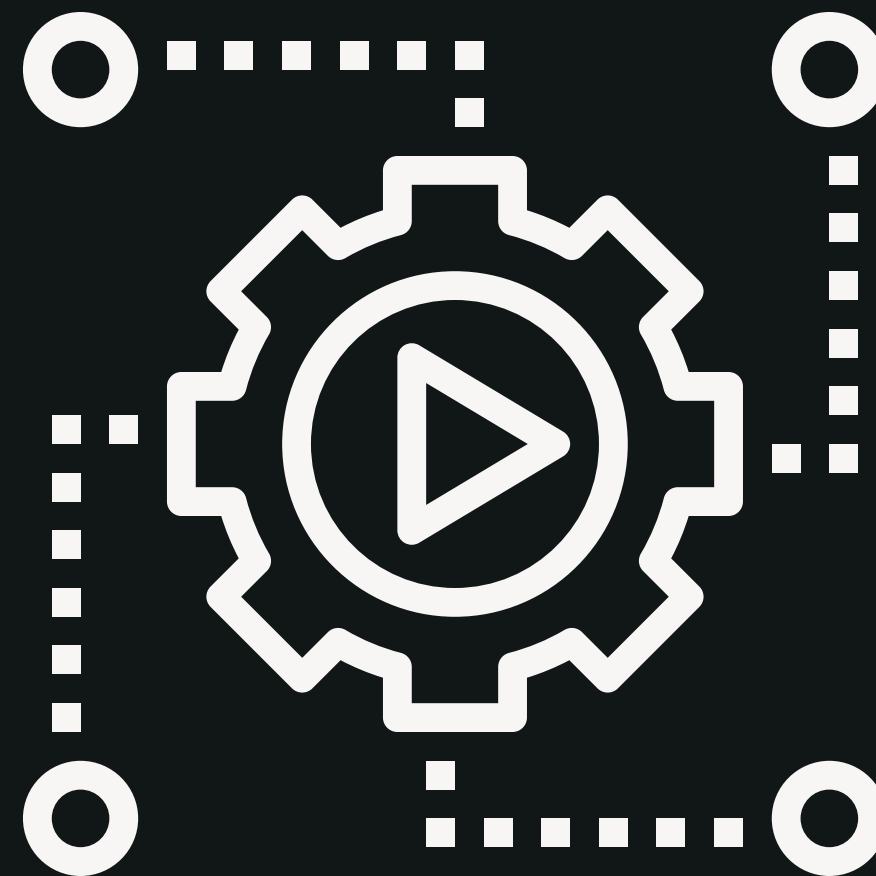
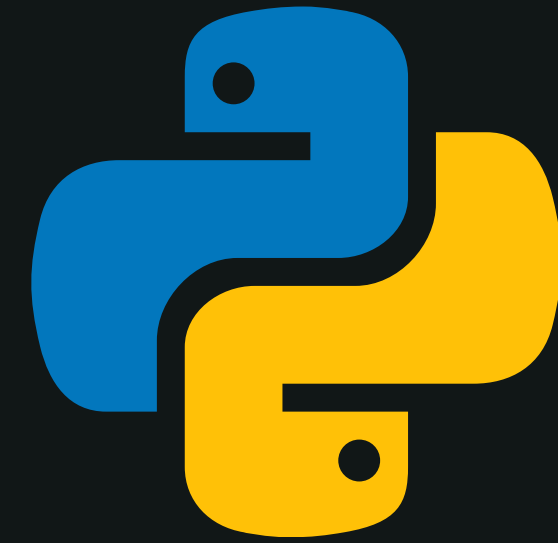


