

# Power BI



**PRESENTACIONES**



# ¿QUÉ ES BI?



# REVOLUCIÓN INDUSTRIAL



# ¿QUÉ ES POWER BI?



Power BI Desktop

# COMPETIDORES





Power BI

vs



Tableau

vs



Qlik

# POWER PLATFORM



**Microsoft Power Platform**

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



**Power BI**  
Business analytics



**Power Apps**  
App development



**Power Automate**  
Process automation



**Power Virtual Agents**  
Intelligent virtual agents



**Power Pages**  
External-facing websites



**Data  
connectors**

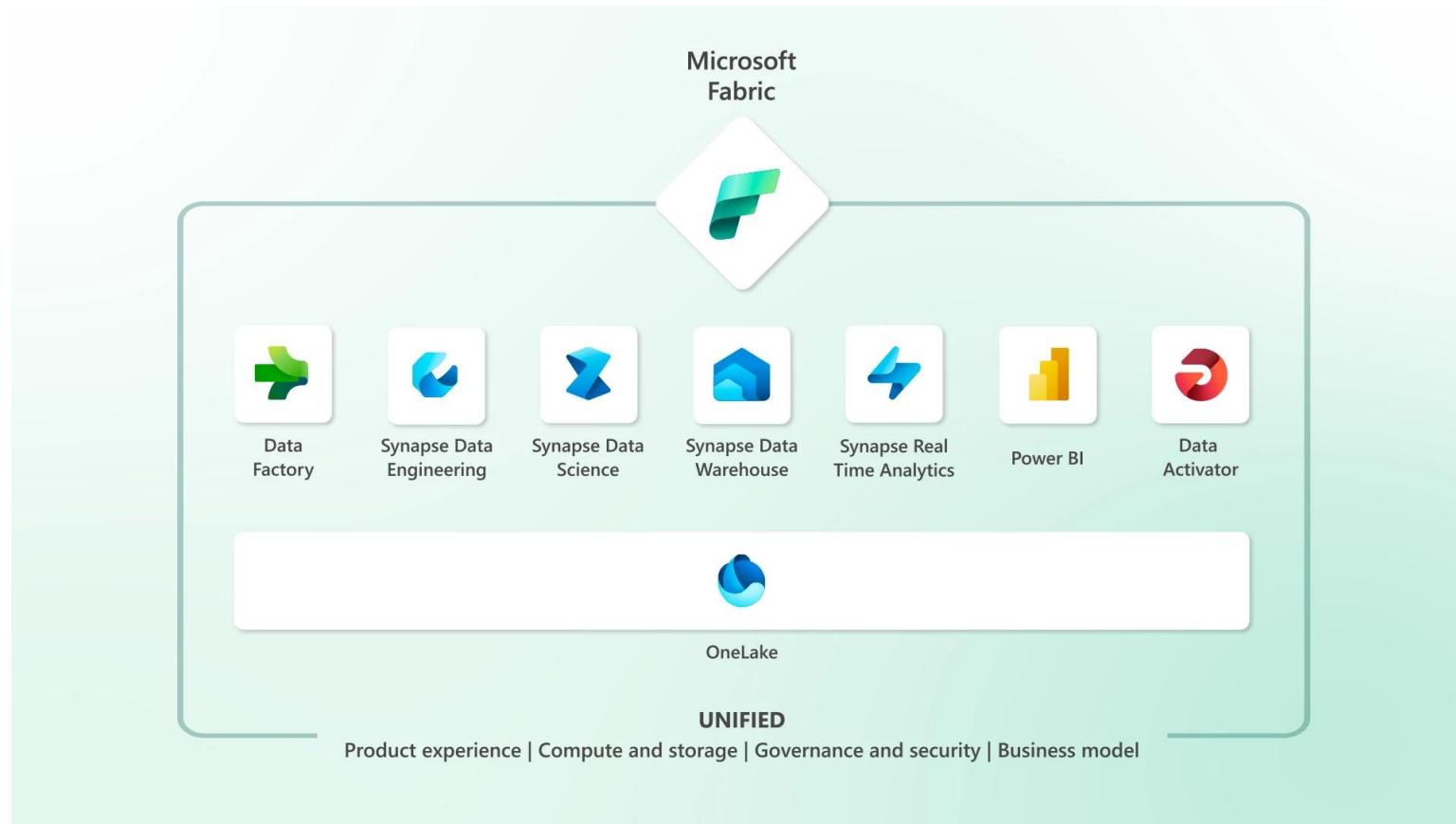


**AI Builder**



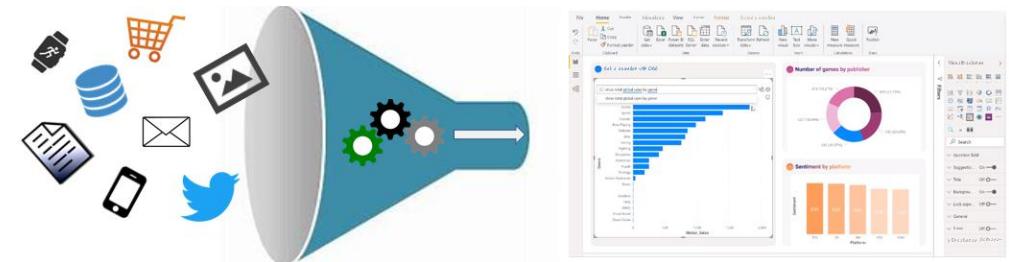
**Dataverse**

# MICROSOFT FABRIC



# CASOS DE USO

- Seguimiento del inventario
- Identificación de hábitos de compra
- Detección de tendencias y patrones de usuarios
- Recomendación de compras
- Definición de optimizaciones de precios
- Identificación y detención del fraude



