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+ableau®

Temas

- Limpieza de datos
- Cálculos en tablas
- Visualización de datos
- Ejercicio en clase

Cargar data

Tableau Public - Book1

File Data Help



Connect

To a File

Excel

Text file

Access

JSON file

PDF file

Spatial file

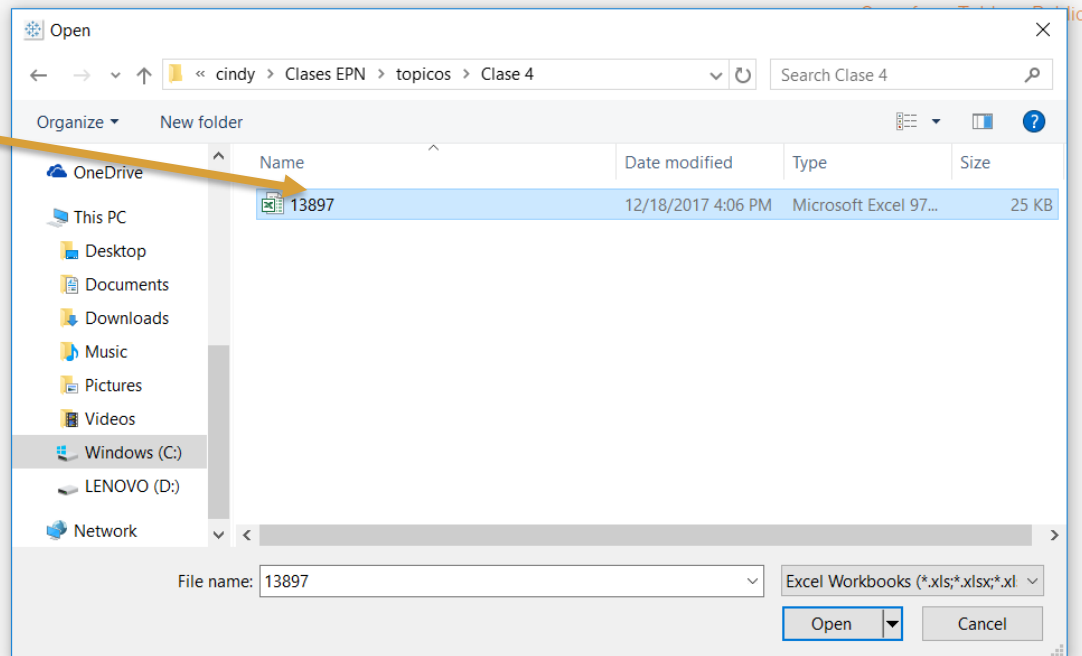
Statistical file

To a Server

OData

More...

Open



Cargar data

Tableau Public - Book1

FileDataWindowHelp

←

→

↺

Connections

Add

13897

Excel

Sheets

☐ Use Data Interpreter

Data Interpreter might be able to clean your Excel workbook.

tabla-13897

New Union

tabla-13897 (13897)

Sort fields

Data source order

☐ Show aliases

Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc	Abc
tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
Hipotecas. Mens...	null	null	null	null	null	null	null	null	null	null	null	null
Resultados nacio...	null	null	null	null	null	null	null	null	null	null	null	null
Hipotecas consti...	null	null	null	null	null	null	null	null	null	null	null	null
Unidades: Hipote...	null	null	null	null	null	null	null	null	null	null	null	null
null	Total	null	null	null	null	null	null	null	null	null	null	null
null	Número de hipot...	null	null	null	null	null	null	null	null	null	null	null
null	2017M09	2017M08	2017M07	2017M06	2017M05	2017M04	2017M03	2017M02	2017M01	2016M12	2016M11	2016M10
Total Nacional	40,277	35,772	34,408	40,908	40,194	29,022	38,509	35,108	37,870	29,181	35,302	33,429
01 Andalucía	7,645	7,513	6,217	7,981	7,339	6,086	6,932	6,086	6,781	5,866	7,069	6,047
02 Aragón	1,095	889	1,141	1,015	1,515	722	968	1,290	1,236	825	1,208	1,249
03 Asturias, Prin...	688	731	652	795	763	511	735	723	783	625	941	773