TALLER 2

Automatizar Excel usando pandas



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
1	Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin percentage	gross income	Rating	
2	750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08:00	Ewallet	522.83	4.761904762	26.1415	9.1	
3	226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	3/8/2019	10:29:00	Cash	76.4	4.761904762	3.82	9.6	
4	631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23:00	Credit card	324.31	4.761904762	16.2155	7.4	
5	123-19-1176	A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33:00	Ewallet	465.76	4.761904762	23.288	8.4	
6	373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	2/8/2019	10:37:00	Ewallet	604.17	4.761904762	30.2085	5.3	
7	699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30:00	Ewallet	597.73	4.761904762	29.8865	4.1	
8	355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36:00	Ewallet	413.04	4.761904762	20.652	5.8	
9	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38:00	Ewallet	735.6	4.761904762	36.78	8	
10	665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	1/10/2019	17:15:00	Credit card	72.52	4.761904762	3.626	7.2	
11	692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27:00	Credit card	164.52	4.761904762	8.226	5.9	
12	351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	2/6/2019	18:07:00	Ewallet	57.92	4.761904762	2.896	4.5	
13	529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	3/9/2019	17:03:00	Cash	102.04	4.761904762	5.102	6.8	
14	365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	2/12/2019	10:25:00	Ewallet	234.75	4.761904762	11.7375	7.1	
15	252-56-2699	A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	2/7/2019	16:48:00	Ewallet	431.9	4.761904762	21.595	8.2	
16	829-34-3910	A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	19:21:00	Cash	713.8	4.761904762	35.69	5.7	
17	299-46-1805	B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116	590.436	1/15/2019	16:19:00	Cash	562.32	4.761904762	28.116	4.5	
18	656-95-9349	A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	3/11/2019	11:03:00	Credit card	482.51	4.761904762	24.1255	4.6	
19	765-26-6951	A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	1/1/2019	10:39:00	Credit card	435.66	4.761904762	21.783	6.9	
20	329-62-1586	A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	18:00:00	Credit card	164.01	4.761904762	8.2005	8.6	
21	319-50-3348	B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.03	84.63	3/11/2019	15:30:00	Ewallet	80.6	4.761904762	4.03	4.4	
22	300-71-4605	C	Naypyitaw	Member	Male	Electronic accessories	86.04	5	21.51	451.71	2/25/2019	11:24:00	Ewallet	430.2	4.761904762	21.51	4.8	
23	371-85-5789	B	Mandalay	Normal	Male	Health and beauty	87.98	3	13.197	277.137	3/5/2019	10:40:00	Ewallet	263.94	4.761904762	13.197	5.1	
24	273-16-6619	B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	12:20:00	Credit card	66.4	4.761904762	3.32	4.4	
25	636-48-8204	A	Yangon	Normal	Male	Electronic accessories	34.56	5	8.64	181.44	2/17/2019	11:15:00	Ewallet	172.8	4.761904762	8.64	9.9	



PROBLEMA

Archivos con una gran cantidad de información de la cual no toda la necesitamos.

	A	B	C	D	E	F	
1	Customer type	Gender	Product line	Unit price	Quantity	Payment	
2	Normal	Female	Electronic	15.28	5	Cash	
3	Member	Male	Electronic	25.51	4	Cash	
4	Normal	Female	Health and beauty	71.38	10	Cash	
5	Member	Female	Sports and outdoors	93.72	6	Cash	
6	Normal	Male	Fashion accessories	33.52	1	Cash	
7	Normal	Female	Food and beverages	88.36	5	Cash	
8	Normal	Male	Health and beauty	24.89	9	Cash	
9	Member	Male	Sports and outdoors	78.07	9	Cash	
10	Normal	Male	Sports and outdoors	83.78	8	Cash	
11	Member	Male	Home and lifestyle	30.12	8	Cash	
12	Member	Male	Home and lifestyle	56.11	2	Cash	
13	Member	Female	Sports and outdoors	69.12	6	Cash	
14	Member	Female	Food and beverages	98.7	8	Cash	
15	Member	Male	Health and beauty	15.37	2	Cash	
16	Member	Female	Electronic	93.96	4	Cash	
17	Member	Male	Food and beverages	91.4	7	Cash	
18	Member	Female	Food and beverages	44.59	5	Cash	
19	Normal	Female	Electronic	85.98	8	Cash	
20	Member	Male	Home and lifestyle	44.34	2	Cash	



SOLUCIÓN

Aplicar filtros para la información que verdaderamente es útil en determinado momento

LIBRERÍA UTILIZADA

PANDAS

Es una librería de Python especializada en el manejo y análisis de estructuras de datos.

Características:

- Permite leer y escribir fácilmente ficheros en formato CSV, Excel y bases de datos SQL.
- Permite acceder a los datos mediante índices o nombres para filas y columnas.
- Realiza todas estas operaciones de manera muy eficiente.



¡EMPECEMOS!