# TIPOS DE ANÁLISIS

- Descriptivo
- Diagnóstico
- Predictivo
- Prescriptivo
- Cognitivo





Preparación

Modelo

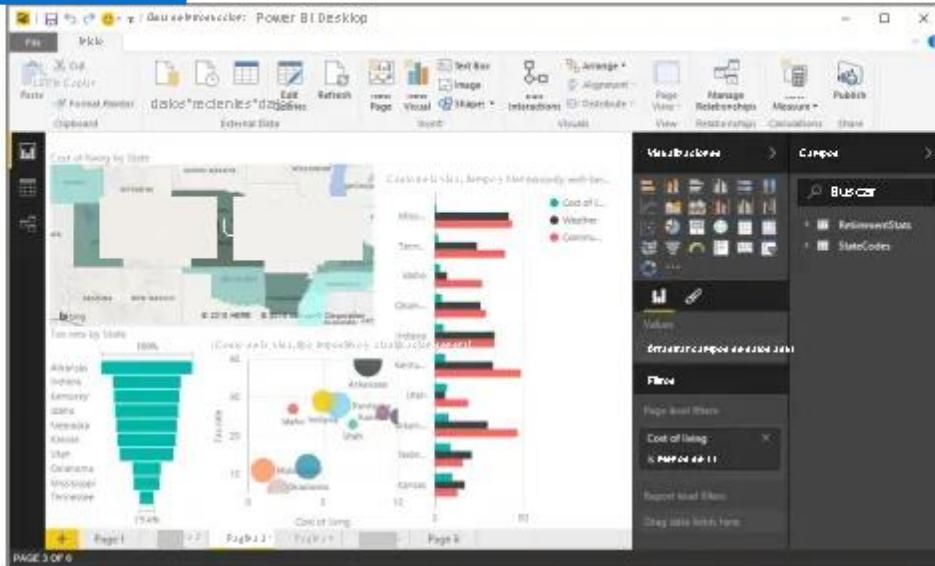
Visualización

Análisis

Administración

TAREAS