Go to Worksheet

Hoja de trabajo

The screenshot displays the Tableau Public interface for a workbook titled 'Tableau Public - Book1'. The top menu bar includes 'File', 'Data', 'Worksheet', 'Dashboard', 'Story', 'Analysis', 'Map', 'Format', 'Window', and 'Help'. Below the menu is a toolbar with various icons for navigation and editing. The main workspace is divided into several panes:

- Data** pane: Shows a data source named 'tabla-13897 (13897)'.
- Dimensions** pane: Lists a series of fields from 'F1' to 'F32', each preceded by 'Abc'.
- Measures** pane: Shows two default measure types: 'Number of Records' and 'Measure Values'.
- Columns** and **Rows** shelves: Currently empty.
- Filters** shelf: Currently empty.
- Marks** shelf: Set to 'Automatic'. Below it are buttons for 'Color', 'Size', 'Text', 'Detail', and 'Tooltip'.
- Sheet 1**: The main visualization area, which is currently blank and contains the text 'Drop field here' in two locations.

Archivo fuente

1	Hipotecas. Mensuales.					
2	Resultados nacionales y por comunidades autonomas.					
3						
4	Hipotecas constituidas sobre el total de fincas por entidad que concede el préstamo					
5	Unidades: Hipotecas					
6						
7	Total					
8						
9	2017M09	2017M08	2017M07	2017M06	2017M05	
10	Total Nacional	40,277	35,772	34,408	40,908	40,194
11	01 Andalucía	7,645	7,513	6,217	7,981	7,339
12	02 Aragón	1,095	889	1,141	1,015	
13	03 Asturias, Principado de	688	731	652	795	
14	04 Balears, Illes	1,280	1,247	1,423	1,365	
15	05 Canarias	1,552	1,713	1,560	2,041	
16	06 Cantabria	405	374	338	368	
17	08 Castilla - La Mancha	1,579	1,554	1,687	1,453	
18	07 Castilla y León	1,666	1,510	1,540	1,726	
19	09 Cataluña	6,463	5,273	5,660	5,954	
20	18 Ceuta	28	37	28	51	
21	10 Comunitat Valenciana	4,516	3,581	3,349	4,215	
22	11 Extremadura	651	669	458	685	
23	12 Galicia	1,445	1,452	1,290	1,563	
24	13 Madrid, Comunidad de	7,100	5,740	5,792	7,645	
25	19 Melilla	29	38	62	70	
26	14 Murcia, Región de	1,174	939	959	1,110	
27	15 Navarra, Comunidad Foral de	431	567	445	515	
28	16 País Vasco	2,037	1,707	1,512	1,954	
29	17 Rioja, La	493	238	295	402	
30						

Ventas Online							
1	Fecha	Región	ID Producto	Categoría	Clicks	Impresion	Coste
2	11/04/2017	Andalusia	EC53359	EC	0	13	0
3	11/04/2017	Andalusia	MN10504	MN	0	1	0
4	11/04/2017	Andalusia	EC98246	EC	5	22	3.53
5	11/04/2017	Andalusia	MM60020	MM	0	1	0
6	11/04/2017	Andalusia	MM28424	MM	0	3	0
7	11/04/2017	Andalusia	EC94204	EC	1	17	0.95
8	11/04/2017	Andalusia	MM36525	MM	0	3	0
9	11/04/2017	Andalusia	MM47403	MM	0	8	0
10	11/04/2017	Andalusia	MH50430	MH	0	3	0
11	11/04/2017	Andalusia	EC87138	EC	2	39	5.56
12	11/04/2017	Andalusia	LI90482	LI	0	3	0
13	11/04/2017	Andalusia	MM40533	MM	3	9	3.66
14	11/04/2017	Andalusia	MM36358	MM	2	5	0.38
15	11/04/2017	Andalusia	EL24324	EL	69	1065	59.01
16	11/04/2017	Andalusia	EC73144	EC	0	37	0
17	11/04/2017	Andalusia	EC86022	EC	2	63	3.18
18	11/04/2017	Andalusia	EC24517	EC	0	10	0
19	11/04/2017	Andalusia	EC63831	EC	2	29	3.2
20	11/04/2017	Andalusia	MH26031	MH	1	7	1.17
21	11/04/2017	Andalusia	EC36978	EC	0	24	0
22	11/04/2017	Andalusia	MN38056	MN	0	2	0
23	11/04/2017	Andalusia	LI76193	LI	0	3	0

