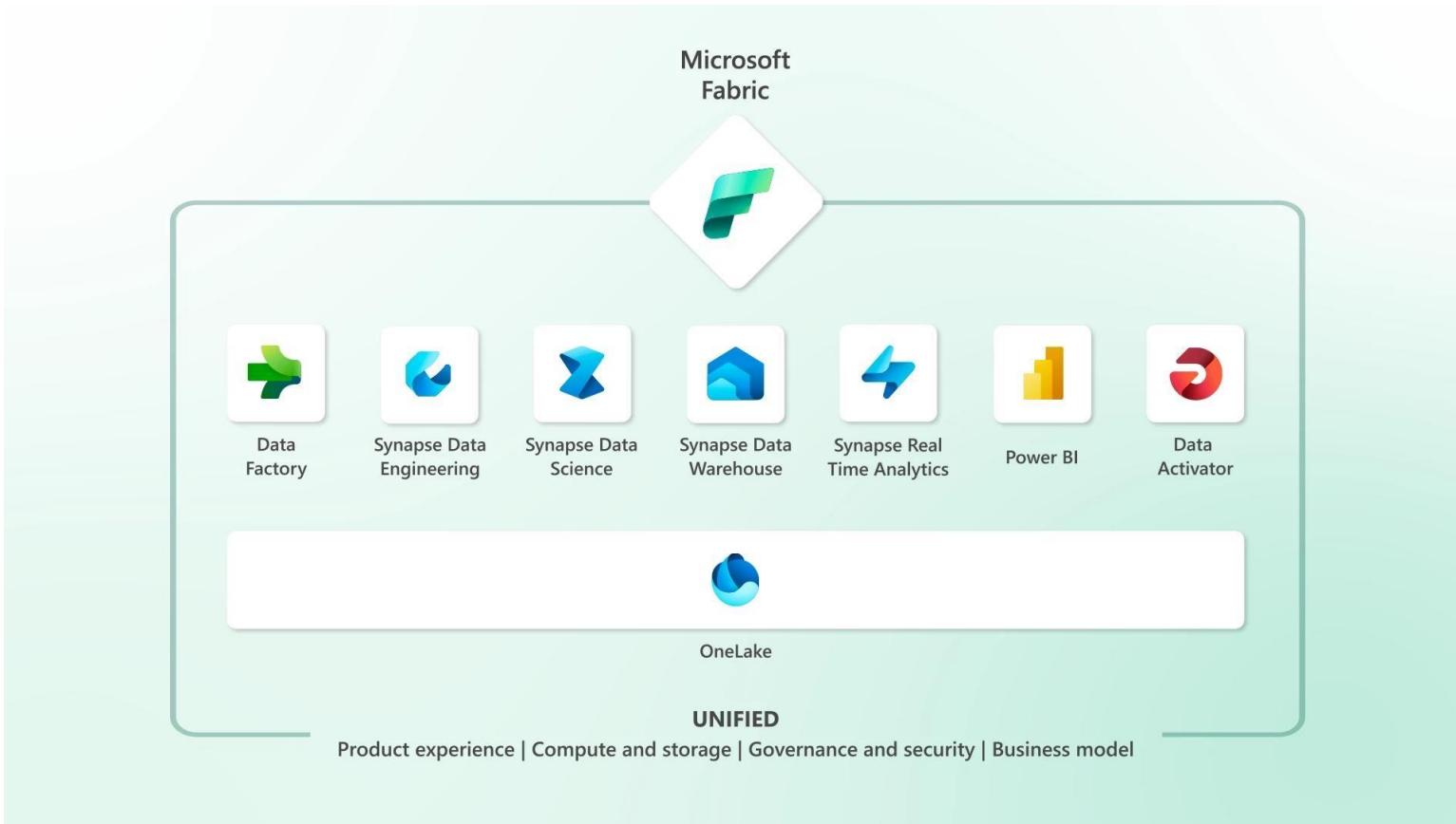


Power BI

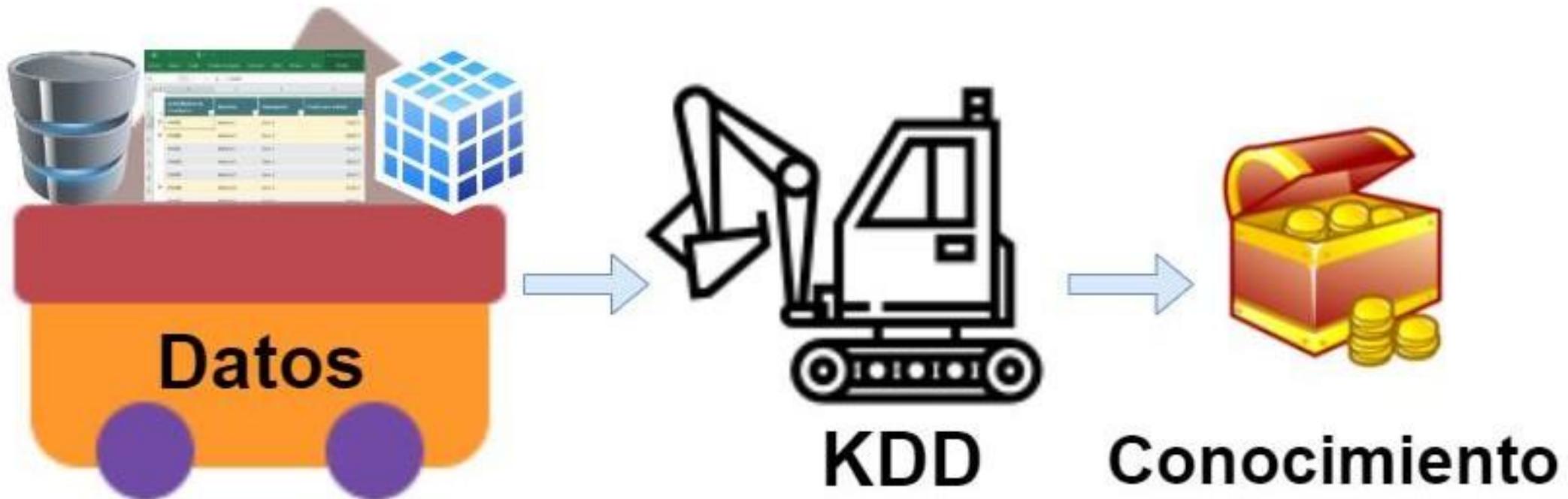


PRESENTACIONES

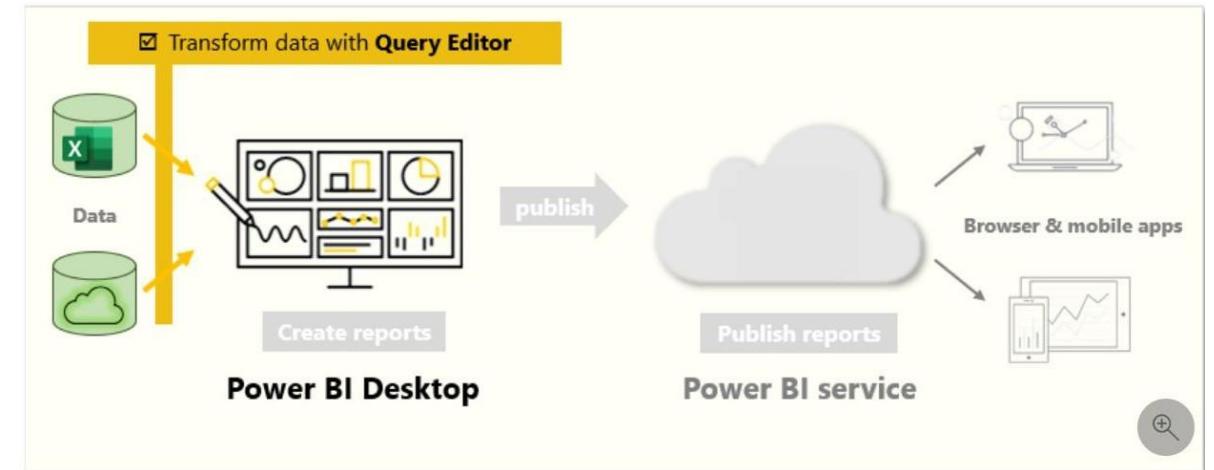
MICROSOFT FABRIC



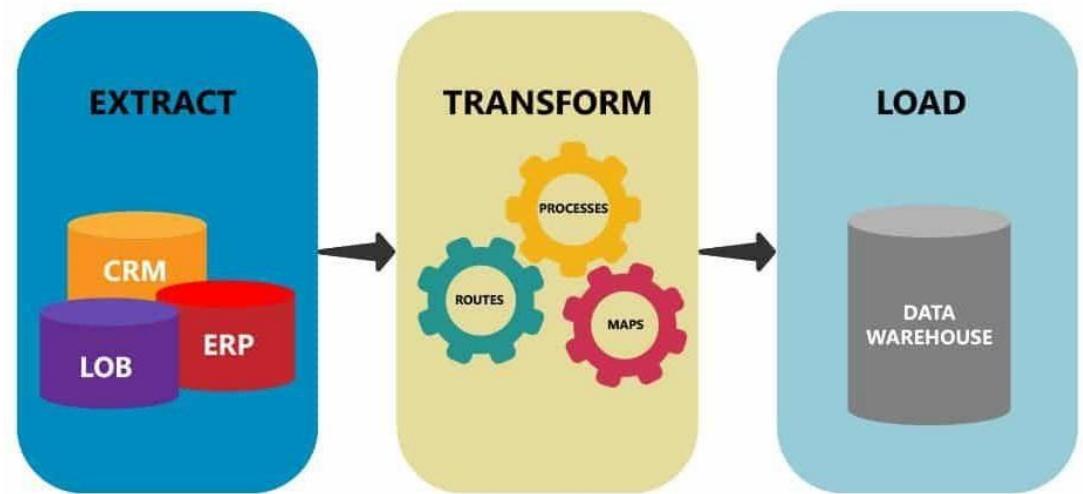
PREPROCESAMIENTO



POWER QUERY



ETL



ETL - Extract, Transform, Load

Search

Display options ▾

 Invoices Order_Details Order_Details_Extendeds Order_Subtotals Orders Orders_Qries Product_Sales_for_1997 Products Products_Above_Average... Products_by_Categories Regions Sales_by_Categories Sales_Totals_by_Amounts Shippers Summary_of_Sales_by_...

Suppliers

 SupplierID	CompanyName	ContactName	ContactTitle	Address
1	Exotic Liquids	Charlotte Cooper	Purchasing Manager	49 Gilbert St.
2	New Orleans Cajun Delights	Shelley Burke	Order Administrator	P.O. Box 78934
3	Grandma Kelly's Homestead	Regina Murphy	Sales Representative	707 Oxford Rd.
4	Tokyo Traders	Yoshi Nagase	Marketing Manager	9-8 Sekimai Musashino-shi
5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saave...	Export Administrator	Calle del Rosal 4
6	Mayumi's	Mayumi Ohno	Marketing Representative	92 Setsuko Chuo-ku
7	Pavlova, Ltd.	Ian Devling	Marketing Manager	74 Rose St. Moonie Ponds
8	Specialty Biscuits, Ltd.	Peter Wilson	Sales Representative	29 King's Way
9	PB Knäckebröd AB	Lars Peterson	Sales Agent	Kaloadagatan 13
10	Refrescos Americanas LTDA	Carlos Diaz	Marketing Manager	Av. das Americanas 12.890
11	Heli Süßwaren GmbH & Co. KG	Petra Winkler	Sales Manager	Tiergartenstraße 5
12	Plutzer Lebensmittelgroßmärkte AG	Martin Bein	International Marketing M...	Bogenallee 51
13	Nord-Ost-Fisch Handelsgesellschaft m...	Sven Petersen	Coordinator Foreign Mark...	Frahmredder 112a
14	Formaggi Fortini s.r.l.	Elio Rossi	Sales Representative	Viale Dante, 75
15	Norske Meierier	Beate Vileid	Marketing Manager	Hatlevagen 5
16	Bigfoot Breweries	Cheryl Saylor	Regional Account Rep.	3400 - 8th Avenue Suite 210
17	Svensk Sjöföda AB	Michael Björn	Sales Representative	Brovallavägen 231
	Ariastiques	Guylène Nodier	Sales Manager	203, Rue des Francs-Bourgeois
		Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Re
		Ekaka	Owner	471 Serangoon Loop, Suite #402
			Sales Manager	Lyngbysild Fiskebakken 10

VENTAJAS

Cancel

Create

EDITOR AVANZADO

Sales Orders

Display Options ... ?

```
let
    Source = Sql.Database("localhost", "tsqlv4"),
    Sales_Orders = Source{[Schema="Sales",Item="Orders"]}[Data],
    #"Split Column by Delimiter" = Table.SplitColumn(Sales_Orders, "shipaddress", Splitter.SplitTextByDelimiter(",", QuoteStyle.Csv), {"shipaddress.1", "shipaddress.2"}),
    #"Changed Type" = Table.TransformColumnTypes(#"Split Column by Delimiter",{{"shipaddress.1", type text}, {"shipaddress.2", type text}})
in
    #"Changed Type"
```

✓ No syntax errors have been detected.

1

form Add column View Help

Manage parameters Refresh Advanced editor Choose columns Remove columns Keep rows Remove rows Sort ABC 123 Data type: Text ▾ Use first row as headers ▾ Merge queries Append queries Combine files Map to entity CDM Insights

Parameters Query Manage columns Reduce rows Transform Combine CDM Insights

Source{[Name = "Customers", Signature = "table"]}[Data]

CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57	Berlin	null
ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Avda. de la Constitución 2222	México D.F.	null
ANTON	Antonio Moreno Taquería	Antonio Moreno		Mataderos 2312	México D.F.	null
AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.	London	null
BERGS	Berglunds snabbköp	Christina Berglund	Order Administrator	Berguvsvägen 8	Luleå	null
BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative	Forsterstr. 57	Mannheim	null
BLONP	Blondesddsl père et fils	Frédérique Citeaux	Marketing Manager	24, place Kléber	Strasbourg	null
BOLID	Bólido Comidas preparadas	Martín Sommer	Owner	C/ Araquil, 67	Madrid	null
BONAP	Bon app'	Laurence Lebihan	Owner	12, rue des Bouchers	Marseille	null
BOTTM	Bottom-Dollar Markets	Elizabeth Lincoln	Accounting Manager	23 Tsawassen Blvd.	Tsawassen	BC
BSBEV	B's Beverages	Victoria Ashworth	Sales Representative	Fauntleroy Circus	London	null
CACTU	Cactus Comidas para llevar	Patricia Simpson	Sales Agent	Cerrito 333	Buenos Aires	null
CENTC	Centro comercial Moctezuma	Francisco Chang	Marketing Manager	Sierras de Granada 9993	México D.F.	null
CHINW	Chop-suey Chinese		Owner	Hauptstr. 29	Bern	null
FRANZ	Fränkische Feuerweissbierbrouwerij			Av. dos Lusíadas, 23	Sao Paulo	SP
GRENZ	Grenzenlos Bier aus Braunschweig			Berkeley Gardens 12 Brewery	London	null
GRUNN	Gruenwald Bier			21	Aachen	null
HALST	Halstensens Konditori			21	Nantes	null
OLIVE	Olive Garden Italian Restaurant & Bar			Chateaubriand 12		
OMAR	Omarr Bier			Chateaubriand 12		
OPUSQ	Opus Q			Chateaubriand 12		
QUICK	Quick Marts			Chateaubriand 12		
RATTC	Rattigan's Specialty Bistro			Chateaubriand 12		
SCARF	Scarfista Srl			Chateaubriand 12		
SPAR	Spargos Supermarket			Chateaubriand 12		
TRADL	Tradelink			Chateaubriand 12		
UNIFR	Unifrutti Frutta e Verdura			Chateaubriand 12		
VASTA	Västanfors Bokhandel			Chateaubriand 12		
WEILM	Weilman's Bier			Chateaubriand 12		
ZEEGEN	Zeegeen Bier			Chateaubriand 12		

Query settings

- Properties Name: Customers Entity type: Custom
- Applied steps: Source, Naviga

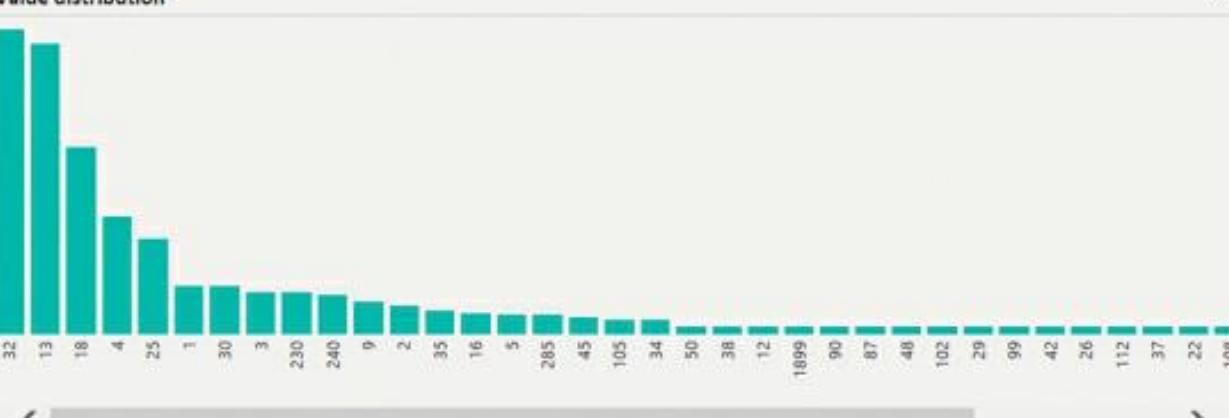
EDITOR DE POWER QUERY

Cancel

Save

	1 ² ₃ Employee Key		1 ² ₃ Parent Employee Key	A ^B _C Employee	A ^B _C Title	A ^B _C Email					
	● Valid ● Error ● Empty	100%	● Valid ● Error ● Empty	85%	● Valid ● Error ● Empty	100%	● Valid ● Error ● Empty	100%	● Valid ● Error ● Empty	100%	
1	0			null	Unknown	N/A			N/A		
2	3			4	Hudson Onslow	Salesperson			hudson.onslow@wideworldimporters.com		
3	4			19	Isabella Rupp	Manager			isabella.rupp@wideworldimporters.com		
4	6			4	Sophia Hinton	Salesperson			sophia.hinton@wideworldimporters.com		
5	7			4	Amy Treffl	Salesperson			amy.treffl@wideworldimporters.com		
6	8			12	Anthony Grosse	Salesperson			anthony.grosse@wideworldimporters.com		
7	12			19	Henry Forlonge	Manager			henry.forlonge@wideworldimporters.com		
8	13			12	Hudson Hollinworth	Salesperson			hudson.hollinworth@wideworldimporters.com		
9	14			20	Lily Code	Salesperson			lily.code@wideworldimporters.com		
10	15			20	Taj Shand	Salesperson			taj.shand@wideworldimporters.com		
11	16			20	Archer Lamble	Salesperson			archer.lamble@wideworldimporters.com		
12	19			null	Jai Shand	Director			jai.shand@wideworldimporters.com		
13	20			19	Jack Potter	Manager			jack.potter@wideworldimporters.com		