## Power BI Desktop



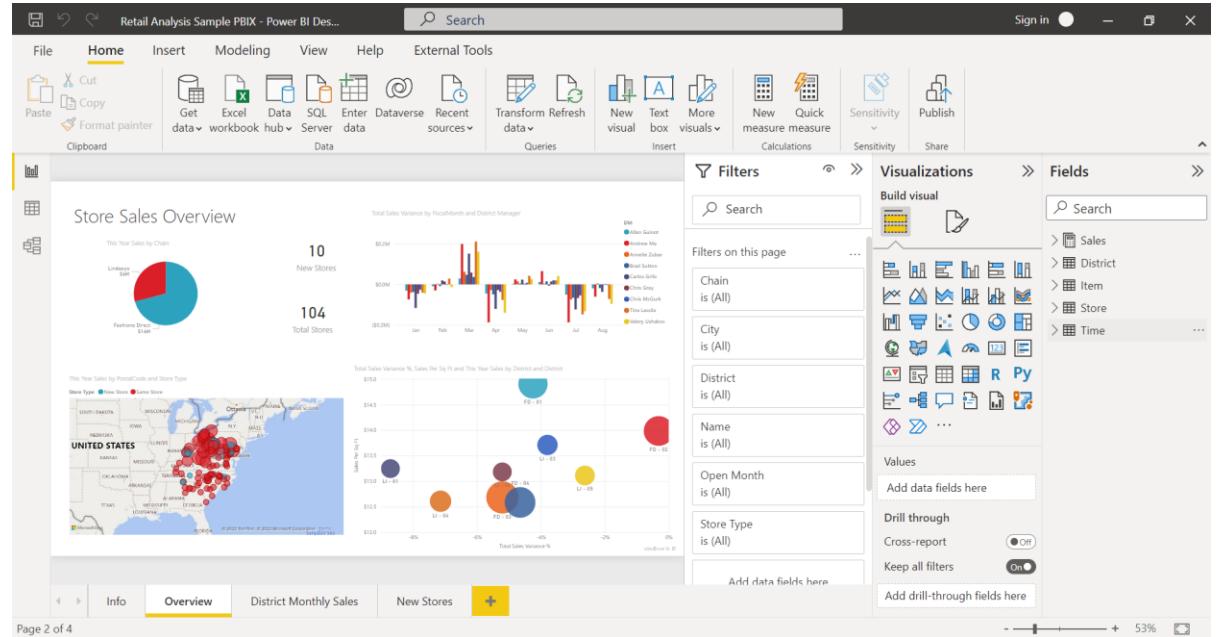
## Servicio Power BI



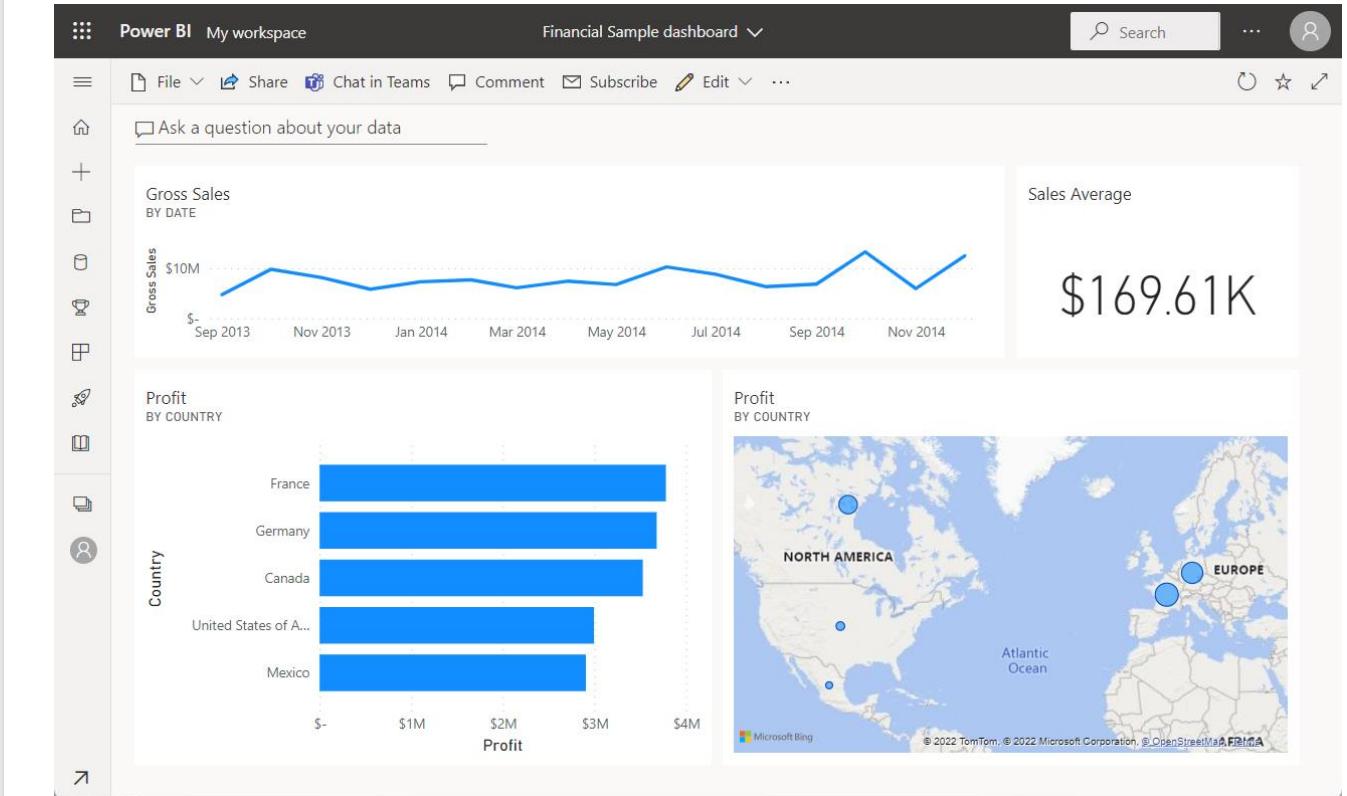
## Power BI Mobile

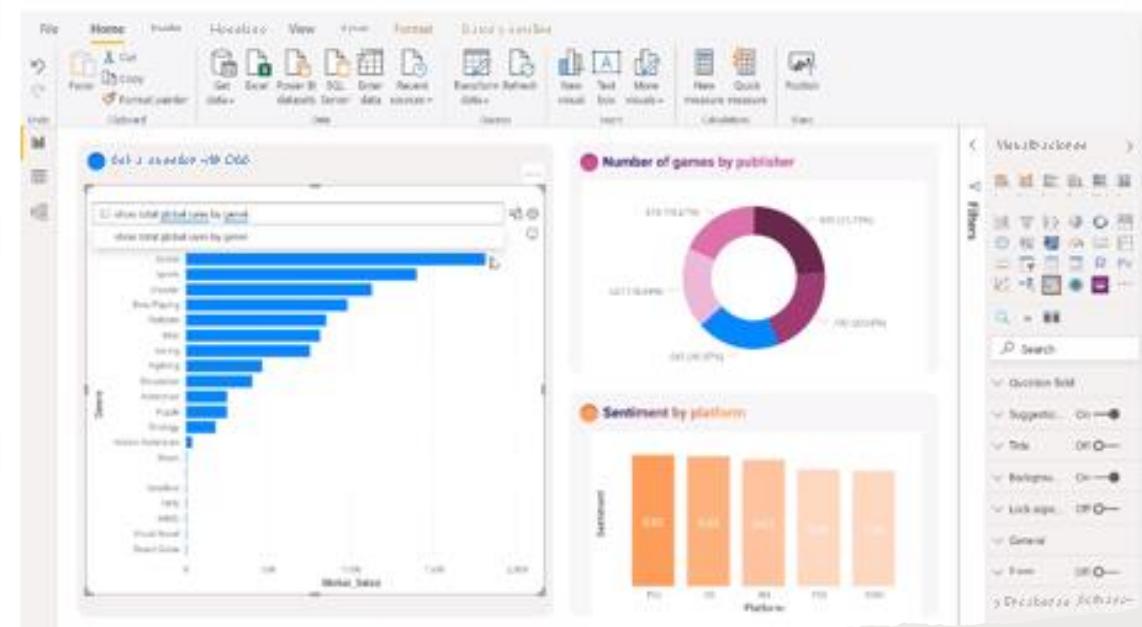