Eliminar datos vacíos y organizar el formato

AutoSave 13897 - Compatibility Mode - Excel CINDY PAMELA LOPEZ CHULCA

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

Insert Function AutoSum Recently Used Financial Logical Text Date & Time Lookup & Reference Math & Trig More Functions Name Manager Define Name Use in Formula Create from Selection Trace Precedents Trace Dependents Remove Arrows Show Formulas Error Checking Evaluate Formula Watch Window Calculation Options Calculate Now Calculate Sheet

Function Library Formula Auditing

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1											
2											
3											
4											
5											
6											
7											
8											
9											
10	2016M11	2016M10	2017M01	2016M12	2016M11	2016M10					
11	31,397	29,739	0	0	0	0	2017M09	2017M08	2017M07	2017M06	2017M05
12	6,325	5,315	0	0	0	0	4,226	3,667	3,961	4,457	
13	1,011	1,061	0	0	0	0	735	697	664	752	
14	774	533	0	0	0	0	139	127	139	164	
15	1,093	904	0	0	0	0	179	192	170	198	
16	1,502	3,107	0	0	0	0	76	57	249	68	
17	356	360	0	0	0	0	259	100	205	146	
18	983	992	0	0	0	0	18	29	14	22	
19	1,178	1,248	0	0	0	0	441	241	358	283	
20	4,112	4,044	0	0	0	0	222	194	213	280	
21	18	109	0	0	0	0	516	469	522	471	
22	3,654	2,926	0	0	0	0	0	1	0	3	
23	632	541	0	0	0	0	389	309	360	497	
24	1,508	1,132	0	0	0	0	38	59	31	56	
25	5,479	5,223	0	0	0	0	83	116	59	122	
26	61	77	0	0	0	0	269	247	309	327	
27	807	688	0	0	0	0	12	9	18	28	
28	224	223	0	0	0	0	166	117	140	179	
29	1,518	1,121	0	0	0	0	170	273	131	175	
30	162	135	0	0	0	0	458	389	304	480	
31							56	41	75	206	

Cargar el archivo Excel nuevamente

Tableau Public - Book1

File Data Window Help

Connections [Add](#)

13897
Excel

Sheets [P](#)

tabla-13897

New Union

tabla-13897 (13897)

tabla-13897

Sort fields Data source order

☐ Show aliases ☐ Show hidden fields

Abc	Abc	#	#	#	#	#	#	#	#	#	#
tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897
Region	Entidad	2017M09	2017M08	2017M07	2017M06	2017M05	2017M04	2017M03	2017M02	2017M01	2016M12
01 Andalucía	Banco	6,910	6,816	5,553	7,229	6,552	5,349	6,132	5,309	5,945	5,000
02 Aragón	Banco	956	762	1,002	851	1,342	599	797	1,048	983	800
03 Asturias, Prin...	Banco	509	539	482	597	515	343	548	516	550	400
04 Balears, Illes	Banco	1,204	1,190	1,174	1,297	1,241	855	1,368	1,080	1,310	800
05 Canarias	Banco	1,293	1,613	1,355	1,895	1,447	1,231	1,262	1,294	1,512	1,300
06 Cantabria	Banco	387	345	324	346	376	342	431	677	459	300
08 Castilla - La M...	Banco	1,138	1,313	1,329	1,170	1,165	894	1,223	1,020	1,262	700
07 Castilla y León	Banco	1,444	1,316	1,327	1,446	1,455	1,257	1,345	1,279	1,199	1,000
09 Cataluña	Banco	5,947	4,804	5,138	5,483	5,622	4,084	5,784	4,640	5,115	3,800
18 Ceuta	Banco	28	36	28	48	59	54	33	41	92	0
10 Comunitat Val...	Banco	4,127	3,272	2,989	3,718	4,020	2,682	3,841	3,429	3,492	2,700

The image shows the Tableau Public interface. At the top is a menu bar with options: File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Window, and Help. Below the menu is a toolbar with various icons for navigation and editing. The main workspace is divided into several panes:

- Data Pane:** Shows a data source named 'tabla-13897 (13897)'. It lists dimensions: 'Entidad', 'Region', and 'Measure Names'. It also lists measures: '2016M10', '2016M11', '2016M12', '2017M01', '2017M02', '2017M03', '2017M04', '2017M05', '2017M06', '2017M07', '2017M08', '2017M09', 'Number of Records', and 'Measure Values'.
- Columns and Rows Shelves:** Both are empty.
- Filters Shelf:** Empty.
- Marks Card:** Set to 'Automatic'. It includes buttons for 'Color', 'Size', 'Text', 'Detail', and 'Tooltip'.
- Worksheet:** Titled 'Sheet 1', it is currently blank with a vertical line on the left and a horizontal line at the top.