Stock Item Key	Stock Item	Color	Selling Package	Buying Package	
<ul style="list-style-type: none"> ● Valid 100% ● Error 0% ● Empty 0%  672 distinct, 672 unique	<ul style="list-style-type: none"> ● Valid 100% ● Error 0% ● Empty 0%  228 distinct, 1 unique	<ul style="list-style-type: none"> ● Valid 100% ● Error 0% ● Empty 0%  9 distinct, 0 unique	<ul style="list-style-type: none"> ● Valid 100% ● Error 0% ● Empty 0%  5 distinct, 1 unique	<ul style="list-style-type: none"> ● Valid 100% ● Error 0% ● Empty 0%  4 distinct, 1 unique	 2
1	83 Animal with big feet slippers (Brown) XL	N/A	Each	Each	
2	84 Animal with big feet slippers (Brown) L	N/A	Each	Each	
3	85 Animal with big feet slippers (Brown) M	N/A	Each	Each	
4	86 Animal with big feet slippers (Brown) S	N/A	Each	Each	
5	95 Ogre battery-powered slippers (Green) XL	N/A	Each	Each	
6					

	A ^B _C Selling Package	A ^B _C Buying Package	A ^B _C Brand	A ^B _C Size	Is Chiller Stock	Unit Price
1%	● Valid ● Error ● Empty	100%	● Valid ● Error ● Empty	100%	● Valid ● Error ● Empty	100%
1%	5 distinct, 1 unique	4 distinct, 1 unique	2 distinct, 0 unique	44 distinct, 0 unique	2 distinct, 0 unique	42 distinct, 1 unique
1	Each	Each	N/A	XL	FALSE	32
2	Each	Each	N/A	L	FALSE	32
3	Each	Each	N/A	M	FALSE	32
4	Each	Each	N/A	S	FALSE	32
5	Each	Each	N/A	XL	FALSE	32
6	Each	Each	N/A	L	FALSE	32
7	Each	Each	N/A	M	FALSE	32
8	Each	Each	N/A	S	FALSE	32
9	-	-	-	-	-	-
Column statistics		Value distribution				
Count	672					
Error	0					
Empty	0					
Distinct	42					
Unique	1					
Nan	0					
Zero	1					
Min	0					
Max	1899					
Average	46.6205...					

CONSOLIDAR CONSULTAS

Merge

Select tables and matching columns to create a merged table.

S&P 500 Component Stocks - List of...

Ticker symbol	Company	SEC filings	GICS Sector	GICS Sub Industry
MMM	3M Company	reports	Industrials	Industrial Conglomer
ABT	Abbott Laboratories	reports	Health Care	Health Care Equipment
ABBV	AbbVie	reports	Health Care	Pharmaceuticals
ANF	Abercrombie & Fitch Company A	reports	Consumer Discretionary	Apparel, Accessories
ACE	ACE Limited	reports	Financials	Property & Casualty

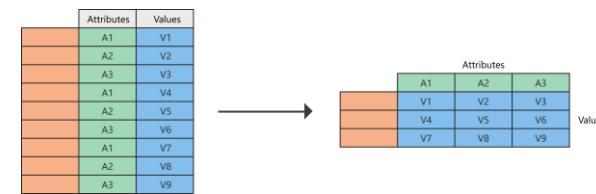
NYSE 2009 - daily

exchange	stock_symbol	date	stock_price_close	stock_gain_loss_dollar	stock_gain_loss_perce
NYSE	AA	39815	12.11	0	0.0
NYSE	AA	39818	11.86	-0.25	-0.2%
NYSE	AA	39819	12.12	0.26	0.2%
NYSE	AA	39820	10.89	-1.23	-0.1%
NYSE	AA	39821	11.36	0.47	0.4%

Only include matching rows

OK Cancel

	A	B	C	Country	Date	1 ² ₃	Value	1 ² ₃
1	USA				6/1/2020		785	
2	USA				7/1/2020		450	
3	USA				8/1/2020		567	
4	Canada				6/1/2020		357	
5	Canada				7/1/2020		421	
6	Canada				8/1/2020		254	
7	Panama				6/1/2020		20	
8	Panama				7/1/2020		40	
9	Panama				8/1/2020		80	



	A	B	C	Country	1 ² ₃	6/1/2020	1 ² ₃	7/1/2020	1 ² ₃	8/1/2020	1 ² ₃
1	Canada					357		421		254	
2	Panama					20		40		80	
3	USA					785		450		567	

DINAMIZACION DE COLUMNAS

	A ^B _C Country	1 ² ₃ 6/1/2020	1 ² ₃ 7/1/2020	1 ² ₃ 8/1/2020
1	USA	785	450	567
2	Canada	357	421	254
3	Panama	20	40	80

Attributes		
	A1	A2
V1	V2	V3
V4	V5	V6
V7	V8	V9



Attributes	Values
A1	V1
A2	V2
A3	V3
A1	V4
A2	V5
A3	V6
A1	V7
A2	V8
A3	V9

	A ^B _C Country	A ^B _C Attribute	1 ² ₃ Value
1	USA	6/1/2020	785
2	USA	7/1/2020	450
3	USA	8/1/2020	567
4	Canada	6/1/2020	357
5	Canada	7/1/2020	421
6	Canada	8/1/2020	254
7	Panama	6/1/2020	20
8	Panama	7/1/2020	40
9	Panama	8/1/2020	80

ANULAR DINAMIZACION DE COLUMNAS

AGRUPAR DATOS

The screenshot shows the Power BI Advanced Editor interface. At the top, the ribbon toolbar includes options like Data source settings, Manage Parameters, Refresh Preview, Properties, Advanced Editor, and various data management tools such as Choose Columns, Remove Columns, Keep Rows, Remove Rows, Reduce Rows, Sort, Split Column, Group By, and Transform. A red circle highlights the 'Group By' button in the ribbon.

The main area displays a table with three rows:

	A description	Table.Date	1.2 SUM value
1	Amazon	1/1/2020	6
2	Amazon	1/2/2020	7
3	Morrisons	1/2/2020	15

Below the table, a 'Group By' dialog box is open, also highlighted with a red circle. It contains the following fields:

- Group By: Specify the column(s) to group by and one or more outputs.
- Advanced radio button selected.
- Grouping columns: description and Table.Date.
- New column name: SUM_value
- Operation: Sum
- Column: Table.value

At the bottom right of the dialog are OK and Cancel buttons.

X

Merge Columns

Choose how to merge the selected columns.

Separator

--None--

New column name (optional)

Merged

OK

Cancel

Merge

Select a table and matching columns to create a merged table.

City

City Key	City	Location	State Province Key
98700	Greenfield	POINT (-90.71261199999993 35.6323013)	4
98706	Grider	POINT (-89.9806435 35.6386903)	4
101245	Schaal	POINT (-93.961022 33.8262286)	4
101362	Wesson	POINT (-92.7626597 33.1154128)	4
94161	Astor Park	POINT (-81.5720175 29.1535911)	9

State Province

State Province Key	State Province	Country	Continent	Sales Territory	Region	Subregion
1	Alabama	United States	North America	Southeast	Americas	Northern America
2	Alaska	United States	North America	Far West	Americas	Northern America
3	Arizona	United States	North America	Southwest	Americas	Northern America
4	Arkansas	United States	North America	Southeast	Americas	Northern America
5	California	United States	North America	Far West	Americas	Northern America

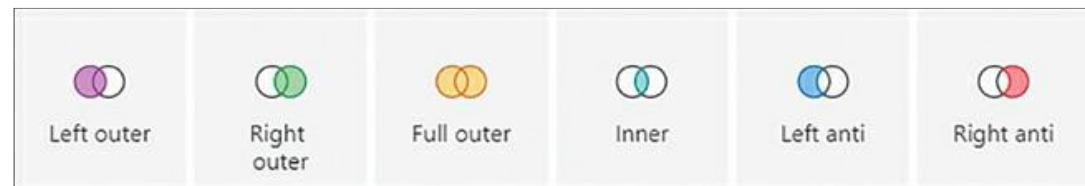
Join Kind

Left Outer (all from first, matching from second)

Use fuzzy matching to perform the merge

> Fuzzy matching options

✓ The selection matches 2599 of 2599 rows from the first table.



Append

Concatenate rows from two tables into a single table.

- Two tables Three or more tables

Table to append

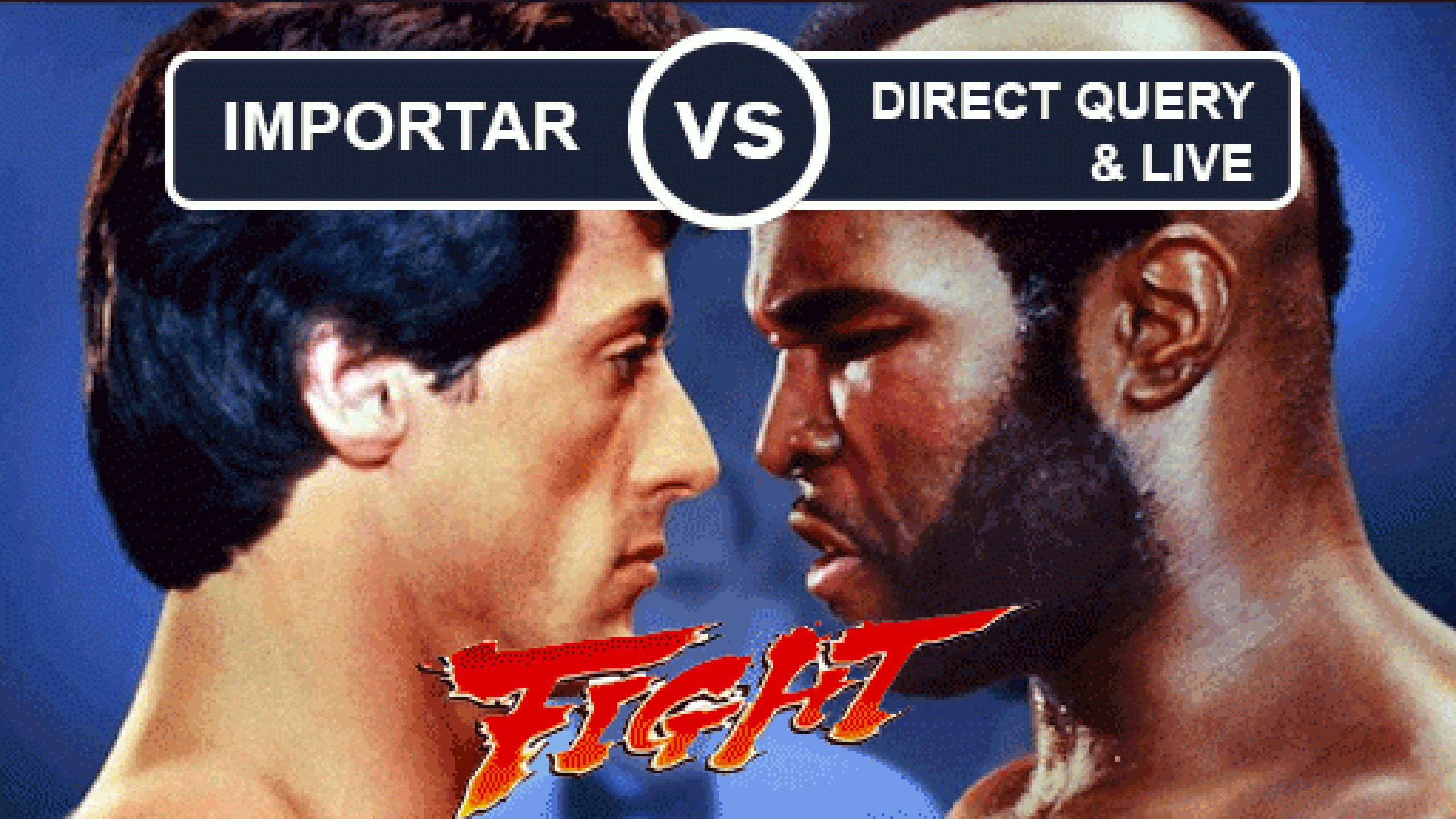
OK

Cancel



EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/POWER-BI-DESKTOP/ADV-DATA-MODELS/4431/](https://www.wiseowl.co.uk/power-bi/exercises/power-bi-desktop/adv-data-models/4431/)

A dramatic, high-contrast photograph of two boxers in profile, facing each other. The boxer on the left is white, and the boxer on the right is Black. They are both shirtless, and their shadows are cast onto a dark background. A large, stylized red 'VS' symbol is positioned between them, with a white outline. The word 'FEAT' is written in a bold, red, jagged font at the bottom of the image.

IMPORTAR

VS

DIRECT QUERY
& LIVE

Data source settings

Manage settings for data sources that you have connected to using Power BI Desktop.

- Data sources in current file Global permissions

Search data source settings



c:\pl-300\targets

c:\pl-300\wideworldimporters.xlsx

Change Source...

Export PBIDS

Edit Permissions...

Clear Permissions

Sources Parameters Refresh Preview Advanced Editor

Choose Columns Remove Rows Keep Rows Remove Rows Sort

Data Type: Whole Number Use First Row as Headers

Transform

	OrderID	Customer Name	Product Name	Product Description
1	1024	Jane Smith	UltraGrip Hammer	A sturdy hammer with an ergonomic grip for carpentry.
2	1025	Darren White	Luminous Bulb 60W	Energy-saving 60W bulb with a bright luminous output.
3	1026	Lucy Roberts	Oakwood Shelf	A durable oakwood shelf for home and office use.
4	1027	Mark Lewis	ProTile Cutter	High precision tile cutter for professional use.
5	1028	Olivia Graham	Garden Glove Set	Comfortable gloves for gardening tasks.
6	1029	Jack Thompson	Steel Nails (1inch)	Rust-resistant steel nails for construction.
7	1030	Mia Hughes	Luxury Paint (Blue)	Premium quality blue paint for interior walls.
8	1031	Aaron Walker	Kitchen Sink (Steel)	Stainless steel kitchen sink with a modern design.
9	1032	Lily Peterson	Power Drill Set	A complete drill set with multiple bits for various tasks.
10	1033	Ben Foster	Floral Wallpaper	Beautiful floral design wallpaper for home decor.
11	1034	Owen Gray	Brass Door Knob	Elegant brass doorknob for interior doors.
12	1035	Amelia Carter	LED Garden Lights	Set of 6 LED lights for garden or pathway illumination.
13	1036	Liam Clark	Compost Bin	Durable compost bin for organic waste.
14	1037	Sophia Turner	Ceramic Vase (Red)	Red ceramic vase for home decor and floral arrangements.
15	1038	Jacob Moore	Patio Chair Set	Set of 2 chairs for patio or balcony seating.
16	1039	Ava Lee	Electric Lawnmower	Efficient electric lawnmower for medium-sized lawns.
17	1040	Ethan Wilson	Kitchen Faucet	Modern kitchen faucet with a chrome finish.
18	1041	Charlotte Adams	Designer Wall Clock	Stylish wall clock with quartz movement.
19	1042	Lucas Taylor	Granite Countertop	Durable granite countertop for kitchens and bathrooms.
20	1043	Mia Roberts	Teakwood Desk	Spacious teakwood desk for office and study areas.
21	1044	Noah White	Marble Floor Tile	Elegant marble tiles for luxurious flooring solutions.
22	1045	Harper Smith	Solar Outdoor Lantern	Solar-powered lantern for garden or patio lighting.
23	1046	Mason Davis	Platinum Shower Head	High-pressure shower head with a sleek platinum finish.

based on top 1000 rows

File Home Transform Add Column View Tools Help

Merge Queries Append Query Combine File Close & Apply New Source Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Rows Keep Rows Remove Rows Sort Split Column Group By Replace Values Data Sources Parameters Query Manage Columns Manage Rows Reduce Rows Sort Transform

Queries [4]

- Countries
- Exchange Data
- Purchases
- Sales

APPLIE

- Paste
- New Query
- New Parameter...
- New Group...**
- Expand All
- Collapse All