# POWER BI DESKTOP



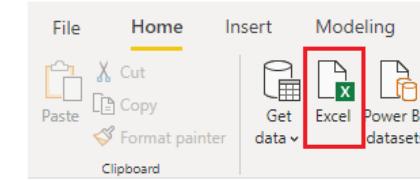
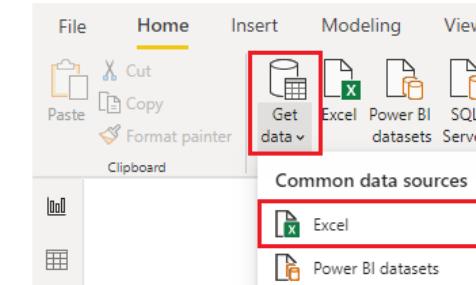
# POWER BI SERVICE





# FUENTES DE DATOS

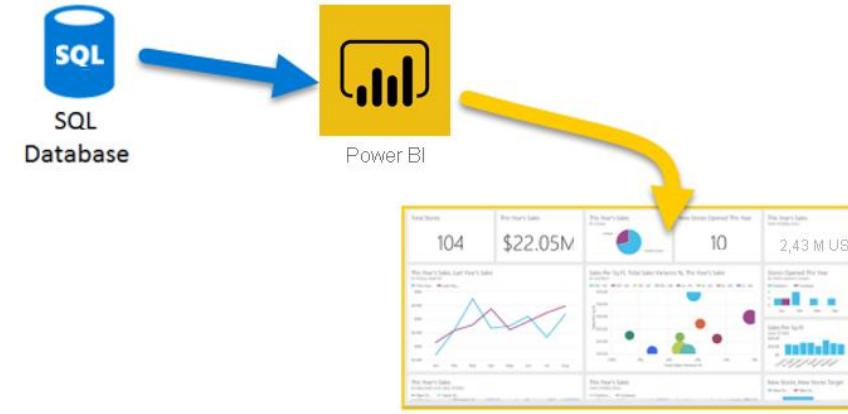
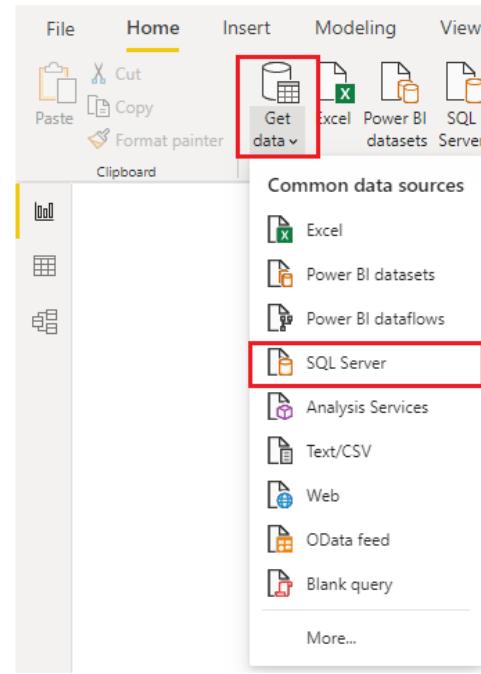
- Obtención de datos de archivo.
- Obtención de datos de orígenes de datos relacionales
- Obtención de datos de una base de datos NoSQL
- Obtención de datos de servicios en línea



