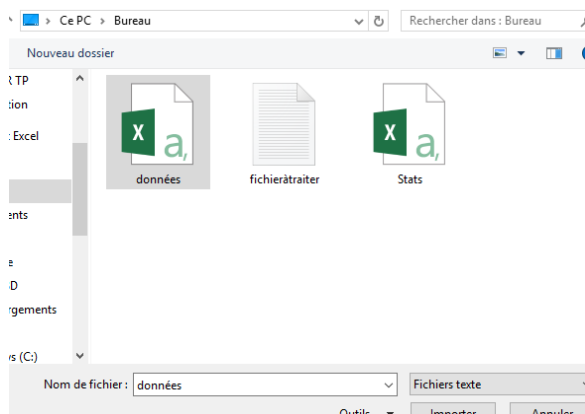


You open them with excel for example and you click on “données” or “data” then “Obtenir des données”



then =>” à partir d’un fichier texte/csv” or “from a text/csv file”

then select the csv file we created by python program :



to obtain a good sorted spreadsheet like this :

A	B	C	D	E	F	G	H	I	J	K	L
1	Heure	IP source	IP destination	Flag	Seq	Length					
2	11:42:05	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	2243505564:22435056	108					
3	11:42:05	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	108:144,	36					
4	11:42:05	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	144:252,	108					
5	11:42:05	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	252:288,	36					
6	11:42:05	192.168.190.130.50019	BP-Linux8.ssh:	[.]	1601828178:16018282	0					
7	11:42:05	192.168.190.130.50019	BP-Linux8.ssh:	[.]	1:37,	0					
8	11:42:05	192.168.190.130.50019	BP-Linux8.ssh:	[.]	37:153,	0					
9	11:42:05	192.168.190.130.50019	BP-Linux8.ssh:	[.]	153:189,	0					
10	11:42:06	BP-Linux8.58466	ns1.lan.rt.domain:	[P.]	326991629:326991749	36					
11	11:42:06	ns1.lan.rt.domain	BP-Linux8.58466:	[P.]	920517760:920517880	36					
12	11:42:07	192.168.190.130.50245	BP-Linux8.ssh:	[P.]	556803824:556803944	116					
13	11:42:07	BP-Linux8.ssh	192.168.190.130.50245:	[P.]	1921632185:19216323	36					
14	11:42:07	BP-Linux8.53220	ns1.lan.rt.domain:	[S]	1170972654:11709727	120:					
15	11:42:07	ns1.lan.rt.domain	BP-Linux8.53220:	[S]	754504426:754504546	120:					
16	11:42:07	BP-Linux8.ssh	192.168.190.130.50245:	[S]	669863147:669863267	120:					
17	11:42:07	BP-Linux8.ssh	192.168.190.130.50245:	[S]	1036593434:10365935	120:					
18	11:42:07	190-0-175-100.gba.solunet.com.ar.2465	184.107.43.74.http:	[S]	473640609:473640729	120:					
19	11:42:07	190-0-175-100.gba.solunet.com.ar.2466	184.107.43.74.http:	[S]	294639309:294639429	120:					
20	11:42:07	190-0-175-100.gba.solunet.com.ar.2467	184.107.43.74.http:	[S]	2003734750:20037348	120:					
21	11:42:07	190-0-175-100.gba.solunet.com.ar.2468	184.107.43.74.http:	[S]	943277646:943277766	120:					
22	11:42:07	190-0-175-100.gba.solunet.com.ar.2469	184.107.43.74.http:	[S]	612921749:612921869	120:					
23	11:42:07	190-0-175-100.gba.solunet.com.ar.2470	184.107.43.74.http:	[S]	1079269685:10792698	120:					
24	11:42:07	190-0-175-100.gba.solunet.com.ar.2471	184.107.43.74.http:	[S]	1427118982:14271191	120:					
25	11:42:07	190-0-175-100.gba.solunet.com.ar.2472	184.107.43.74.http:	[S]	1481846896:14818470	120:					
26	11:42:07	190-0-175-100.gba.solunet.com.ar.2473	184.107.43.74.http:	[S]	807245684:807245804	120:					
27	11:42:07	190-0-175-100.gba.solunet.com.ar.2474	184.107.43.74.http:	[S]	29032482:29032602,	120:					
28	11:42:07	190-0-175-100.gba.solunet.com.ar.2475	184.107.43.74.http:	[S]	2121432424:21214325	120:					
29	11:42:07	190-0-175-100.gba.solunet.com.ar.2476	184.107.43.74.http:	[S]	266983944:266984064	120:					
30	11:42:07	190-0-175-100.gba.solunet.com.ar.2477	184.107.43.74.http:	[S]	780253659:780253779	120:					
31	11:42:07	190-0-175-100.gba.solunet.com.ar.2478	184.107.43.74.http:	[S]	426927737:426927857	120:					
32	11:42:07	190-0-175-100.gba.solunet.com.ar.2479	184.107.43.74.http:	[S]	2059846495:20598466	120:					
33	11:42:07	190-0-175-100.gba.solunet.com.ar.2480	184.107.43.74.http:	[S]	485695892:485696012	120:					
34	11:42:07	190-0-175-100.gba.solunet.com.ar.2481	184.107.43.74.http:	[S]	1506899314:15068994	120:					
35	11:42:07	190-0-175-100.gba.solunet.com.ar.2482	184.107.43.74.http:	[S]	1974670292:19746704	120:					
36	11:42:07	190-0-175-100.gba.solunet.com.ar.2483	184.107.43.74.http:	[S]	984948282:984948402	120:					
37	11:42:07	190-0-175-100.gba.solunet.com.ar.2484	184.107.43.74.http:	[S]	2071134208:20711343	120:					
38	11:42:07	190-0-175-100.gba.solunet.com.ar.2485	184.107.43.74.http:	[S]	582048290:582048410	120:					
39	11:42:07	190-0-175-100.gba.solunet.com.ar.2486	184.107.43.74.http:	[S]	1414722580:14147227	120:					
40	11:42:07	190-0-175-100.gba.solunet.com.ar.2487	184.107.43.74.http:	[S]	337613344:33761336	120:					