At the bottom of the worksheet area, there is a text prompt: 'Drop field here'.



Data

Analytics

tabla-13897 (13897)

Dimensions

Abc Entidad

Abc Region

Abc Measure Names

Measures

2016M10

2016M11

2016M12

2017M01

2017M02

2017M03

2017M04

2017M05

2017M06

2017M07

2017M08

2017M09

Number of Records

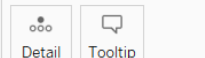
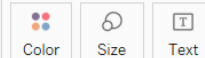
Measure Values

Pages

Filters

Marks

Automatic



SUM(2016M10)

Columns

Entidad

Rows

Region

Sheet 1

Entidad

Region	Banco	Otras ..
01 Andalucía	5,315	732
02 Aragón	1,061	188
03 Asturias, Princip..	533	240
04 Balears, Illes	904	41
05 Canarias	3,107	161
06 Cantabria	360	10
07 Castilla y León	1,248	214
08 Castilla - La Manc..	992	246
09 Cataluña	4,044	475
10 Comunitat Valen..	2,926	332
11 Extremadura	541	40
12 Galicia	1,132	44
13 Madrid, Comunid..	5,223	273
14 Murcia, Región de	688	155
15 Navarra, Comuni..	223	183
16 País Vasco	1,121	297
17 La Rioja	135	47
18 Ceuta	109	0
19 Melilla	77	12

Tableau Public - Book1

FileDataWindowHelp

13897

Excel

Connections

Add

Sheets

tabla-13897

New Union

tabla-13897 (13897)

Filters
0Add

Sort fieldsData source order

Show aliases

Show hidden fields

38

rows

Abc	#	#	#	#	#	#	#	#	#	#	#	#
tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897	tabla-13897
Entidad	2017M09	2017M08	2017M07	2017M06	2017M05	2017M04	2017M03	2017M02	2017M01	2016M12	2016M11	2016M10
Otras entidades	516	469	522	471			564	465	488	377	471	475
...	389	309	360	497			484	482	512	307	396	332
Otras entidades	38	59	31	56			84	51	60	64	41	40
Otras entidades	83	116	59	122			50	92	78	74	69	44
...	269	247	309	327	262	304	280	262	365	237	276	273
...	166	117	140	179	175	144	182	156	159	110	134	155
...	170	273	131	175	226	125	220	167	230	145	189	183
Otras entidades	458	389	304	480	462	293	570	417	364	336	396	297
Otras entidades	56	41	75	206	59	35	61	49	45	31	36	47
Otras entidades	0	1	0	3	2	0	1	7	0	1	0	0
Otras entidades	12	9	18	28	13	5	8	17	14	3	4	12

Redistribuir campos

Tableau Public - Book1

File Data Window Help

Connections Add

13897
Excel

Sheets +

tabla-13897

New Union

tabla-13897 (13897)