123 Country ID Country Exchange ID

Country ID	Country	Exchange ID
1	USA	1
2	UK	2
3	France	3
4	UAE	4
5	Australia	5

3 COLUMNS, 5 ROWS Column profiling based on top 1000 rows

GRUPOS

Manage Parameters

New
ABC
123 Parameter1 X

Name
Parameter1

Description

Required

Type

Any

Suggested Values

Any value

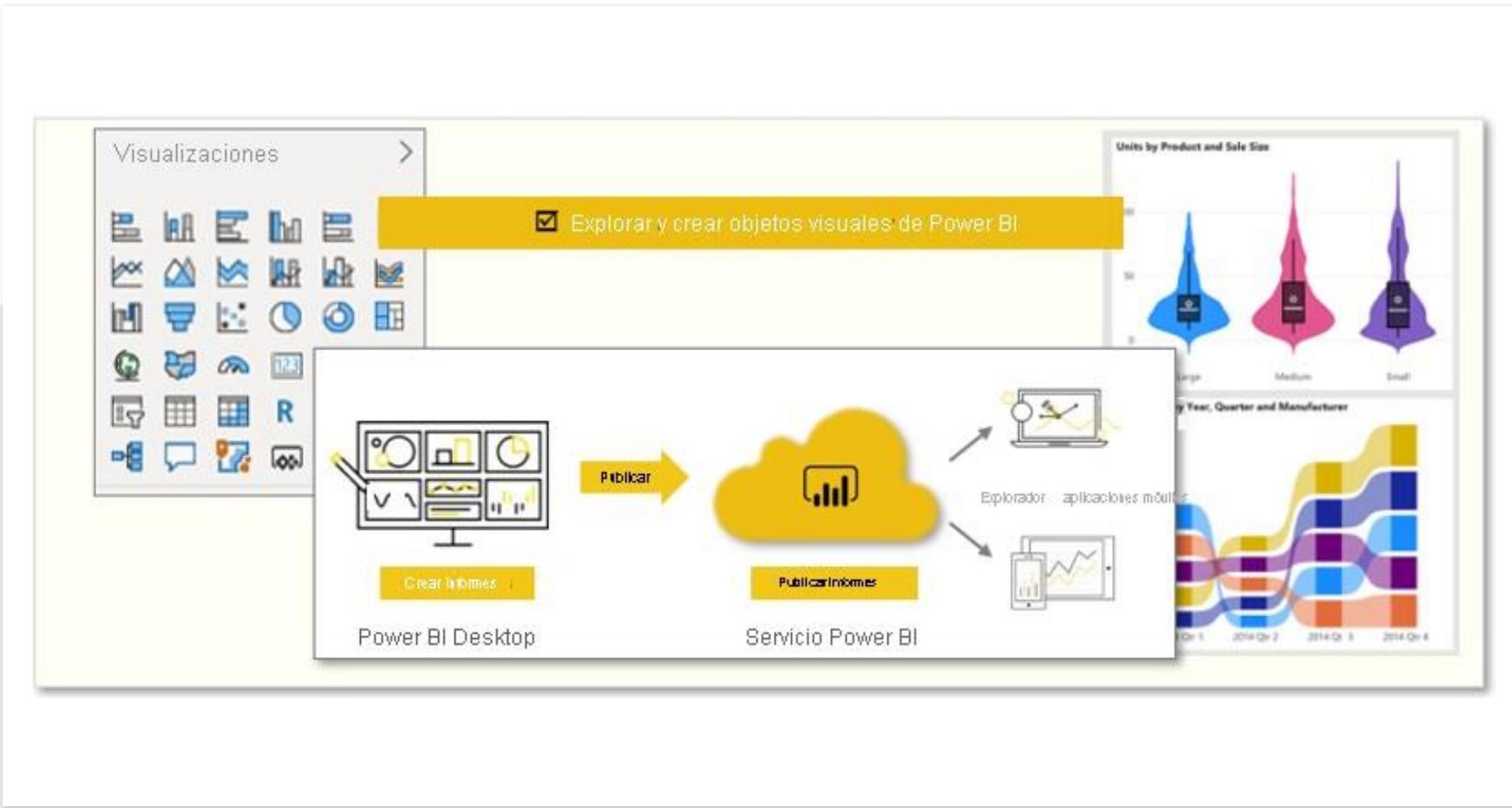
Current Value

OK

Cancel

LABORATORIO 1





VISUALIZACIONES

The image shows two screenshots illustrating the process of adding a custom visual to Power BI.

Left Screenshot: Power BI Visualizations pane

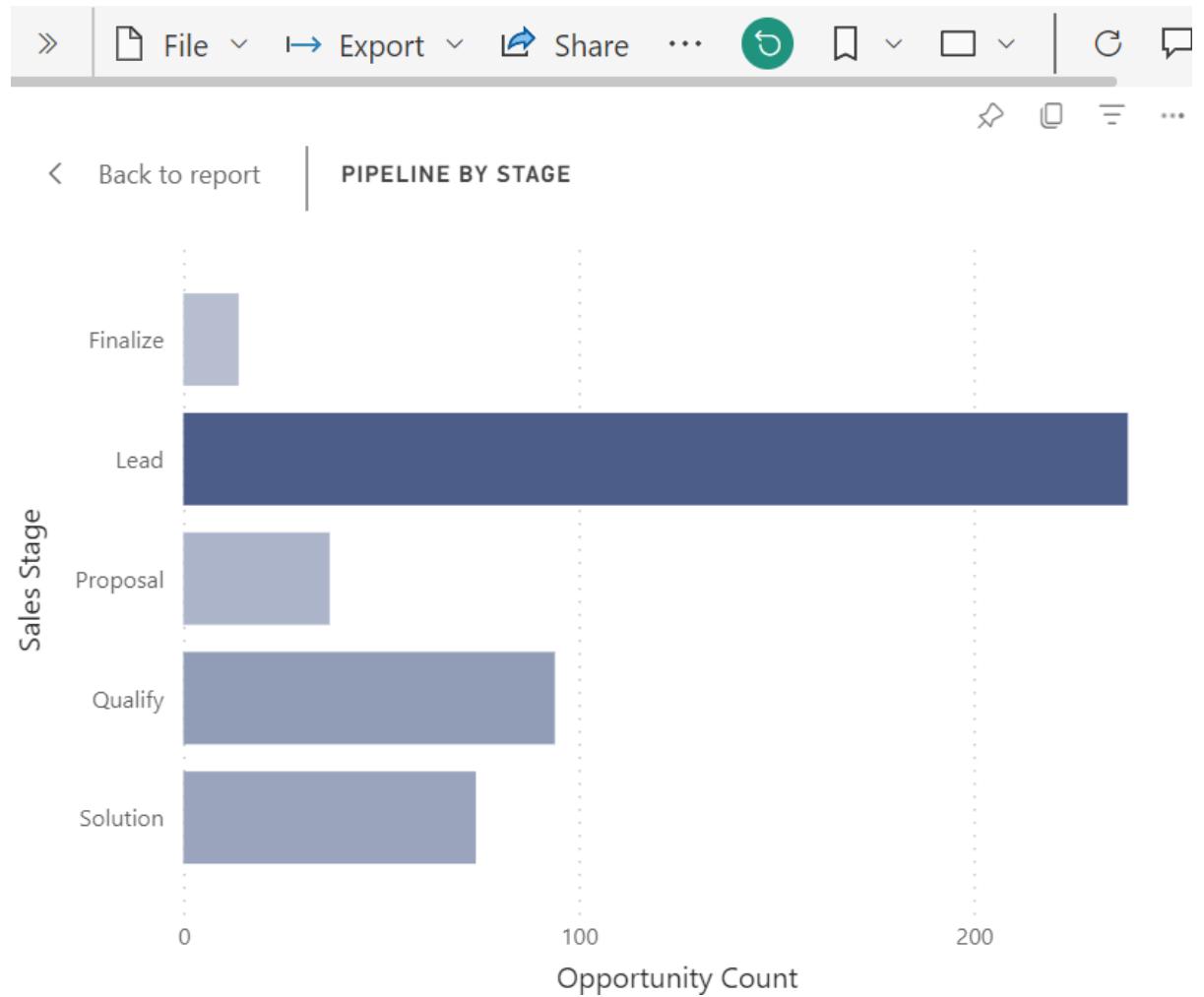
- The "Visualizations" section shows various chart icons.
- The "Fields" section lists fields: Date, Geography, Manufacturer, Product, and Sales.
- A context menu is open at the bottom right of the visualization area:
 - "Get more visuals" (highlighted with a red box)
 - "Import a visual from a file"
 - "Remove a visual"
 - "Restore default visuals"

Right Screenshot: AppSource - Apps for Power BI visuals

- The "Apps" section shows the "Bullet Chart" app by Microsoft Corporation.
- The app card includes:
 - Thumbnail image of the Bullet Chart visual.
 - The title "Bullet Chart".
 - The developer "Microsoft Corporation".
 - A rating of "3.6 (36)" with five star icons.
 - A "PBI Certified" badge.
 - Two tabs: "Overview" (selected) and "Ratings + reviews".
 - A description: "A bar chart with extra visual elements".
 - Buttons: "Add" (highlighted with a red box) and "Download Sample".
 - A link: "Sample Instructions".

PERSONALIZADO

ORDENAR GRAFICOS



Date

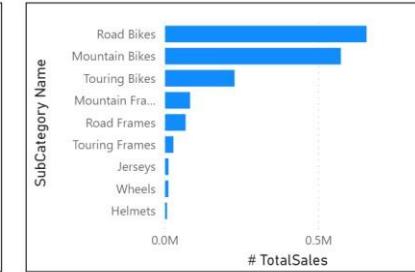
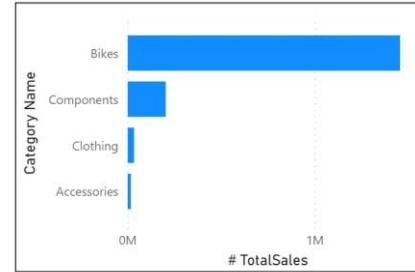
Año

Trimestre

Month

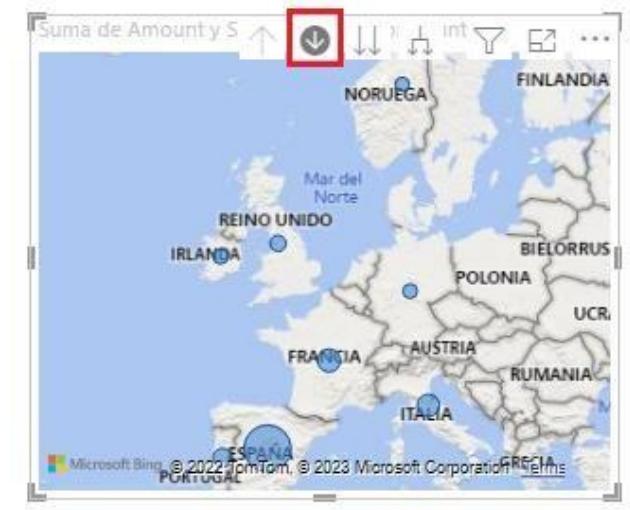
Día

✓ X
X
X
X
X



JERARQUIAS

NAVEGAR EN PROFUNDIDAD

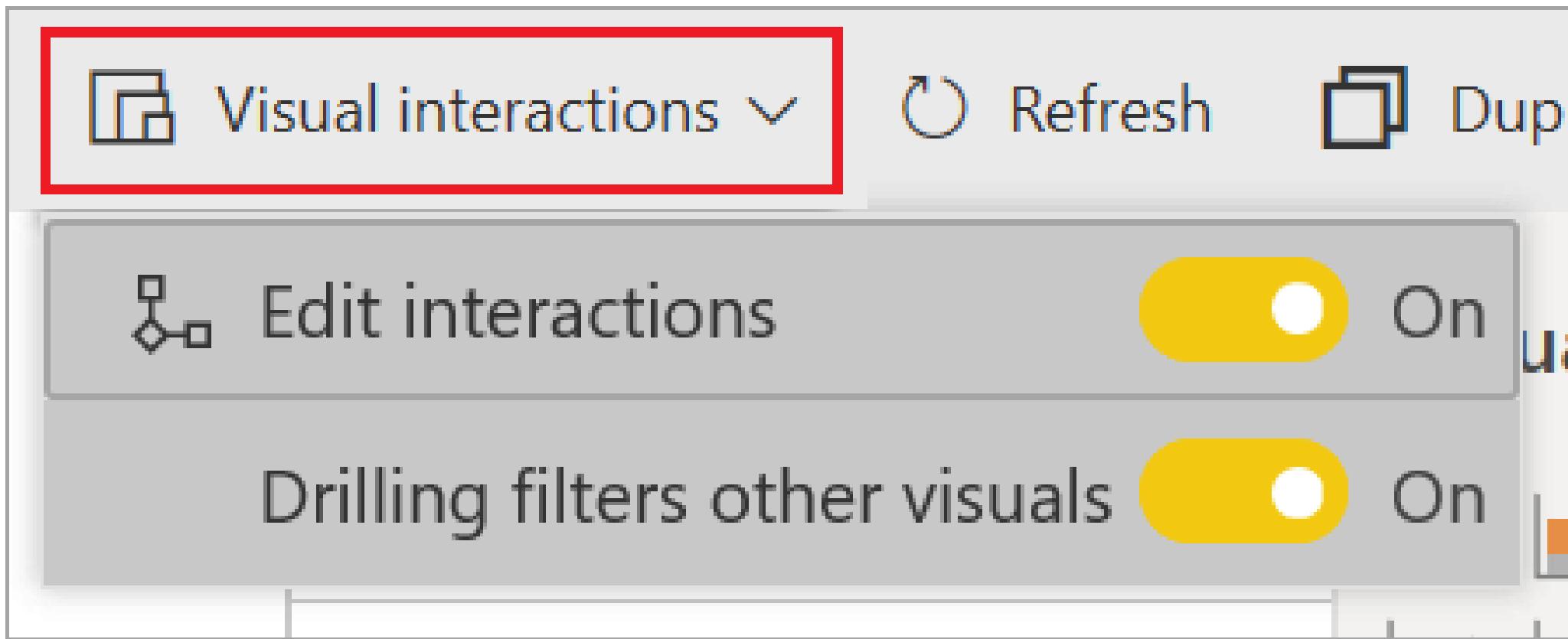


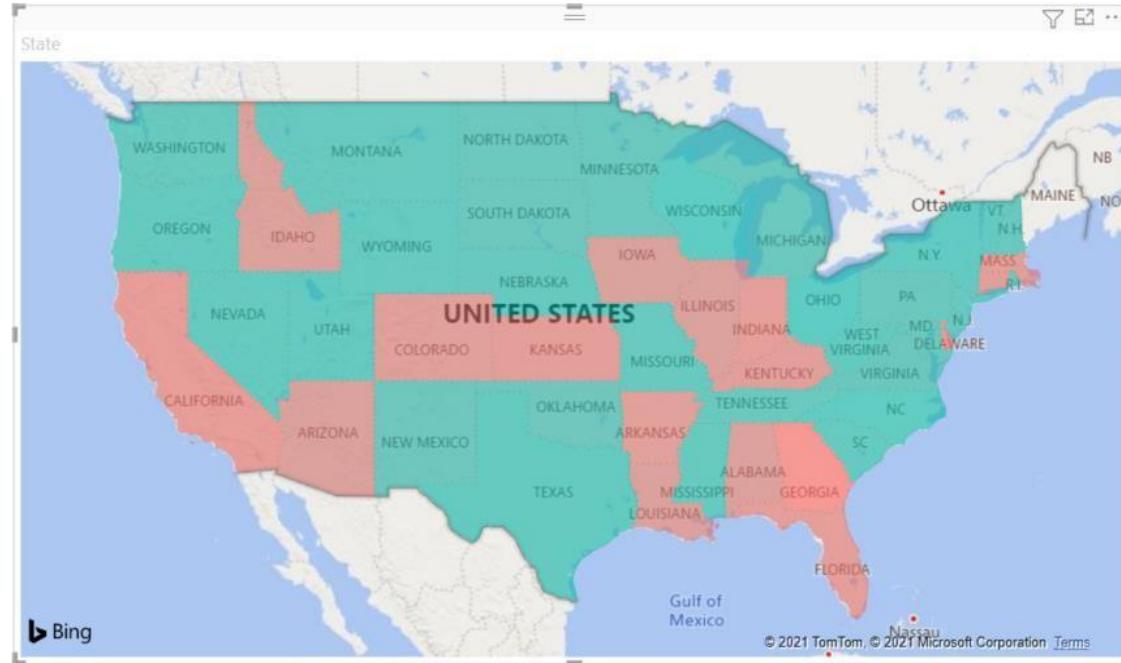
SEGMENTACIÓN

The screenshot shows a user interface for data segmentation, likely from a BI tool like Power BI. It includes a header with filter icons and three main filter sections, each enclosed in a red box.

- Año:** A horizontal button bar with four options: 2016, 2017, 2018 (highlighted in dark gray), and 2019.
- Categoría:** A list of categories with corresponding color swatches:
 - Accessories (light blue)
 - Bikes (dark blue)
 - Clothing (light green)
 - Components (light orange)
- Comarca:** A dropdown menu set to "Todas".
- Edad:** An age range selector with two input fields containing "33" and "103", connected by a horizontal slider.