After you do the same stapes for the other csv file “stats.csv” and you will get this :

A	B	C	D	E	F	G	H	I
1	Flag[P] (PUSH)	Flag[S] (SYN)	Flag[.] (ACK)	Nombre total de trames	nombre de request	nombre de reply	nombre de sequence	nombre de acknowldg
2	762	2022	1840	4804	17	17	3883	2662
3								
4								
5								

Remark :

if you have a mac os with an ios operating system it could be with another way by using its software for spreadsheets called “Numbers” :



once your file is opened you got this immediately without doing anything :

Données

Heure	IP source	IP destination	Flag	Seq	Length
11:42:04.766656	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	2243505564:2243505672,	108
11:42:04.766694	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	108:144,	36
11:42:04.766723	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	144:252,	108
11:42:04.766744	BP-Linux8.ssh	192.168.190.130.50019:	[P.]	252:288,	36
11:42:04.785366	192.168.190.130.50019	BP-Linux8.ssh:	[.]	1601828178:1601828214,	0
11:42:04.785384	192.168.190.130.50019	BP-Linux8.ssh:	[.]	1:37,	0
11:42:04.785406	192.168.190.130.50019	BP-Linux8.ssh:	[.]	37:153,	0
11:42:04.785454	192.168.190.130.50019	BP-Linux8.ssh:	[.]	153:189,	0
11:42:05.768334	BP-Linux8.58466	ns1.lan.rt.domain:	[P.]	326991629:326991749,	36
11:42:05.769075	ns1.lan.rt.domain	BP-Linux8.58466:	[P.]	920517760:920517880,	36
11:42:06.669393	192.168.190.130.50245	BP-Linux8.ssh:	[P.]	556803824:556803944,	116
11:42:06.669906	BP-Linux8.ssh	192.168.190.130.50245:	[P.]	1921632185:1921632305,	36
11:42:06.679262	BP-Linux8.53220	ns1.lan.rt.domain:	[S]	1170972654:1170972774,	120:
11:42:06.679971	ns1.lan.rt.domain	BP-Linux8.53220:	[S]	754504426:754504546,	120:
11:42:06.681188	BP-Linux8.ssh	192.168.190.130.50245:	[S]	669863147:669863267,	120:
11:42:06.681222	BP-Linux8.ssh	192.168.190.130.50245:	[S]	1036593434:1036593554,	120:
11:42:06.681248	190-0-175-100.gba.solunet.com.ar.2465	184.107.43.74.http:	[S]	473640609:473640729,	120:
11:42:06.681274	190-0-175-100.gba.solunet.com.ar.2466	184.107.43.74.http:	[S]	294639309:294639429,	120:
11:42:06.681294	190-0-175-100.gba.solunet.com.ar.2467	184.107.43.74.http:	[S]	2003734750:2003734870,	120:
11:42:06.681312	190-0-175-100.gba.solunet.com.ar.2468	184.107.43.74.http:	[S]	943277646:943277766,	120:
11:42:06.681328	190-0-175-100.gba.solunet.com.ar.2469	184.107.43.74.http:	[S]	612921749:612921869,	120:
11:42:06.681345	190-0-175-100.gba.solunet.com.ar.2470	184.107.43.74.http:	[S]	1079269685:1079269805,	120:
11:42:06.681362	190-0-175-100.gba.solunet.com.ar.2471	184.107.43.74.http:	[S]	1427118982:1427119102,	120:
11:42:06.681379	190-0-175-100.gba.solunet.com.ar.2472	184.107.43.74.http:	[S]	1481846896:1481847016,	120:
11:42:06.681396	190-0-175-100.gba.solunet.com.ar.2473	184.107.43.74.http:	[S]	807245684:807245804,	120:

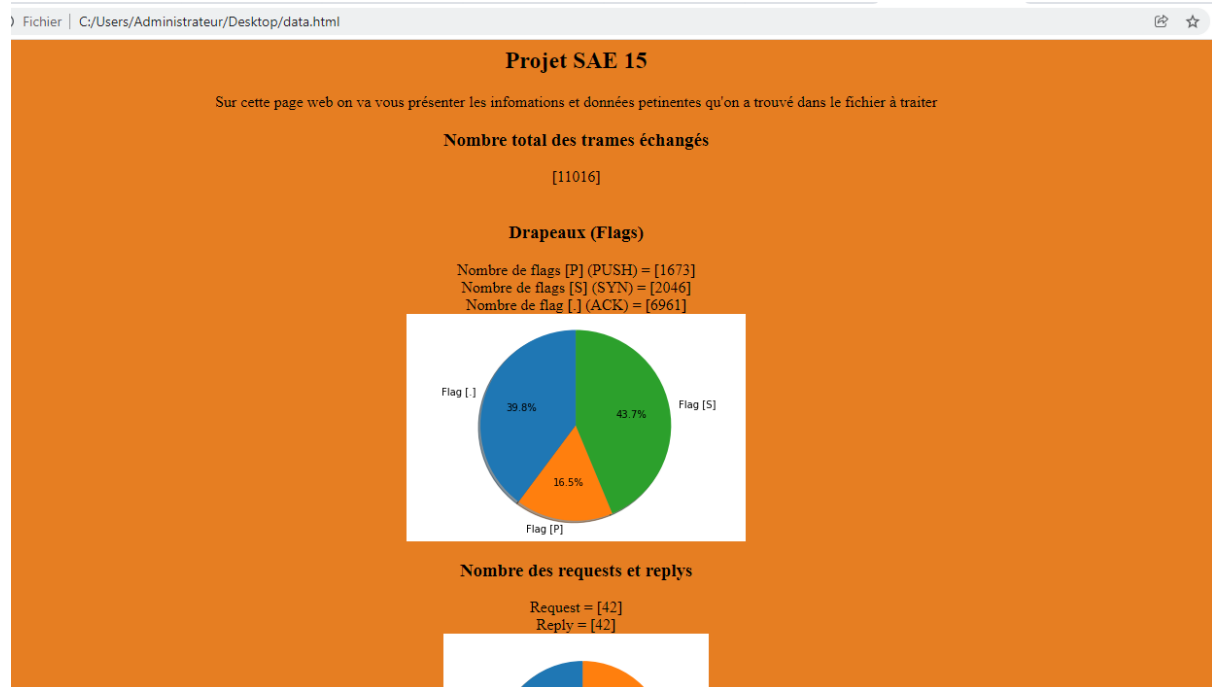
6- for the page web and its display you should firstly specify the good path in which you hope find your html file as always (we will choose desktop also) and we name it data :

```
with open("C:/Users/Administrateur/Desktop/data.html", "w") as html:
    html.write(htmlcontenu)
```

After running your program you will get this icon on your desktop :
(it can change according to your default webbrowser)

Then you click on it and it opens a web page on your browser
with the some important information and stats :





Remark :

The python program is well commented on each important part to understand it easily .