tabla-13897

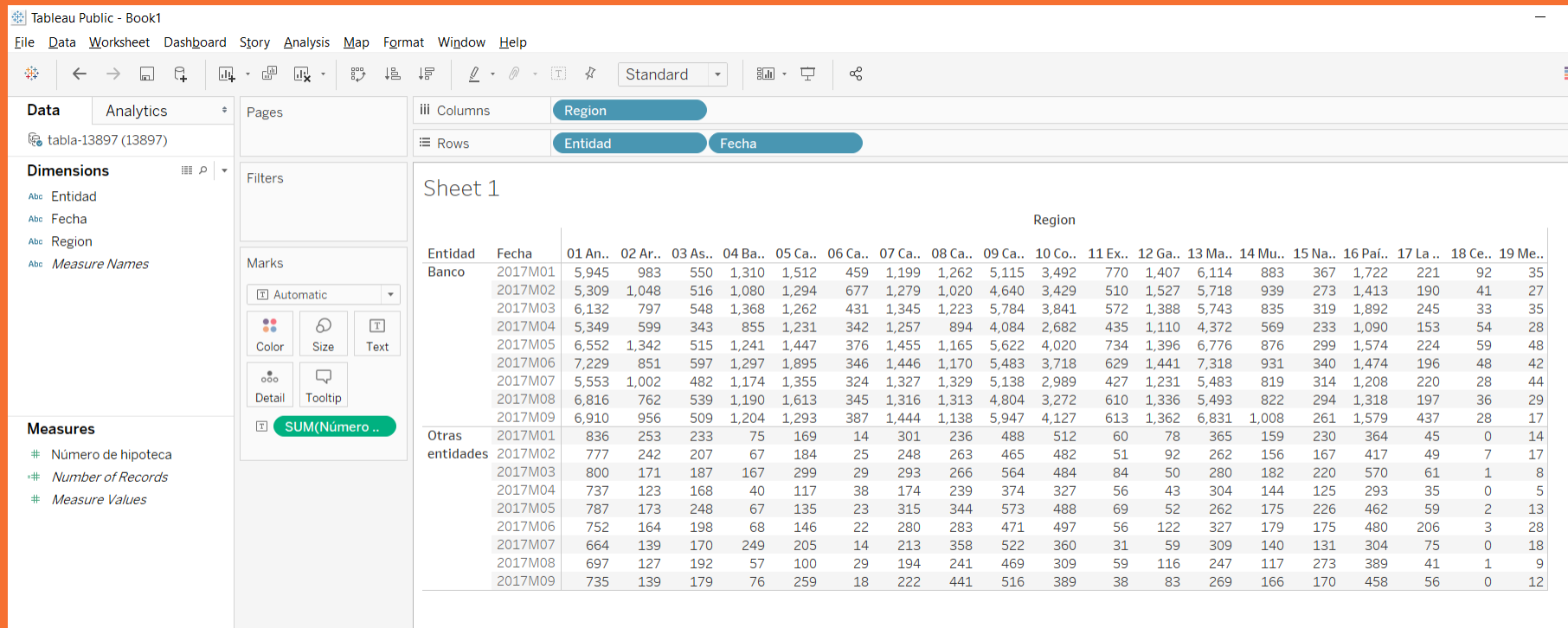
Sort fields Data source order

Fecha	Número de hipoteca	Region	Entidad
2017M01	5,945	01 Andalucía	Banco
2017M01	983	02 Aragón	Banco
2017M01	550	03 Asturias, Prin...	Banco
2017M01	1,310	04 Balears, Illes	Banco
2017M01	1,512	05 Canarias	Banco
2017M01	459	06 Cantabria	Banco
2017M01	1,262	08 Castilla - La M...	Banco
2017M01	1,199	07 Castilla y León	Banco
2017M01	5,115	09 Cataluña	Banco
2017M01	92	18 Ceuta	Banco
2017M01	3,492	10 Comunitat Val...	Banco