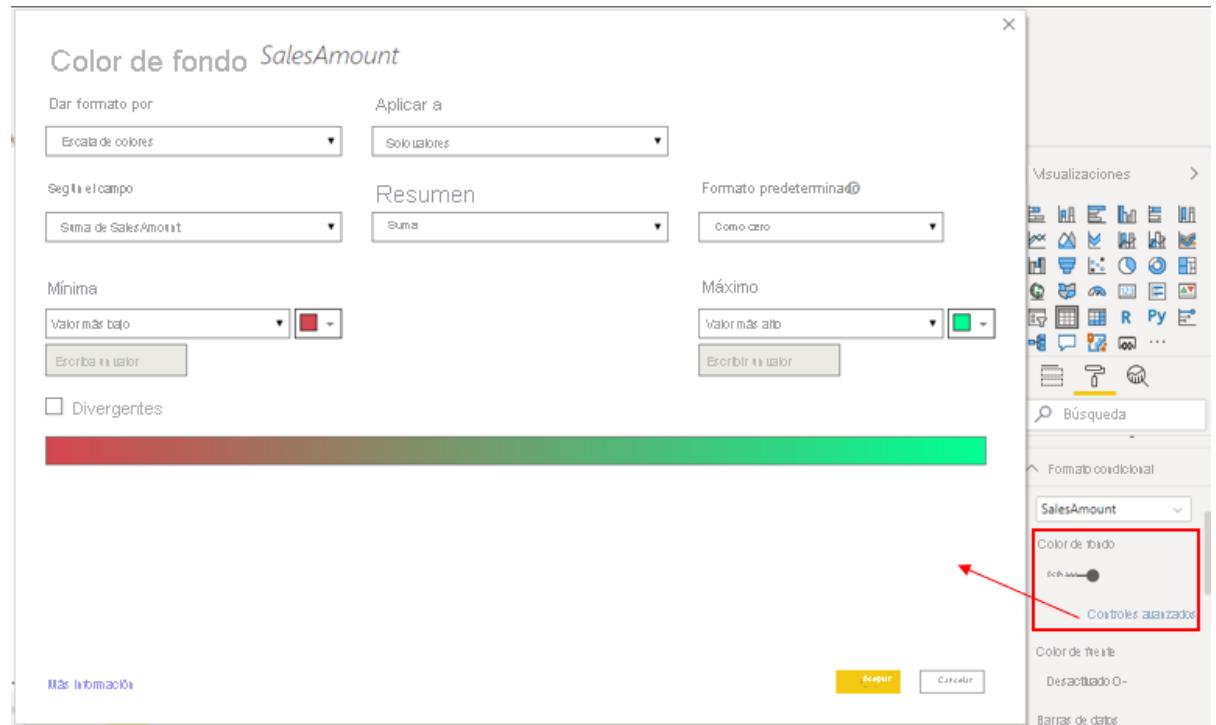
INTERACCIÓN ENTRE VISUALIZACIONES

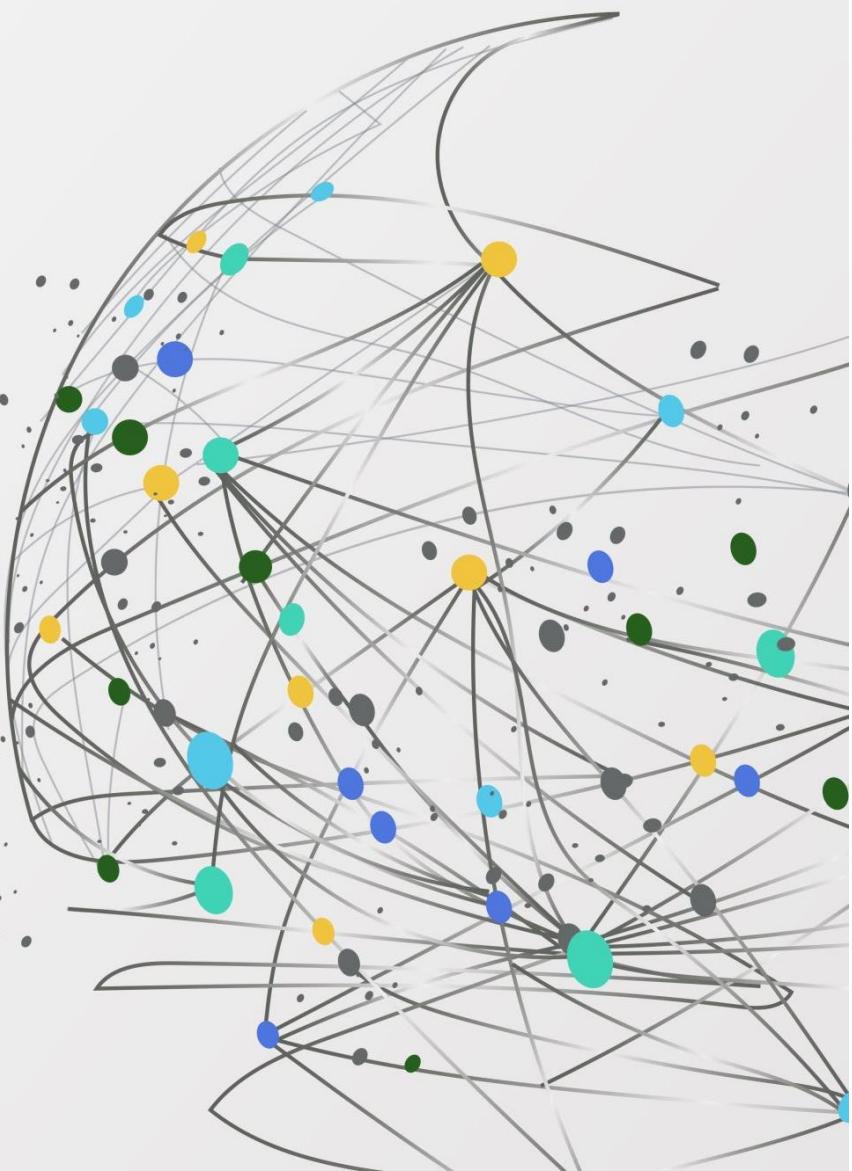




USO DE MAPAS

FORMATO CONDICIONAL





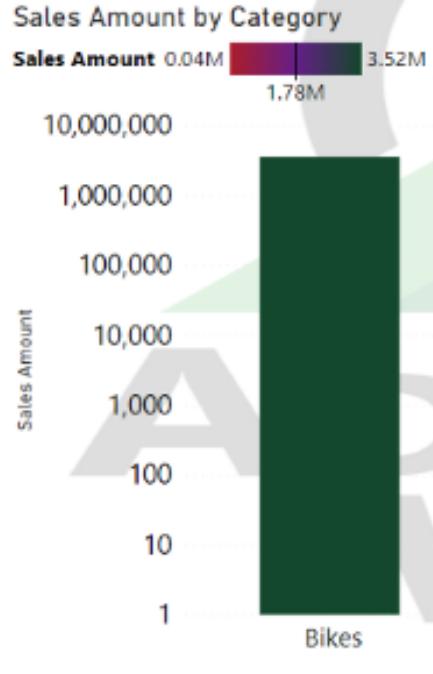
EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/POWER-BI-DESKTOP/CONDITIONAL-FORMATS/4618/](https://www.wiseowl.co.uk/power-bi/exercises/power-bi-desktop/conditional-formats/4618/)

Sales Categorical Analysis

Australia France United Kingdom
Canada Germany United States

Date
1/1/2019 至 12/31/2019



Product Category & Color

Details



Use bookmarks to capture key data for yourself and others.

1. Filter data to get to the state you want to capture.
2. Click Add.

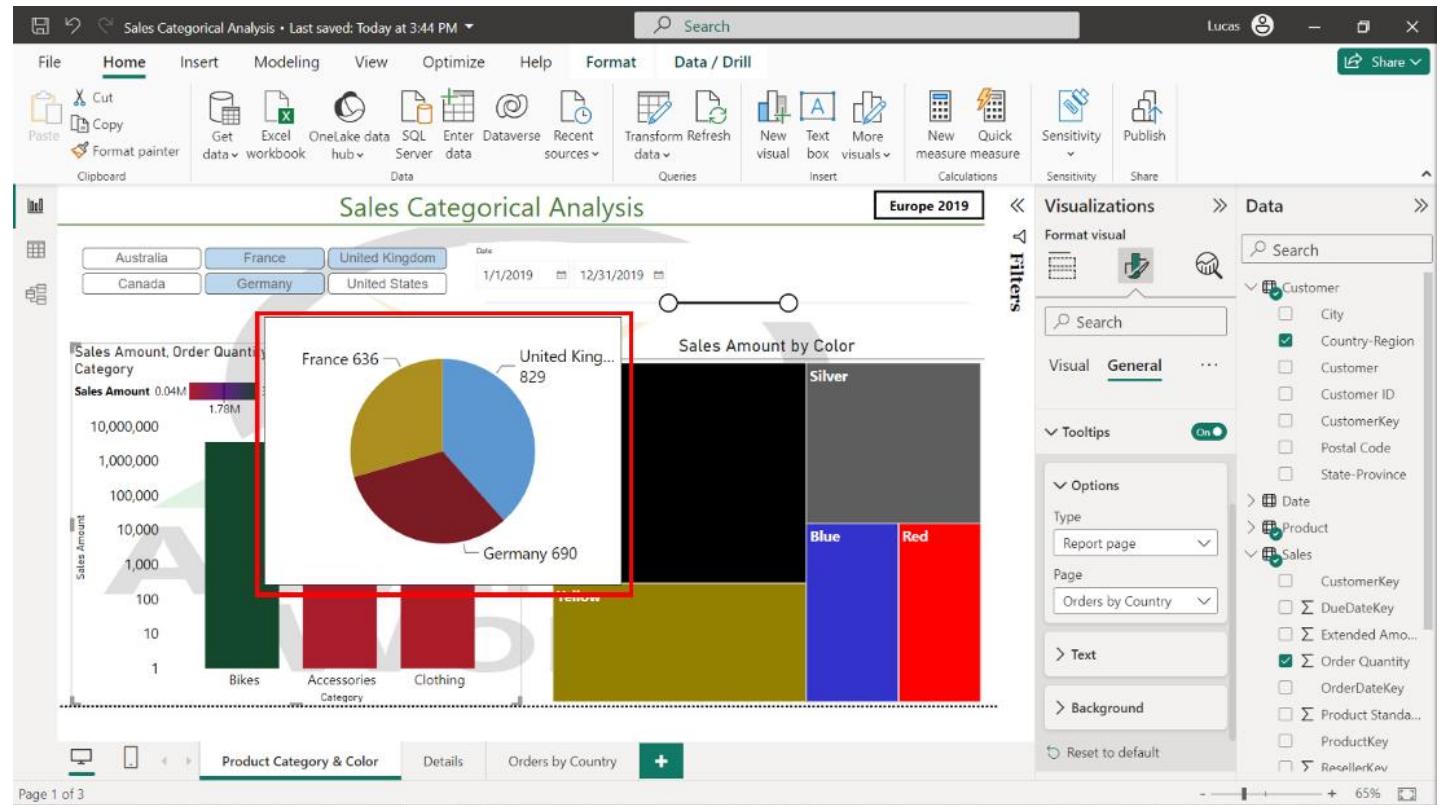
[Learn how to create and edit bookmarks](#)

MARCADORES



LABORATORIO 2

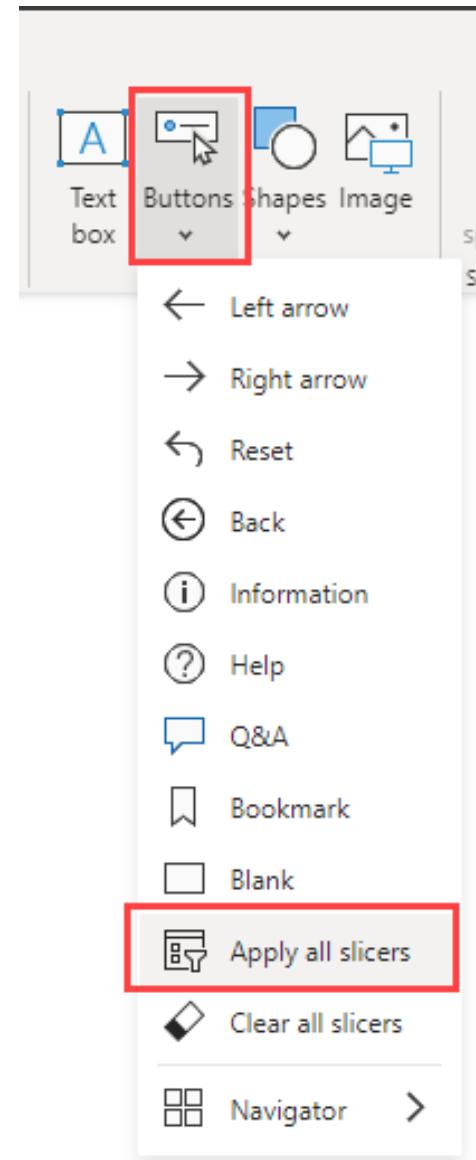
TOOLTIPS





LABORATORIO 3

BOTONES





EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/POWER-BI-DESKTOP/TOOLTIPS/4510/](https://www.wiseowl.co.uk/power-bi/exercises/power-bi-desktop/tooltips/4510/)



EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/POWER-BI-DESKTOP/BOOKMARKS/4441/](https://www.wiseowl.co.uk/power-bi/exercises/power-bi-desktop/bookmarks/4441/)

Sales

Queries [5]

A^B SalesOrderNumber

Copy
Remove
Remove Other Columns
Duplicate Column
Add Column From Examples...
Remove Duplicates **Remove Errors**
Change Type
Transform
Replace Values...
Replace Errors...
Split Column
Group By...
Fill
Unpivot Columns
Unpivot Other Columns
Unpivot Only Selected Columns
Rename...
Move
Drill Down
Add as New Query

ProductKey ResellerKey EmployeeKey

	ProductKey	ResellerKey	EmployeeKey
1	SO43897	235	312
2	SO43897	351	312
3	SO43897	348	312
4	SO43897	232	312
5	SO44544	292	312
6	SO44544	220	312
7	SO44544	351	312
8	SO44544	349	312
9	SO44544	344	312
10	SO45321	346	312
11	SO45321	347	312
12	SO46082	220	312
13	SO46082	346	312
14	SO46082	345	312
15	SO46082	232	312
16	SO46082	344	312
17	SO46082	348	312
18	SO46082	212	312
19	SO47028	410	312
20	SO47028	464	312
21	SO47028	412	312
22	SO47028	2018-08-24	420
23	SO47028	2018-08-24	468

10 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 7:05 PM

Query Settings

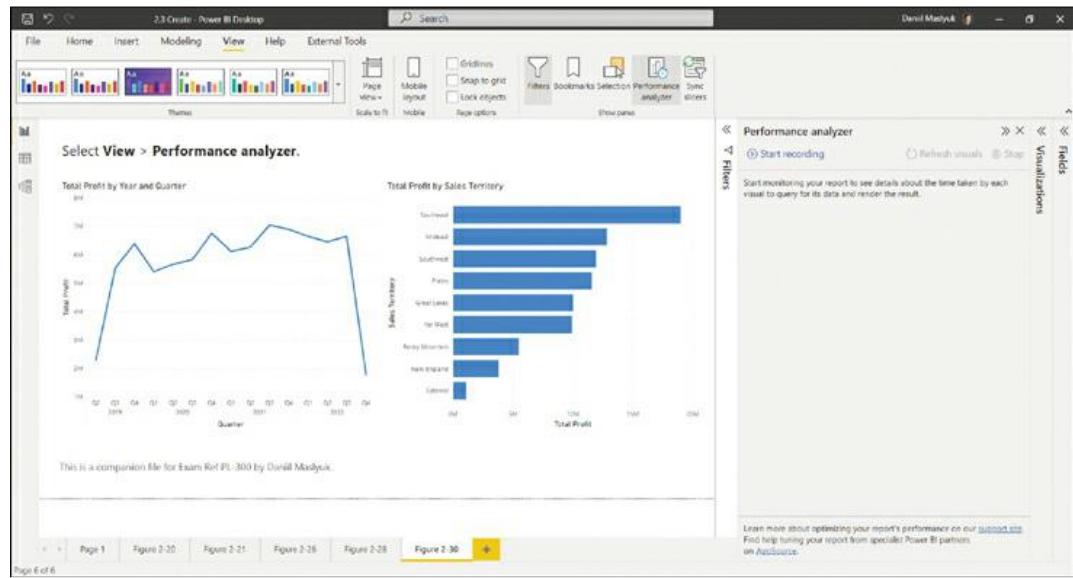
PROPERTIES

Name: Sales

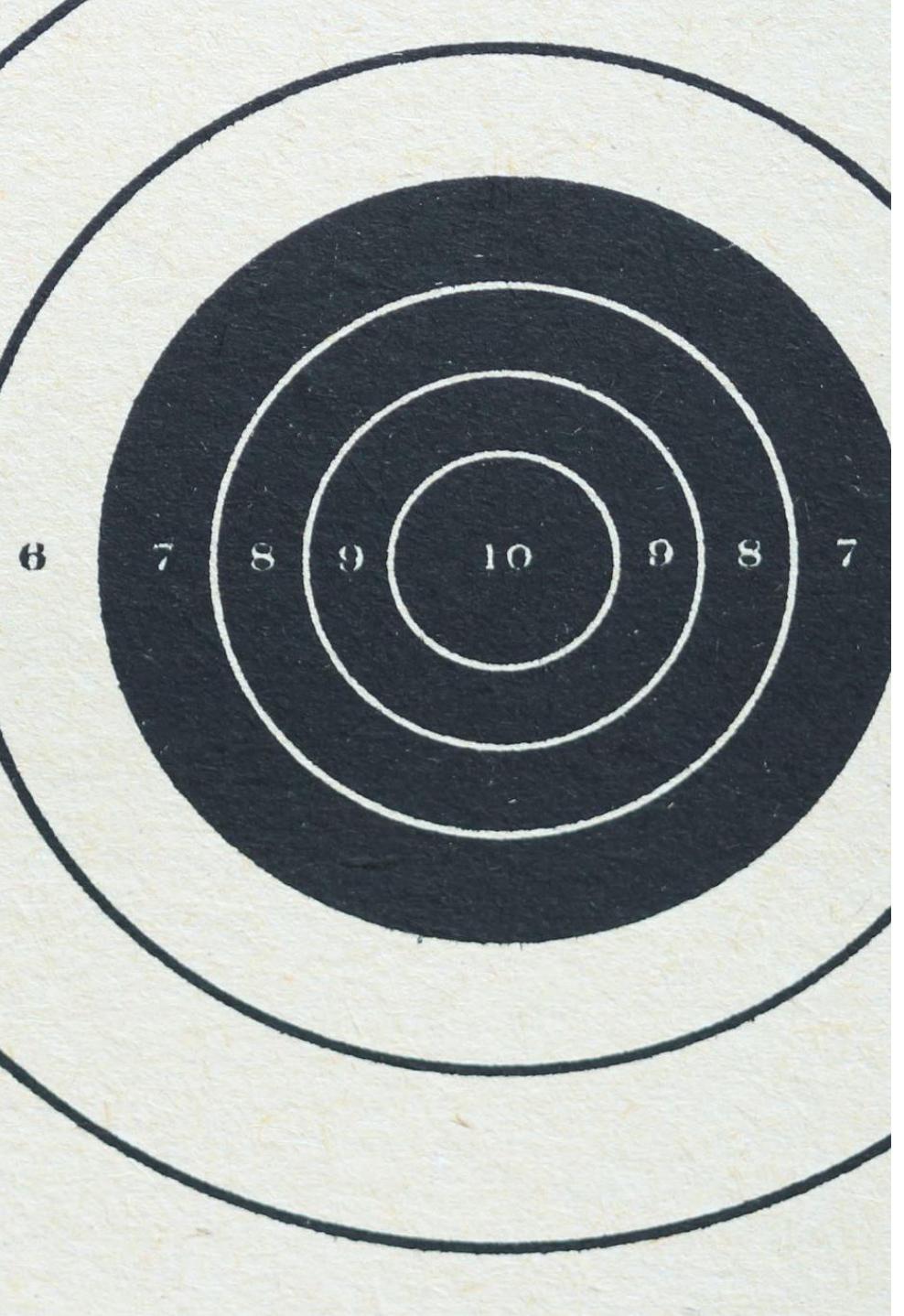
All Properties

APPLIED STEPS

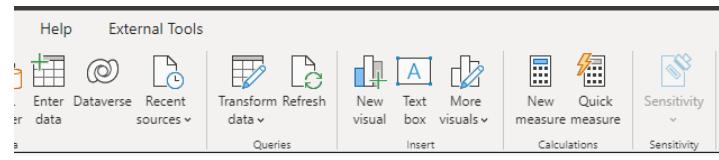
Source, Navigation, Promoted Headers, **Changed Type**



PERFORMANCE ANALYZER



DEMO



% of Total

0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
0.66 %
100.00 %

% of total with 2 decimal points

Creación de medidas en Power BI - Power BI Desktop

Archivo Inicio Ayuda Herramientas de tablas Herramientas de columnas

Nombre Data

Nombre Data

Calcular

Permite escribir una expresión DAX que calcula un valor a partir de los datos.

NFAC CLIENTE PAÍS PRODUCTO CÓDIGO FECHA IMPORTE Importe con IVA

NFAC	CLIENTE	PAÍS	PRODUCTO	CÓDIGO	FECHA	IMPORTE	Importe con IVA
2	Juan	Finlandia	Oro	XS	viernes, 31 de diciembre de 2021	293	356,95
5	Laura	Finlandia	Cobre	L	domingo, 1 de noviembre de 2020	825	998,25
41	Marta	Finlandia	Cadmio	M	domingo, 17 de enero de 2021	475	574,75
42	Eva	Finlandia	Aluminio	S	junes, 15 de febrero de 2021	396	479,16
54	Juan	Finlandia	Aluminio	L	sábado, 25 de diciembre de 2021	637	770,77
60	Marta	Finlandia	Cadmio	M	miércoles, 12 de agosto de 2020	945	1143,45
72	Eva	Finlandia	Aluminio	L	domingo, 4 de julio de 2021	242	292,82
80	Eva	Finlandia	Cobre	S	domingo, 19 de julio de 2020	290	350,9
83	David	Finlandia	Cadmio	XL	junes, 27 de enero de 2020	594	718,74
84	Juan	Finlandia	Cadmio	S	junes, 8 de marzo de 2021	620	750,2
88	Marta	Finlandia	Cadmio	XL	miércoles, 1 de diciembre de 2021	298	360,58
96	Laura	Finlandia	Plata	XL	domingo, 18 de octubre de 2020	522	631,62
100	David	Finlandia	Plata	L	viernes, 3 de octubre de 2021	306	370,26
112	David	Finlandia	Cadmio	XS	junes, 3 de agosto de 2020	775	937,75
118	Laura	Finlandia	Cadmio	M	jueves, 24 de diciembre de 2020	870	1052,7
126	Juan	Finlandia	Cadmio	XL	miércoles, 4 de agosto de 2021	563	681,23
133	Eva	Finlandia	Cobre	S	domingo, 31 de mayo de 2020	489	591,69
138	David	Finlandia	Cadmio	M	viernes, 25 de septiembre de 2020	214	258,94
140	Juan	Finlandia	Plata	XS	domingo, 7 de junio de 2020	715	865,15
142	Juan	Finlandia	Oro	M	viernes, 5 de febrero de 2021	989	1196,69
143	Juan	Finlandia	Oro	XL	viernes, 31 de diciembre de 2021	415	502,15
145	Juan	Finlandia	Cobre	XL	junes, 21 de septiembre de 2020	433	523,93
165	Marta	Finlandia	Plata	M	miércoles, 24 de junio de 2020	490	592,9
166	Marta	Finlandia	Oro	L	viernes, 31 de julio de 2020	429	519,09
167	David	Finlandia	Aluminio	L	miércoles, 2 de junio de 2021	534	646,14

Campos

Buscar

Importe con IVA

CLIENTE

CÓDIGO

FECHA

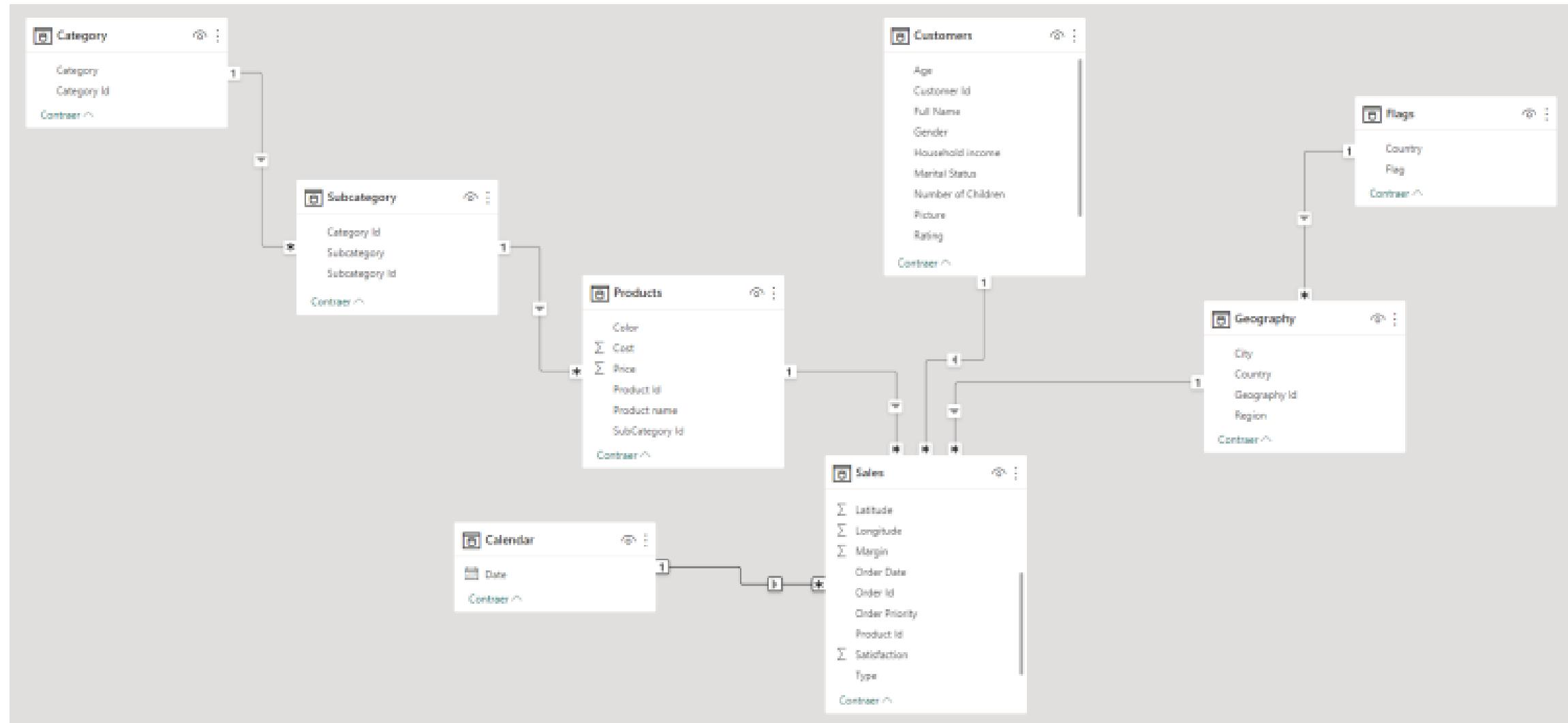
IMPORTE

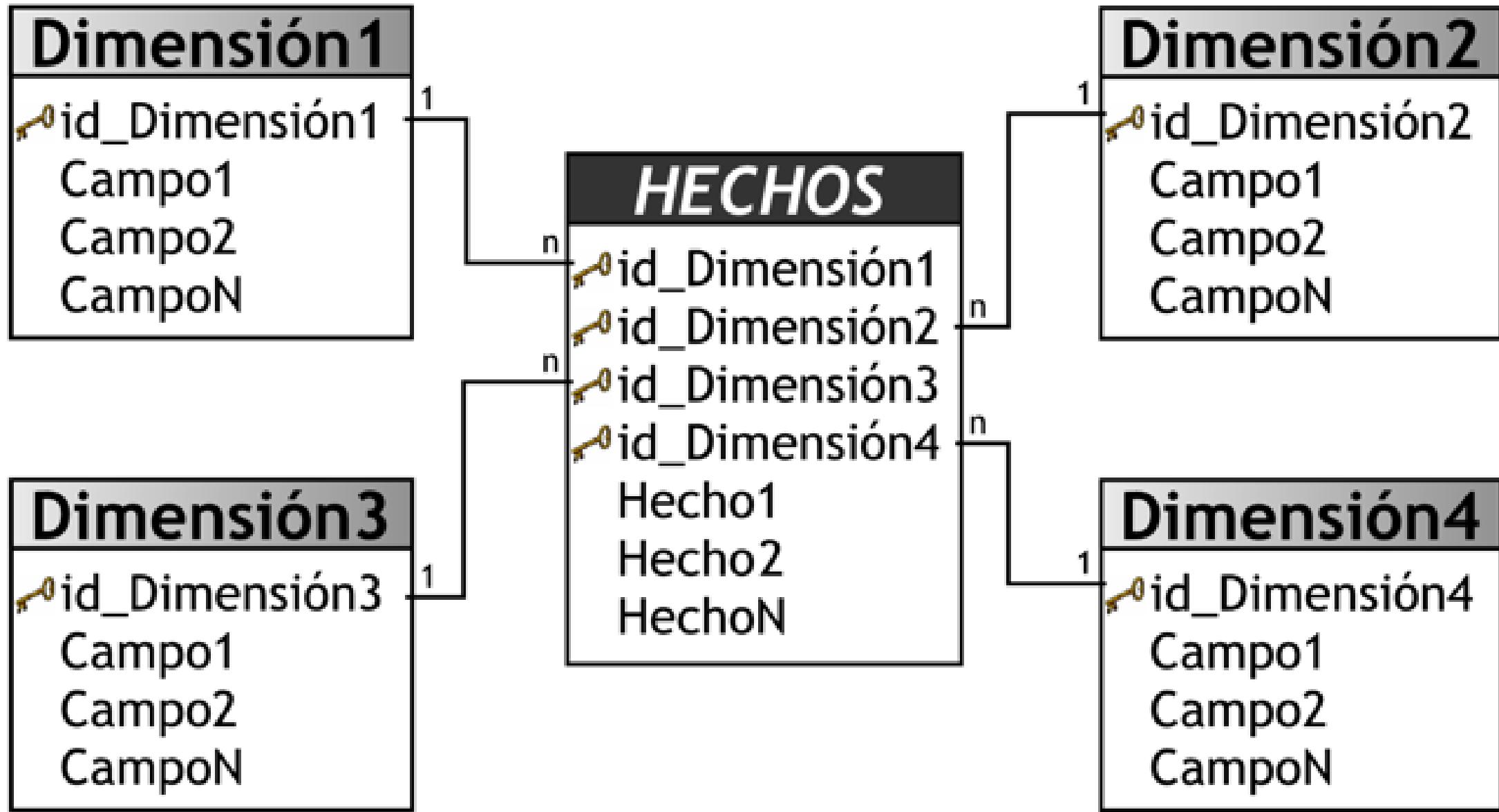
NFAC

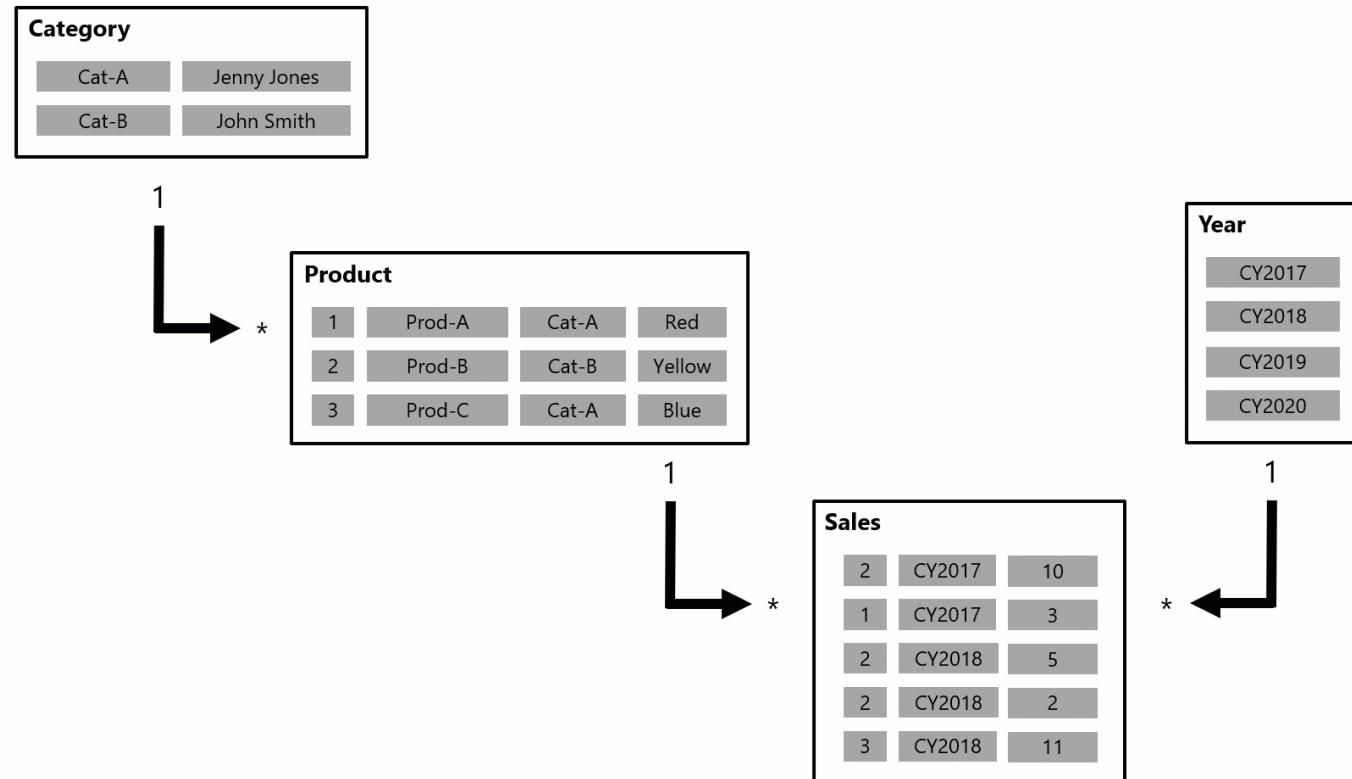
PAÍS

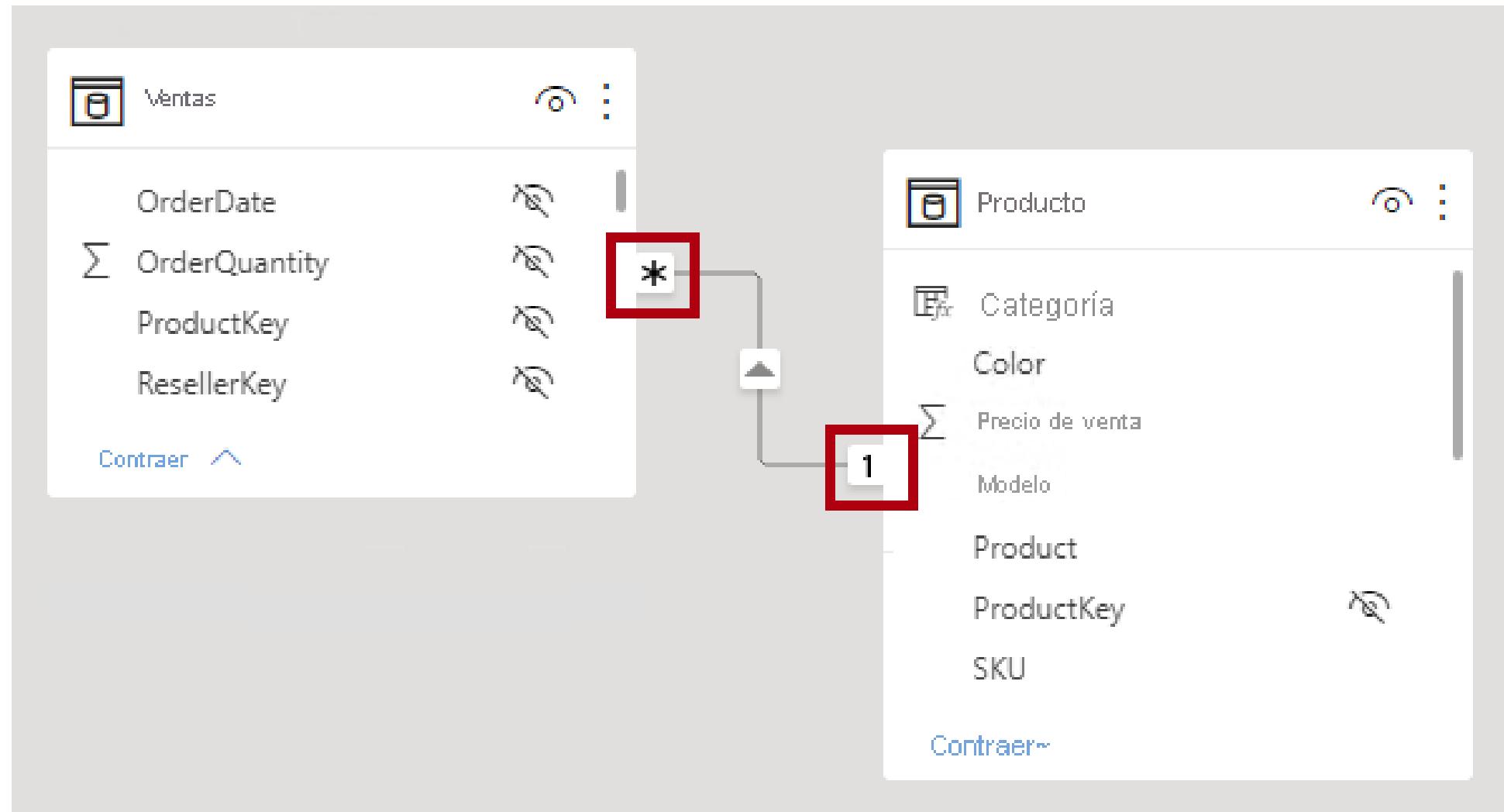
PRODUCTO

Table: Data (1000 filas) Columna: Importe con IVA (592 valores distintos)