Go to Worksheet

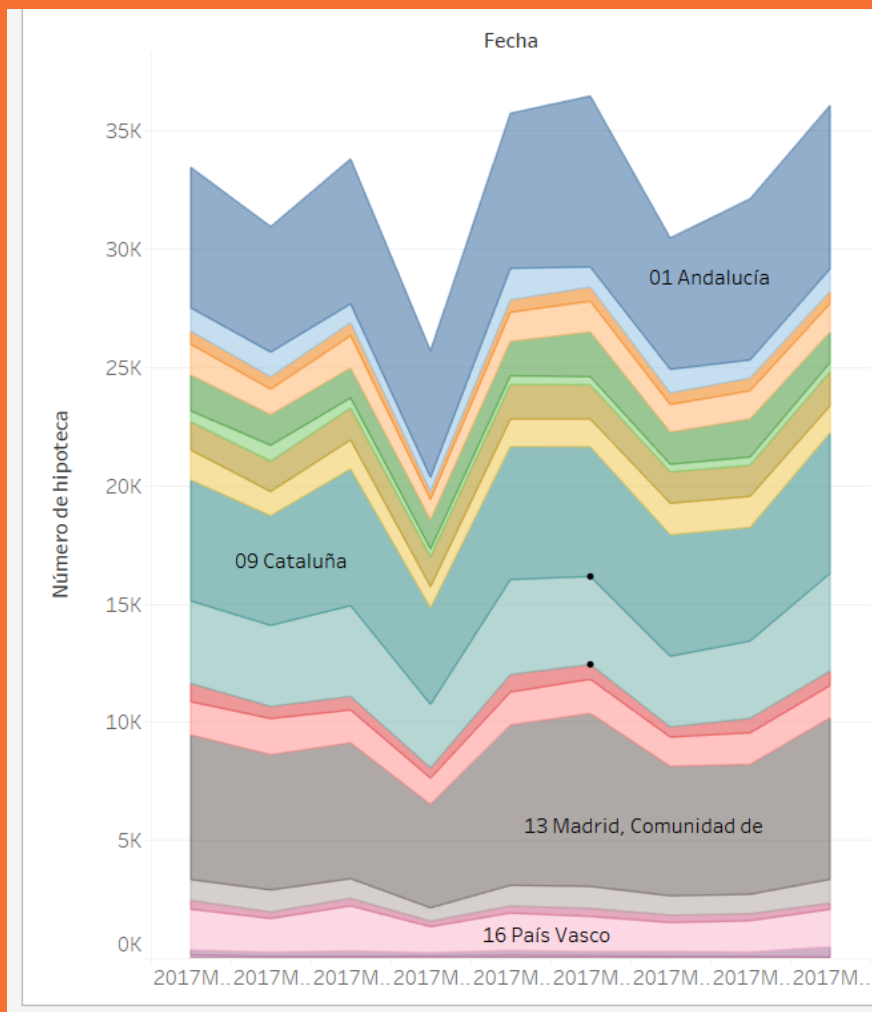
Data Source Sheet 1

Visualizar número de hipotecas por fecha



Ejercicio 1

- Realizar un gráfico de número de hipotecas emitidas por mes
- Mostrar nombre de región
- Aplicar filtro por entidad emisora de hipotecas



Ejercicio 2

Trabajar con el archivo
SuperTienda.xls



Ejemplo-SuperTienda

- Visualizar los ingresos totales para cada producto
- Crear el campo calculado **Ingresos (Cantidad*Precio)**
- De los ingresos calculados solo el 60% se queda en la empresa. Calcular el **Ingreso neto (Ingresos*0.6)**.
- Realizar un gráfico tipo **Mapa de árbol** que muestre Ingresos por países.
- Realizar mapa con rol geográfico de ingresos netos por países
- Realizar un Dashboard con todas las visualizaciones realizadas con filtro dinámico.

Categoría	Sub-Categoría de Producto	Prom. Precio			
Producto		Cantidad	Unidad	Ingresos	Ingreso Neto
Material de Oficina	Bandas Elásticas	4,920	€3.01	€14,904.14	€8,942.48
	Bolígrafos y Lapiceros	16,980	€9.62	€167,606.14	€100,563.68
	Cajas	13,804	€79.90	€1,071,692.05	€643,015.23
	Carpetas y Archivadores	22,992	€57.60	€1,030,080.11	€618,048.07
	Electrodomésticos	10,901	€72.64	€742,594.02	€445,556.41
	Etiquetas	7,301	€5.51	€38,738.15	€23,242.89
	Papel	30,871	€14.41	€442,678.34	€265,607.00
	Sobres	6,578	€26.20	€175,378.27	€105,226.96
	Tijeras, Reglas y Cortador...	3,931	€42.37	€81,710.84	€49,026.50
Mobiliario	Estanterías	4,891	€172.83	€818,861.80	€491,317.08
	Mesas	9,195	€221.39	€2,021,587.44	€1,212,952.46
	Mesas y Armarios	9,590	€183.14	€1,759,794.60	€1,055,876.76
	Suministros de Oficina	20,648	€33.33	€697,755.30	€418,653.18
Tecnología	Accesorios Computadora	19,222	€42.50	€801,142.54	€480,685.52
	Fotocopiadoras y Fax	2,128	€745.97	€1,141,428.72	€684,857.23
	Maquinaria de Oficina	7,856	€565.72	€2,256,505.18	€1,353,903.11
	Teléfonos	22,969	€98.35	€2,244,717.31	€1,346,830.39

Hoja 6