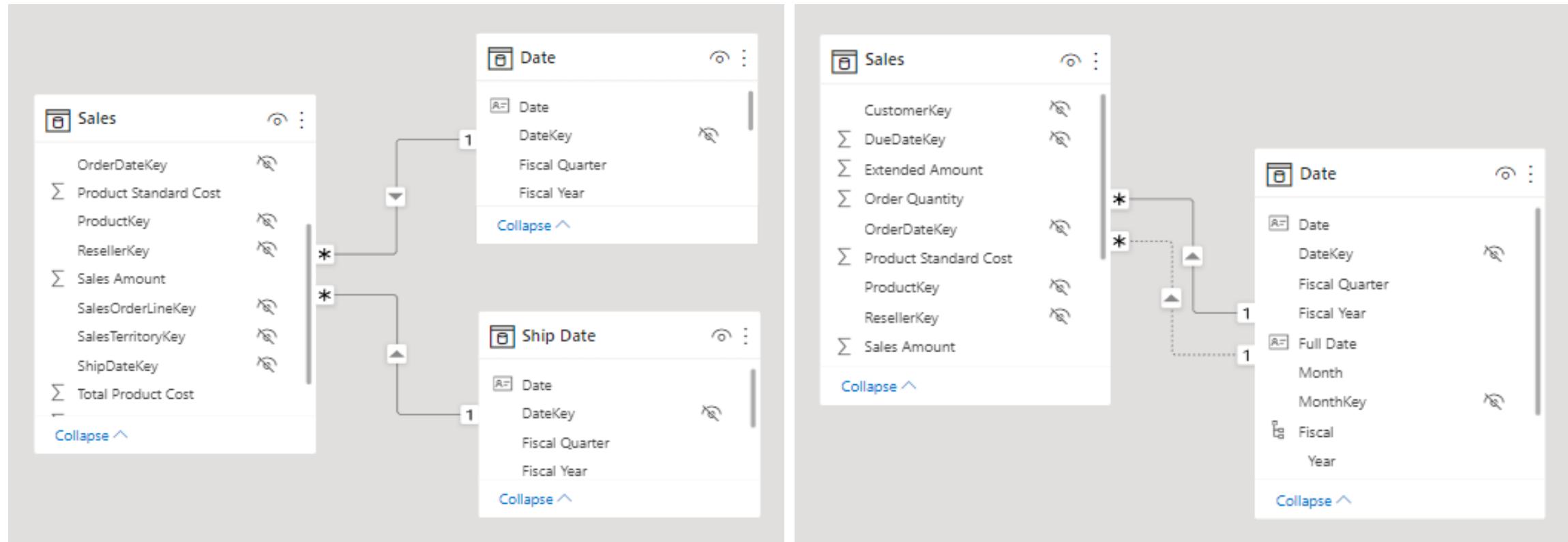


Active StoreName	SalesAmount
Contoso Wapato Store	\$16,427,512.9295
Contoso Warsaw Store	\$15,142,181.7609
Contoso Waterbury Store	\$15,104,327.8925
Contoso Waukesha No.1 Store	\$16,032,441.5125
Contoso Waukesha No.2 Store	\$16,448,330.8045
Contoso West Yorkshire Store	\$15,165,663.891
Contoso Westminster Store	\$15,266,782.0765
Contoso Wheat Ridge Store	\$16,117,648.774
Contoso Winchester Store	\$15,563,992.0475
Contoso Worcester No.1 Store	\$15,388,242.957
Contoso Yakima Store	\$16,266,888.313
Contoso Yerevan Store	\$26,084,935.2425
Contoso Yokohama Store	\$25,311,723.6245
Contoso York Store	\$14,926,059.9838
Inactive	\$189,962,742.7355
Total	\$8,341,224,364.8324

Visualizations

Filters

- \sum DiscountAmount
 - \sum DiscountQuant...
 - \sum ReturnAmount
 - \sum ReturnQuantity
 - \sum SalesAmount
 - \sum SalesQuantity
 - \sum TotalCost
 - \sum UnitCost
 - \sum UnitPrice
- Stores
- Active StoreNa..
 - CloseReason
 - EmoloveeCount



DIMENSIONES REALIZADORAS DE ROLES

Sales

CustomerKey



Σ DueDateKey



Σ Extended Amount

Σ Order Quantity



OrderDateKey



Σ Product Standard Cost



ProductKey



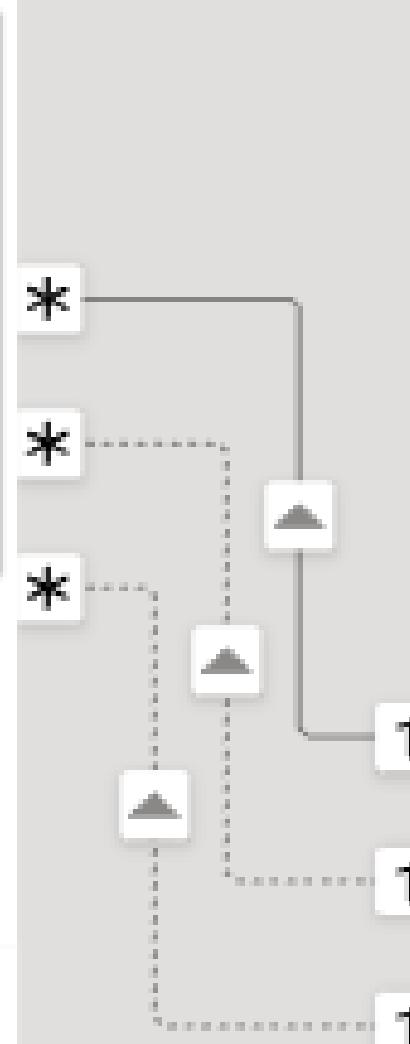
ResellerKey



Σ Sales Amount



[Collapse ^](#)



Date

[A=](#) Date



DateKey



Fiscal Quarter



Fiscal Year

[A=](#) Full Date



Month



MonthKey

[B=](#) Fiscal



LABORATORIO 4

✓  Sales

-  Cost
- \sum Extended Amount
- \sum Order Quantity
- \sum Product Standard Cost
-  Profit
-  Revenue
- \sum Sales Amount
- \sum Total Product Cost
- \sum Unit Price
- Unit Price Discount Pct

Medidas rápidas

Cálculo

División

Permite calcular la ratio de un valor a otro.

[Más información](#)

Numerador ⓘ

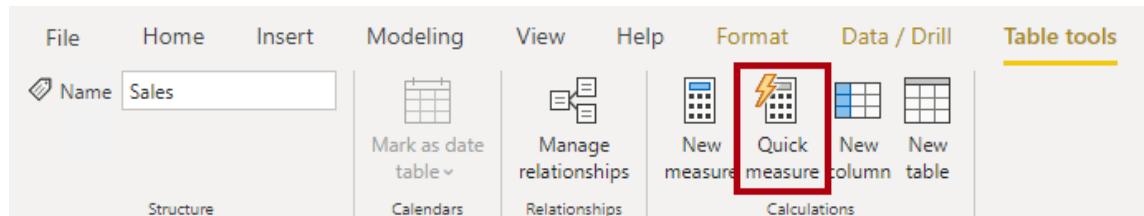
Profit

X

Denominador ⓘ

Revenue

X



Quick measures

Calculation

Select a calculation

- Quarter-to-date total
- Month-to-date total
- Year-over-year change
- Quarter-over-quarter change
- Month-over-month change
- Rolling average

Totals

- Running total
- Total for category (filters applied)
- Total for category (filters not applied)

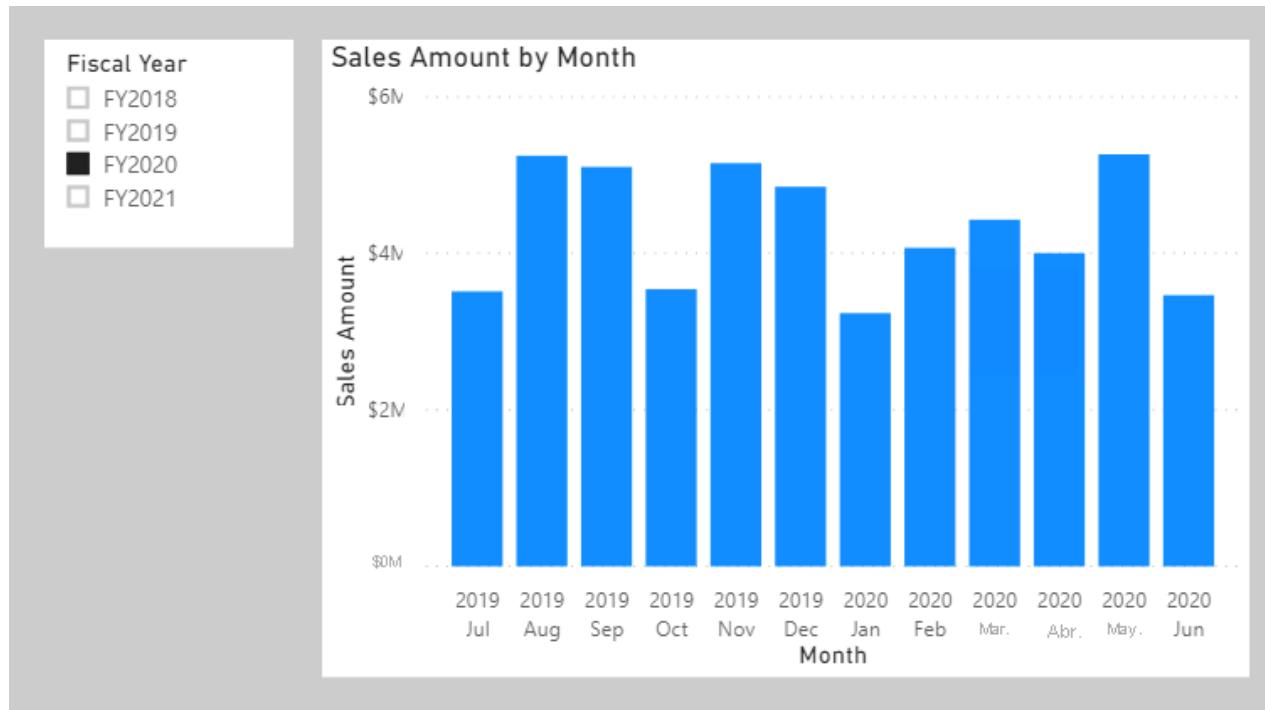
Mathematical operations

- Addition
- Subtraction
- Multiplication
- Division
- Percentage difference
- Correlation coefficient

Text

- Star rating
- Concatenated list of values

CONTEXTO



Region	Revenue	Revenue % Total Region
Australia	\$10,655,335.96	9.70%
Canada	\$16,355,770.46	14.89%
Central	\$7,909,009.01	7.20%
France	\$7,251,555.65	6.60%
Germany	\$4,878,300.38	4.44%
Northeast	\$6,939,374.48	6.32%
Northwest	\$16,084,942.55	14.65%
Southeast	\$7,879,655.07	7.18%
Southwest	\$24,184,609.60	22.02%
United Kingdom	\$7,670,721.04	6.99%
Total	\$109,809,274.20	100.00%

Brand	Sales Amount	Red Sales
A. Datum	147,687.44	
Adventure Works	2,761,057.66	80,090.42
Contoso	2,227,244.32	169,266.67
Fabrikam	990,275.08	53,228.82
Litware	506,104.50	15,945.55
Northwind Traders	119,857.67	6,669.86
Proseware	956,335.76	9,732.21
Southridge Video	776,807.78	11,985.40
Tailspin Toys	79,159.15	2,570.08
The Phone Company	1,976,180.03	
Wide World Importers	1,796,930.99	33,112.30
Total	12,337,640.39	382,601.32

Brand = "Contoso"

Brand = "Contoso"
Color = "Red"

```
Red Sales :=  
CALCULATE (  
    [Sales Amount],  
    'Product'[Color] = "Red"  
)
```

CALCULATE

```
1 Promedio Modificado Edad de los Conductores =  
2 CALCULATE(AVERAGE(users[Edad al Momento del Accidente]),  
3 users[Birthday]<>BLANK(), -- 1ER FILTRO DONDE EXCLUYE LAS PERSONAS QUE NO TIENEN FECHA DE NACIMIENTO  
4 users[Edad al Momento del Accidente] >18) -- 2DO FILTRO PERSONAS > 18 AÑOS  
5
```

Promedio Simple de las edades de los conductores al momento del accidente.

39.78

Promedio Simple Edad de los Conductores

Promedio modificado por contexto de las edades de los conductores al momento del accidente **siempre y cuando exista una fecha de nacimiento**

40.55

Promedio Modificado Edad de los Conductores

Color
<input type="checkbox"/> Black
<input type="checkbox"/> Blue
<input type="checkbox"/> Grey
<input type="checkbox"/> Multi
<input type="checkbox"/> NA
<input type="checkbox"/> Red
<input type="checkbox"/> Silver
<input type="checkbox"/> Silver/Black
<input checked="" type="checkbox"/> White
<input type="checkbox"/> Yellow

EnglishEducation	Sales	Sales All Fact Table
Bachelors	\$89.90	29,358,677.22
Graduate Degree	\$80.91	29,358,677.22
High School	\$62.93	29,358,677.22
Partial College	\$125.86	29,358,677.22
Partial High School	\$26.97	29,358,677.22
Total	\$386.57	29,358,677.22

No Filter

- EnglishPromotionName
- Half-Price Pedal Sale
- LL Road Frame Sale
- Mountain Tire Sale
- Mountain-100 Cleara
- Mountain-500 Silver
- No Discount
- Road-650 Overstock
- Sport Helmet Discou
- Sport Helmet Discou
- Touring-1000 Promo
- Touring-3000 Promo
- Volume Discount 11
- Volume Discount 15
- Volume Discount 25
- Volume Discount 41
- Volume Discount ove

CONTEXTO DE FILTRO

Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

X ✓ 1 Columna =

Date	Columna
jueves, 1 de enero de 2015	
viernes, 2 de enero de 2015	
sábado, 3 de enero de 2015	
domingo, 4 de enero de 2015	
lunes, 5 de enero de 2015	
martes, 6 de enero de 2015	
miércoles, 7 de enero de 2015	
jueves, 8 de enero de 2015	

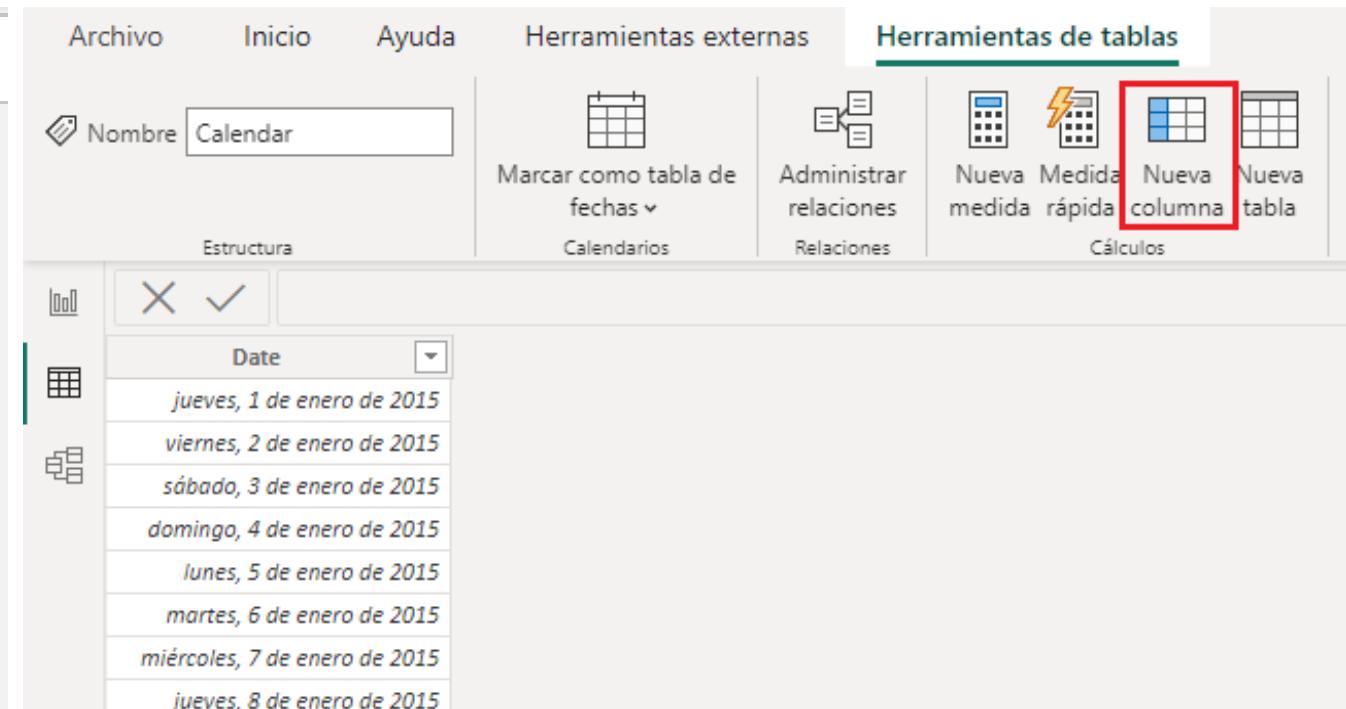
Archivo Inicio Ayuda Herramientas externas Herramientas de tablas

Nombre Calendar

Marcar como tabla de fechas Calendarios Administrar relaciones Relaciones

Nueva medida rápida Nueva columna Nueva tabla Cálculos

Estructura X ✓ Date jueves, 1 de enero de 2015 viernes, 2 de enero de 2015 sábado, 3 de enero de 2015 domingo, 4 de enero de 2015 lunes, 5 de enero de 2015 martes, 6 de enero de 2015 miércoles, 7 de enero de 2015 jueves, 8 de enero de 2015



The screenshot shows the Power BI Data Editor interface. The top navigation bar includes 'Archivo', 'Inicio', 'Ayuda', 'Herramientas externas', and 'Herramientas de tablas' (which is underlined). Below the navigation bar, there's a toolbar with icons for 'Nombre' (set to 'Calendar'), 'Estructura' (selected), 'Calendarios', 'Administrar relaciones', 'Relaciones', and several buttons for 'Nueva medida rápida', 'Nueva columna' (highlighted with a red box), and 'Nueva tabla'. On the left, there's a sidebar with icons for 'Estructura', 'Filas', and 'Columnas'. The main area displays a table with one column labeled 'Date' containing dates from January 1 to January 8, 2015. The 'Estructura' tab is active, showing the data rows.

CONTEXTO DE FILA

X ✓ 1 Year = YEAR('Calendar'[Date])

Date	Year
jueves, 1 de enero de 2015	2015
viernes, 2 de enero de 2015	2015
sábado, 3 de enero de 2015	2015
domingo, 4 de enero de 2015	2015
lunes, 5 de enero de 2015	2015
martes, 6 de enero de 2015	2015
miércoles, 7 de enero de 2015	2015
jueves, 8 de enero de 2015	2015
viernes, 9 de enero de 2015	2015

X ✓ 1 Year = YEAR('Calendar'[Date])

Date	Year
jueves, 1 de enero de 2015	2015
viernes, 2 de enero de 2015	2015
sábado, 3 de enero de 2015	2015
domingo, 4 de enero de 2015	2015
lunes, 5 de enero de 2015	2015
martes, 6 de enero de 2015	2015
miércoles, 7 de enero de 2015	2015
jueves, 8 de enero de 2015	2015
viernes, 9 de enero de 2015	2015

X ✓ 1 Subcategory Sales =
 2 CALCULATE(
 3 | SUM(Sales[Amount])
 4)

Subcategory Id	Subcategory	Category Id	Category	Subcategory Sales
1	Servers	1	Hardware	149285,1205
2	Monitors	1	Hardware	159865,4967
3	Computers	1	Hardware	42800,4569
4	OS	2	Software	69726,6933
5	CRM	2	Software	45067,8867
6	Tables	3	Furniture	99483,2931
7	Chairs	3	Furniture	87082,0182
8	Racks	3	Furniture	113131,0494
9	Project Management	4	Services	82452,6832
10	Development	4	Services	138052,8701

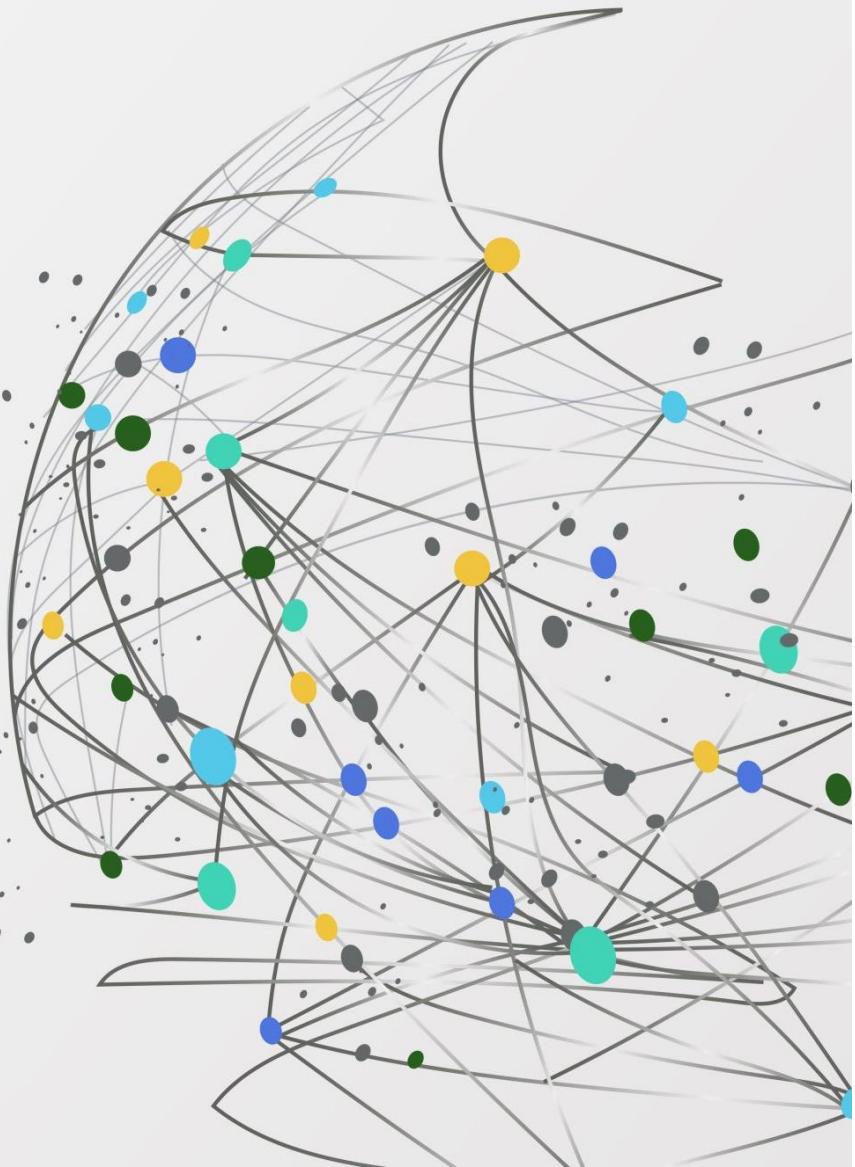
Subcategory Id	Subcategory	Category Id
1	Servers	1
2	Monitors	1
3	Computers	1
4	OS	2
5	CRM	2
6	Tables	3
7	Chairs	3
8	Racks	3
9	Project Management	4
10	Development	4

X ✓ 1 Subcategory Sales = SUM(Sales[Amount])

Subcategory Id	Subcategory	Category Id	Category	Subcategory Sales
1	Servers	1	Hardware	986947,5681
2	Monitors	1	Hardware	986947,5681
3	Computers	1	Hardware	986947,5681
4	OS	2	Software	986947,5681
5	CRM	2	Software	986947,5681
6	Tables	3	Furniture	986947,5681
7	Chairs	3	Furniture	986947,5681
8	Racks	3	Furniture	986947,5681
9	Project Management	4	Services	986947,5681
10	Development	4	Services	986947,5681



LABORATORIO 5



EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/DAX/FILTERING/4415/](https://www.wiseowl.co.uk/power-bi/exercises/dax/filtering/4415/)

DAX ALLSELECTED



Devuelve todas las filas de una tabla o todos los valores de una columna, ignorando cualquier filtro que se haya aplicado dentro de la consulta, pero manteniendo los filtros que provienen del exterior.

Filter/ Slicer- Product Sub Category

Select all	Office Furniture
Appliances	Office Machines
Binders and Binder Accessories	Paper
Bookcases	Pen & Art Supplies
Chairs & Chairmats	Rubber Bands
Computer Peripherals	Safes, Rulers and Timers
Copiers and Fax	Storage & Organization
Envelopes	Tables
Labels	Telephones and Communication

Sample Data

Product Sub-Category	Sales	ALLSELECTED_DAX
Appliances	82,201.15	6,36,998.11
Binders and Binder Accessories	1,85,928.14	6,36,998.11
Bookcases	1,07,795.09	6,36,998.11
Chairs & Chairmats	2,61,072.73	6,36,998.11
Total	6,36,998.11	6,36,998.11

DAX ALLEXCEPT

Devuelve todas las filas de una tabla excepto aquellas filas que se ven afectadas por los filtros de columna especificados.

Product Category	Product Sub-Category	Sales	ALLEXCEPT_SALES
Furniture	Bookcases	1,07,796.09	6,60,704.31
Furniture	Chairs & Chairmats	2,61,072.73	6,60,704.31
Furniture	Office Furnishings	98,070.91	6,60,704.31
Furniture	Tables	1,93,764.58	6,60,704.31
Total		6,60,704.31	6,60,704.31

Product Category	Product Sub-Category	Sales	ALLEXCEPT_SALES
Furniture	Bookcases	1,07,796.09	6,60,704.31
Total		1,07,796.09	6,60,704.31

Avoiding filter for Product Sub Category slicer & returning total sales sum for Product Category furniture.



DAX DISTINCT

La función DISTINCT tiene dos facetas, es decir, tiene dos variantes en su único argumento/parámetro:

- Primera Faceta: En su único parámetro recibe una columna de alguna tabla en el modelo de datos para de allí retornar los valores únicos de dicha columna respetando el contexto de filtro.
- Segunda Faceta: En su único parámetro recibe una expresión de tabla, en tal caso retorna la tabla con las mismas columnas y Remueve filas duplicadas respetando el contexto de filtro

Total Sales YoY Growth % =

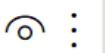
```
VAR TotalSales = SUM('Internet Sales'[Sales Amount])
VAR TotalSalesPP =
    CALCULATE(
        SUM('Internet Sales'[Sales Amount]),
        PARALLELPERIOD('Date'[Date], -12, MONTH)
    )
VAR TotalSalesVariance = TotalSales - TotalSalesPP
VAR Result = DIVIDE(TotalSalesVariance, TotalSalesPP)
RETURN
Result
```

```
1 Total Ventas = SUMX( Ventas; Ventas[PRECIO] * Ventas[CANTIDAD] )
```

Producto	Precio	Cantidad	Total Ventas
Mandarina	15	17	255
Melón	20	10	200
Naranja	25	5	125
Total	60	32	580



Sales



CustomerKey



Delivery Date



Order Date



ProductKey



StoreKey



Currency Code



Exchange Rate



Line Number



Net Price



Collapse ^



Product



ProductKey



Subcategory Code



Brand

Color

Manufacturer

Product Code

Product Name

Σ Unit Cost



Σ Unit Price



Collapse ^



Subcategory



Category Code

Subcategory Code

Subcategory

Collapse ^



Category



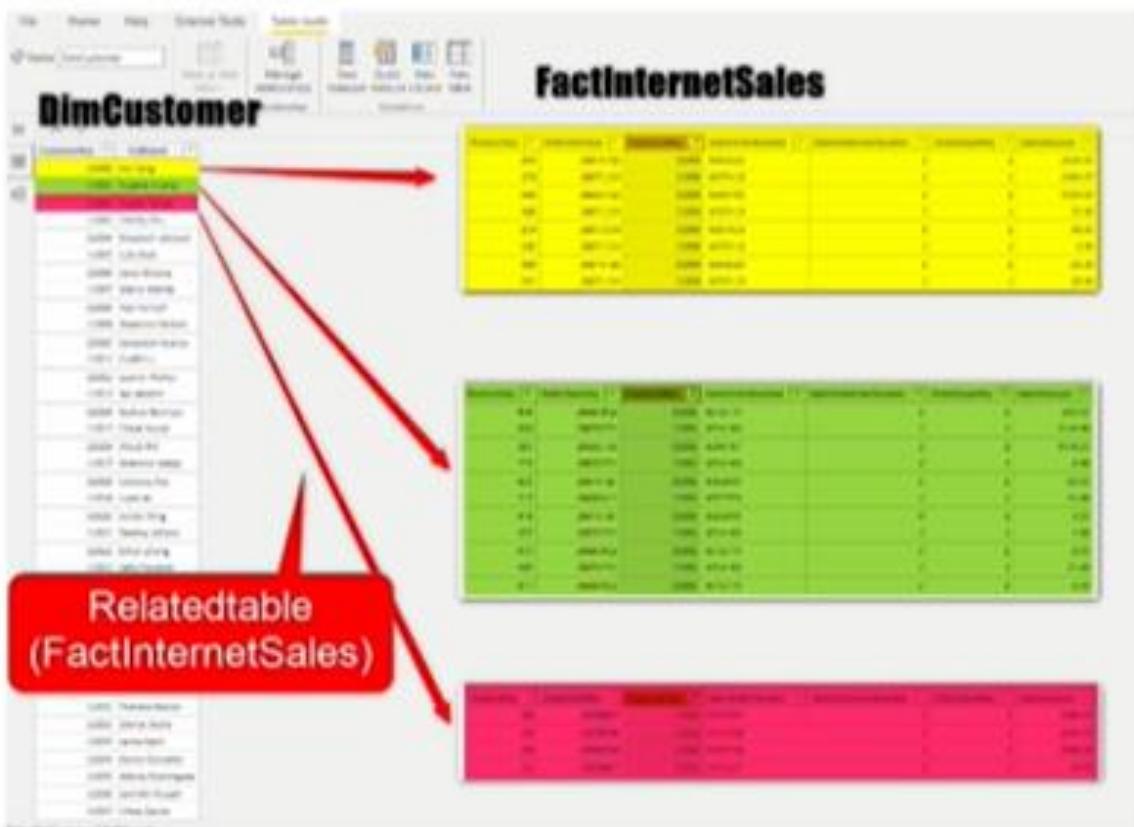
Category Code

Category

Collapse ^

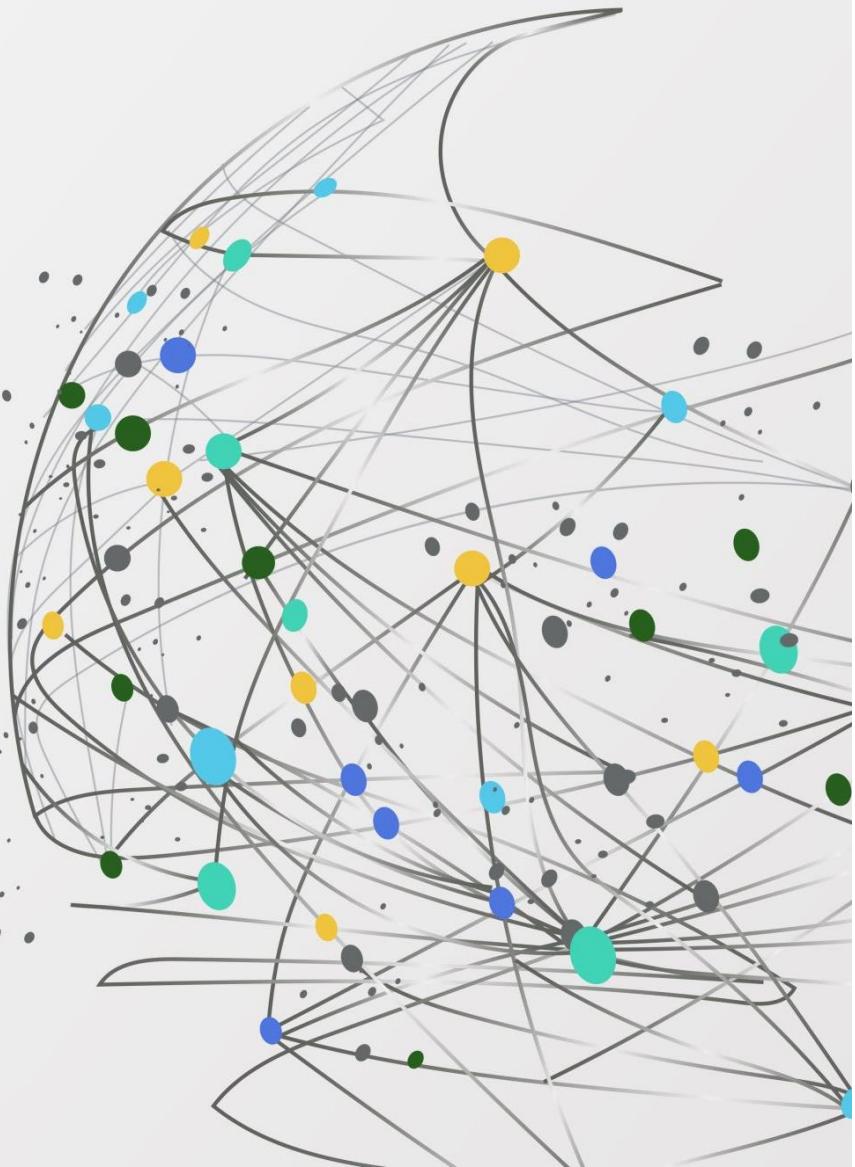
DAX RELATED TABLES

Devuelve las tablas relacionadas filtradas para que solo incluya las filas relacionadas.





LABORATORIO 6



EJERCICIO

[HTTPS://WWW.WISEOWL.CO.UK/POWER-BI/EXERCISES/DAX/CALCULATED-COLUMNS/4417](https://www.wiseowl.co.uk/power-bi/exercises/dax/calculated-columns/4417)

Year	Revenue	Revenue YTD
■ FY2018	\$23,860,891.17	\$23,860,891.17
2017 Jul	\$1,423,357.32	\$1,423,357.32
2017 Aug	\$2,057,902.45	\$3,481,259.78
2017 Sep	\$2,523,947.55	\$6,005,207.32
2017 Oct	\$561,681.48	\$6,566,888.80
2017 Nov	4,764,920.16	\$11,331,808.96
2017 Dec	\$596,746.56	\$11,928,555.52
2018 Jan	\$1,327,674.63	\$13,256,230.15
2018 Feb	\$3,936,463.31	\$17,192,693.45
2018 Mar	\$700,873.18	\$17,893,566.64
2018 Apr	\$1,519,275.24	\$19,412,841.88
2018 May	\$2,960,378.09	\$22,373,219.97
2018 Jun	\$1,487,671.19	\$23,860,891.17
■ FY2019	\$34,070,108.50	\$34,070,108.50
2018 Jul	\$2,939,691.00	\$2,939,691.00
2018 Aug	\$3,964,801.20	\$6,904,492.20
2018 Sep	\$3,287,605.93	\$10,192,098.13

Resúmenes a lo largo del tiempo

Un grupo de las funciones de inteligencia de tiempo de DAX está relacionado con los resúmenes a lo largo del tiempo:

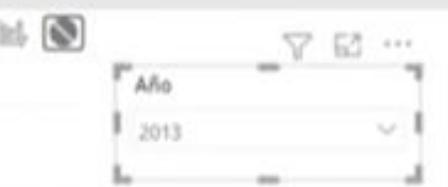
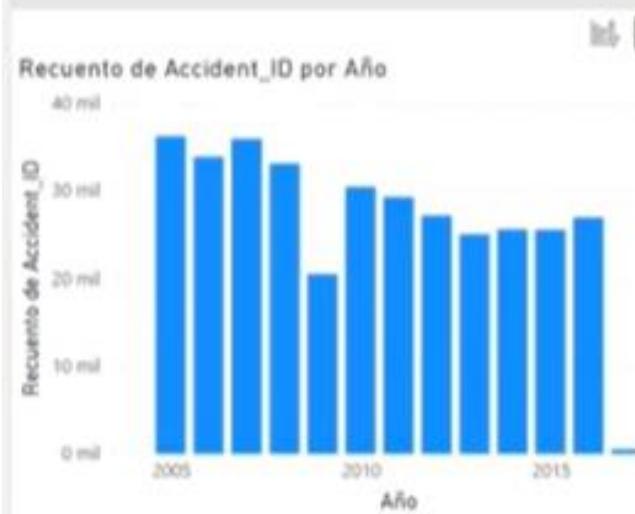
- [DATESYTD](#): devuelve una tabla de una sola columna que contiene las fechas para anual hasta la fecha (YTD) en el contexto de filtro actual. En este grupo también se incluyen las funciones [DATESMTD](#) y [DATESQTD](#) de DAX para mes hasta la fecha (MTD) y trimestre hasta la fecha (QTD). Puede pasar estas funciones como filtros en la función [CALCULATE](#) de DAX.
- [TOTALYTD](#): evalúa una expresión para YTD en el contexto de filtro actual. También se incluyen las funciones QTD y MTD de DAX de [TOTALQTD](#) y [TOTALMTD](#).
- [DATESBETWEEN](#): devuelve una tabla que contiene una columna de fechas que empieza con una fecha de inicio determinada y sigue hasta una fecha de finalización concreta.
- [DATESINPERIOD](#): devuelve una tabla que contiene una columna de fechas que comienza con una fecha de inicio determinada y continúa con un número de intervalos especificado.

Comparaciones a lo largo del tiempo

Otro grupo de las funciones de inteligencia de tiempo de DAX se relaciona con el desplazamiento de períodos de tiempo:

- [DATEADD](#): devuelve una tabla que contiene una columna de fechas, desplazada cada una de ellas hacia delante o hacia atrás en el tiempo de acuerdo con el número especificado de intervalos de fechas en el contexto de filtro actual.
- [PARALLELPERIOD](#): devuelve una tabla que contiene una columna de fechas que representa un período que es paralelo a las fechas de la columna de fechas especificada, en el contexto de filtro actual, con las fechas desplazadas varios intervalos hacia adelante o hacia atrás en el tiempo.
- [SAMEPERIODLASTYEAR](#): devuelve una tabla que contiene una columna de fechas que se desplaza un año atrás con respecto a las fechas de la columna de fechas especificada en el contexto de filtro actual.
- Muchas funciones auxiliares de DAX para ir hacia atrás o hacia delante en períodos de tiempo específicos, todas las cuales devuelven una tabla de fechas. Estas funciones auxiliares incluyen [NEXTDAY](#), [NEXTMONTH](#), [NEXTQUARTER](#), [NEXTYEAR](#) y [PREVIOUSDAY](#), [PREVIOUSMONTH](#), [PREVIOUSQUARTER](#) y [PREVIOUSYEAR](#).

Cuantifica la cantidad de accidentes que ocurrieron en 2016 y determina el porcentaje de incremento / decremento vs el año previo
(2015)



Conteo Simple de Accidentes

25.044

Conteo de Accidentes PY

27.181

% Variación

-7.86 %

MEDIA MOVIL



Media móvil



LABORATORIO 5

Year	Revenue	Revenue YTD	Revenue YoY %	New Customers
■ FY2018	\$23,860,891.17	\$23,860,891.17		2,459
2017 Jul	\$1,423,357.32	\$1,423,357.32		289
2017 Aug	\$2,057,902.45	\$3,481,259.78		159
2017 Sep	\$2,523,947.55	\$6,005,207.32		161
2017 Oct	\$561,681.48	\$6,566,888.80		174
2017 Nov	\$4,764,920.16	\$11,331,808.96		230
2017 Dec	\$596,746.56	\$11,928,555.52		188
2018 Jan	\$1,327,674.63	\$13,256,230.15		193
2018 Feb	\$3,936,463.31	\$17,192,693.45		177
2018 Mar	\$700,873.18	\$17,893,566.64		219
2018 Apr	\$1,519,275.24	\$19,412,841.88		202
2018 May	\$2,960,378.09	\$22,373,219.97		222
2018 Jun	\$1,487,671.19	\$23,860,891.17		245

Year	Revenue	Revenue YTD	Revenue YoY %	Customers LTD
■ FY2018	\$23,860,891.17	\$23,860,891.17		2,459
2017 Jul	\$1,423,357.32	\$1,423,357.32		289
2017 Aug	\$2,057,902.45	\$3,481,259.78		448
2017 Sep	\$2,523,947.55	\$6,005,207.32		609
2017 Oct	\$561,681.48	\$6,566,888.80		783
2017 Nov	\$4,764,920.16	\$11,331,808.96		1,013
2017 Dec	\$596,746.56	\$11,928,555.52		1,201
2018 Jan	\$1,327,674.63	\$13,256,230.15		1,394
2018 Feb	\$3,936,463.31	\$17,192,693.45		1,571
2018 Mar	\$700,873.18	\$17,893,566.64		1,790
2018 Apr	\$1,519,275.24	\$19,412,841.88		1,992
2018 May	\$2,960,378.09	\$22,373,219.97		2,214
2018 Jun	\$1,487,671.19	\$23,860,891.17		2,459

Calendar Year
 CY 2008
 CY 2009

Weekday
 Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

Calendar Year	Sales Amount	Sales Amount YTD
CY 2008	173.320.138,93	1.186.103.836,54
January	12.577.310,21	74.223.274,74
01/01/2008	2.521.048,94	2.521.048,94
08/01/2008	2.439.524,56	20.367.683,81
15/01/2008	2.682.663,13	38.532.336,53
22/01/2008	2.365.135,73	56.079.901,06
29/01/2008	2.568.937,84	74.223.274,74
February	12.038.695,30	155.531.575,60
05/02/2008	2.842.525,45	93.164.391,74
12/02/2008	3.084.320,22	114.149.181,52
19/02/2008	3.190.781,29	134.792.159,58
26/02/2008	2.921.068,35	155.531.575,60
March	10.748.889,51	232.450.253,40
04/03/2008	2.587.876,83	175.283.829,96
11/03/2008	2.785.651,43	193.895.779,42
18/03/2008	2.930.620,50	213.726.641,00
25/03/2008	2.444.740,75	232.450.253,40
April	17.720.860,66	351.487.590,39
01/04/2008	3.295.633,97	252.624.039,68
08/04/2008	3.464.243,54	277.604.116,49
15/04/2008	3.710.607,78	303.046.839,18
22/04/2008	3.357.620,84	326.270.347,45
29/04/2008	3.892.754,53	351.487.590,39
Total	173.320.138,93	1.186.103.836,54

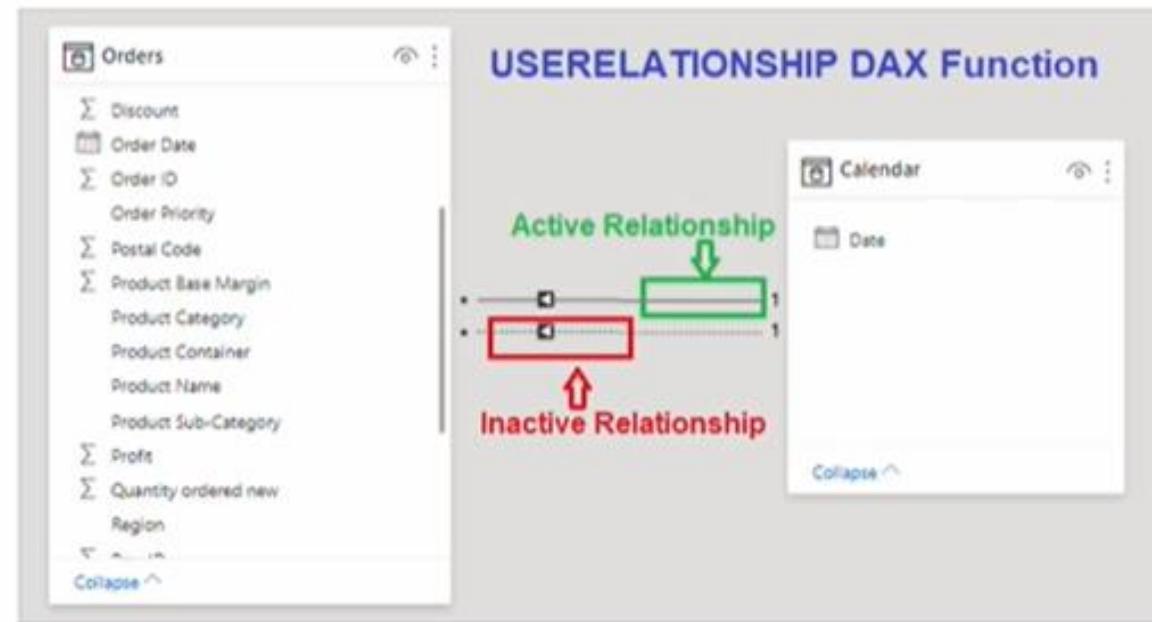
Calendar Year	Sales Amount YTD
CY 2008	1.189.326.612,81
January	79.431.234,29
01/01/2008	2.521.048,94
02/01/2008	5.088.117,41
03/01/2008	7.907.215,30
04/01/2008	10.513.723,35
05/01/2008	12.940.450,85
06/01/2008	15.549.704,67
07/01/2008	17.928.159,25
08/01/2008	20.367.683,81
09/01/2008	22.706.110,46
10/01/2008	25.462.810,13
11/01/2008	27.944.161,22
12/01/2008	30.622.930,17
13/01/2008	33.314.190,66
14/01/2008	35.849.673,40
15/01/2008	38.532.336,53
16/01/2008	40.759.255,44
17/01/2008	43.507.820,30
18/01/2008	46.217.487,60
19/01/2008	48.595.304,50
20/01/2008	51.167.681,15
21/01/2008	53.714.765,32
Total	1.189.326.612,81



EJERCICIO 3

DAX USERELATIONSHIP

Especifica una relación existente que se usará en la evaluación de una expresión DAX. La relación se define nombrando, como argumentos, las dos columnas que sirven como puntos finales.





EJERCICIO 5

[Volver al informe](#)

Month Name	Suma de Sales	Acumulado
April	6.964.775,07	6.964.775,07
August	5.864.622,42	12.829.397,49
December	17.367.228,98	30.196.626,47
February	7.297.531,39	37.494.157,86
January	6.607.761,68	44.101.919,54
July	8.102.920,18	52.204.839,72
June	9.518.893,82	61.723.733,54
March	5.586.859,87	67.310.593,41
May	6.210.211,06	73.520.804,47
November	12.651.417,50	86.172.221,97
October	21.671.431,02	107.843.652,99
September	10.882.697,27	118.726.350,26
Total	118.726.350,26	118.726.350,26

X ✓ fx 1 Acumulado = RUNNINGSUM([Suma de Sales])

Month Name	Suma de Sales	Acumulado
April	6.964.775,07	6.964.775,07
August	5.864.622,42	12.829.397,49
December	17.367.228,98	30.196.626,47
February	7.297.531,39	37.494.157,86
January	6.607.761,68	44.101.919,54
July	8.102.920,18	52.204.839,72
June	9.518.893,82	61.723.733,54
March	5.586.859,87	67.310.593,41
May	6.210.211,06	73.520.804,47
November	12.651.417,50	86.172.221,97
October	21.671.431,02	107.843.652,99
September	10.882.697,27	118.726.350,26
Total	118.726.350,26	118.726.350,26

Visualizaciones

Compilar visual

Buscar

Filtros de este objeto visual ...

Month Name es (todos)

Suma de Sales es (todos)

Agregar campos de datos ...

Filtros de esta página ...

Agregar campos de datos ...

Filtros de todas las páginas ...

Agregar campos de datos ...

Columnas

Month Name

Suma de Sales

Acumulado

Obtener detalles

Entre varios informes

Mantener todos los filtros

Agregue los campos de ob...

X ✓ fx

1 Porcentaje del total = IF(ISINScope([Month Name]),FORMAT(DIVIDE([Suma de Sales],COLLAPSEALL([Suma de Sales],ROWS)),"#,##0%")," ")

Month Name	Suma de Sales	Acumulado	Porcentaje del total
April	6.964.775,07	6.964.775,07	6%
August	5.864.622,42	12.829.397,49	5%
December	17.367.228,98	30.196.626,47	15%
February	7.297.531,39	37.494.157,86	6%
January	6.607.761,68	44.101.919,54	6%
July	8.102.920,18	52.204.839,72	7%
June	9.518.893,82	61.723.733,54	8%
March	5.586.859,87	67.310.593,41	5%
May	6.210.211,06	73.520.804,47	5%
November	12.651.417,50	86.172.221,97	11%
October	21.671.431,02	107.843.652,99	18%
September	10.882.697,27	118.726.350,26	9%
Total	118.726.350,26	118.726.350,26	

X ✓ fx

1 Ventas vs mes anterior = [Suma de Sales] - PREVIOUS([Suma de Sales])

Month Name	Suma de Sales	Acumulado	Porcentaje del total	Ventas vs mes anterior
April	6.964.775,07	6.964.775,07	6%	6.964.775,07
August	5.864.622,42	12.829.397,49	5%	-1.100.152,65
December	17.367.228,98	30.196.626,47	15%	11.502.606,56
February	7.297.531,39	37.494.157,86	6%	-10.069.697,59
January	6.607.761,68	44.101.919,54	6%	-689.769,71
July	8.102.920,18	52.204.839,72	7%	1.495.158,50
June	9.518.893,82	61.723.733,54	8%	1.415.973,64
March	5.586.859,87	67.310.593,41	5%	-3.932.033,95
May	6.210.211,06	73.520.804,47	5%	623.351,19
November	12.651.417,50	86.172.221,97	11%	6.441.206,44
October	21.671.431,02	107.843.652,99	18%	9.020.013,52
September	10.882.697,27	118.726.350,26	9%	-10.788.733,75
Total	118.726.350,26	118.726.350,26		118.726.350,26

X ✓ fx 1 Porcentaje del anterior = IF(ISINSCOPE([Month Name]),FORMAT(([Suma de Sales] - PREVIOUS([Suma de Sales]))/[Suma de Sales],"#,##0%")," ")

Month Name	Suma de Sales	Acumulado	Porcentaje del total	Ventas vs mes anterior	Porcentaje del anterior
April	6.964.775,07	6.964.775,07	6%	6.964.775,07	100%
August	5.864.622,42	12.829.397,49	5%	-1.100.152,65	-19%
December	17.367.228,98	30.196.626,47	15%	11.502.606,56	66%
February	7.297.531,39	37.494.157,86	6%	-10.069.697,59	-138%
January	6.607.761,68	44.101.919,54	6%	-689.769,71	-10%
July	8.102.920,18	52.204.839,72	7%	1.495.158,50	18%
June	9.518.893,82	61.723.733,54	8%	1.415.973,64	15%
March	5.586.859,87	67.310.593,41	5%	-3.932.033,95	-70%
May	6.210.211,06	73.520.804,47	5%	623.351,19	10%
November	12.651.417,50	86.172.221,97	11%	6.441.206,44	51%
October	21.671.431,02	107.843.652,99	18%	9.020.013,52	42%
September	10.882.697,27	118.726.350,26	9%	-10.788.733,75	-99%
Total	118.726.350,26	118.726.350,26		118.726.350,26	

X ✓ fx

1 Promedio móvil = MOVINGAVERAGE([Suma de Sales], 3)

Month Name	Suma de Sales	Acumulado	Porcentaje del total	Ventas vs mes anterior	Promedio móvil
April	6.964.775,07	6.964.775,07	6%	6.964.775,07	6.964.775,07
August	5.864.622,42	12.829.397,49	5%	-1.100.152,65	6.414.698,75
December	17.367.228,98	30.196.626,47	15%	11.502.606,56	10.065.542,16
February	7.297.531,39	37.494.157,86	6%	-10.069.697,59	10.176.460,93
January	6.607.761,68	44.101.919,54	6%	-689.769,71	10.424.174,02
July	8.102.920,18	52.204.839,72	7%	1.495.158,50	7.336.071,08
June	9.518.893,82	61.723.733,54	8%	1.415.973,64	8.076.525,23
March	5.586.859,87	67.310.593,41	5%	-3.932.033,95	7.736.224,62
May	6.210.211,06	73.520.804,47	5%	623.351,19	7.105.321,58
November	12.651.417,50	86.172.221,97	11%	6.441.206,44	8.149.496,14
October	21.671.431,02	107.843.652,99	18%	9.020.013,52	13.511.019,86
September	10.882.697,27	118.726.350,26	9%	-10.788.733,75	15.068.515,26
Total	118.726.350,26	118.726.350,26		118.726.350,26	118.726.350,26

Copilot-Internet-Sales-AW Confidential\Microsoft Extended Search

File View Reading view Mobile layout Open data model Copilot EnglishCountryRegionName All Category All

Internet Sales Analysis by Product Category and Geography

Count of Category: 4 Count of EnglishCountryRegionName: 6 Sum of SalesAmount: 29.36M Revenue % of Sales: 41%

Sum of SalesAmount by EnglishCountryRegionName

Sum of SalesAmount by Category, Sub-Category and EnglishProductName

Sum of SalesAmount by EnglishCountryRegionName

Sum of SalesAmount by EnglishPromotionType

Sum of SalesAmount by Sub-Category

Sum of SalesAmount by Date and Category

Suggest content for this report

OK, here's a suggested outline for your report. Select any page topic to view details and start creating pages.

Sales Performance by Product

Customer Segmentation and Loyalty

Promotion Effectiveness and ROI

Inventory and Supply Chain Management

Describe the report you want or select the prompt guide for ideas

Content created by AI may not be accurate or appropriate, so review it carefully. [Read terms](#)

Power BI

Internet Sales Analysis by Product Catego...

Page 1 of 1

Create a narrative with Copilot



Describe the summary you want and the visuals it should reference. AI-generated content can contain mistakes, so review your summary carefully. [Read terms](#)

Give an executive summary

Answer likely questions from leadership

Create a bulleted list of insights

Summarize the data.

19/300

Reference visuals

Current page

Create

400M

100



(4...)

Sport...



EJERCICIO 8



EJERCICIO 9