# OBTENCIÓN DE DATOS DE ARCHIVO

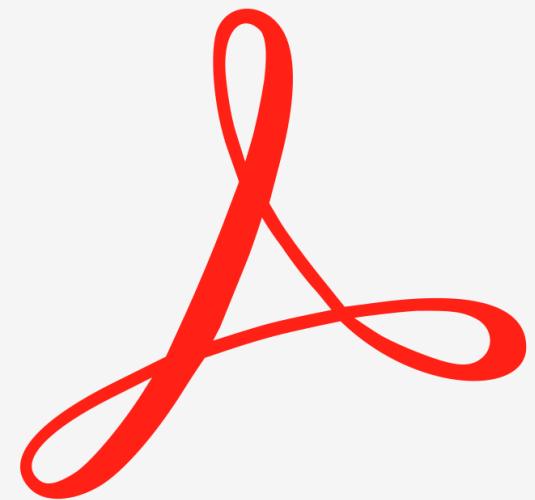
# CONEXIÓN A WEB





# SQL

PDF

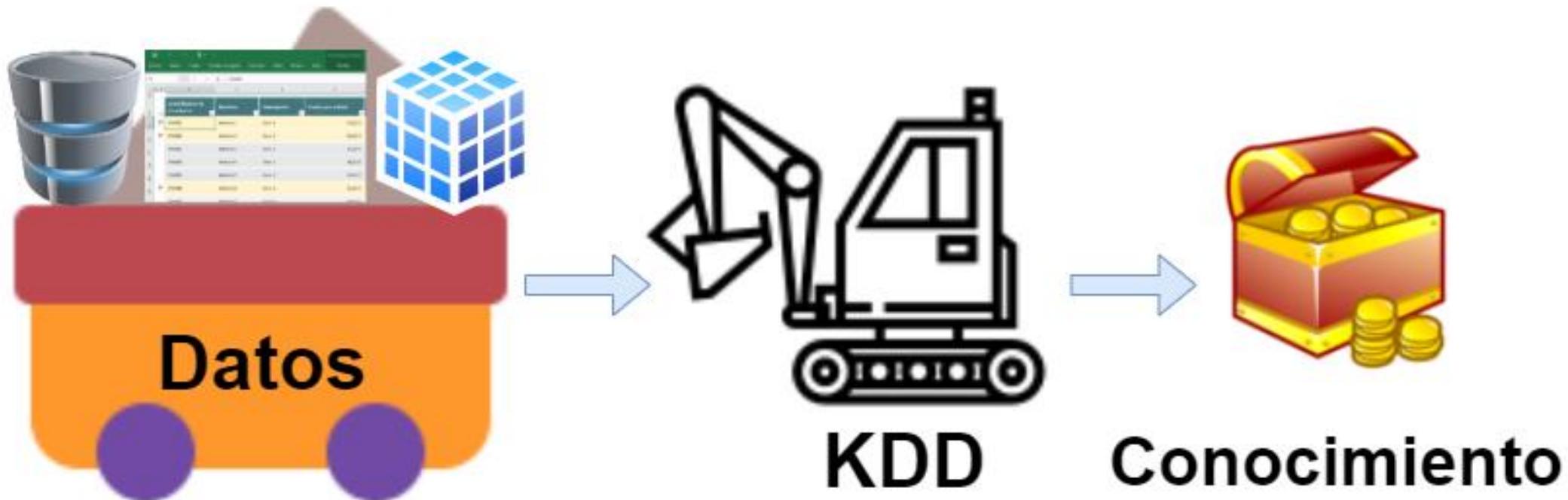


PDF

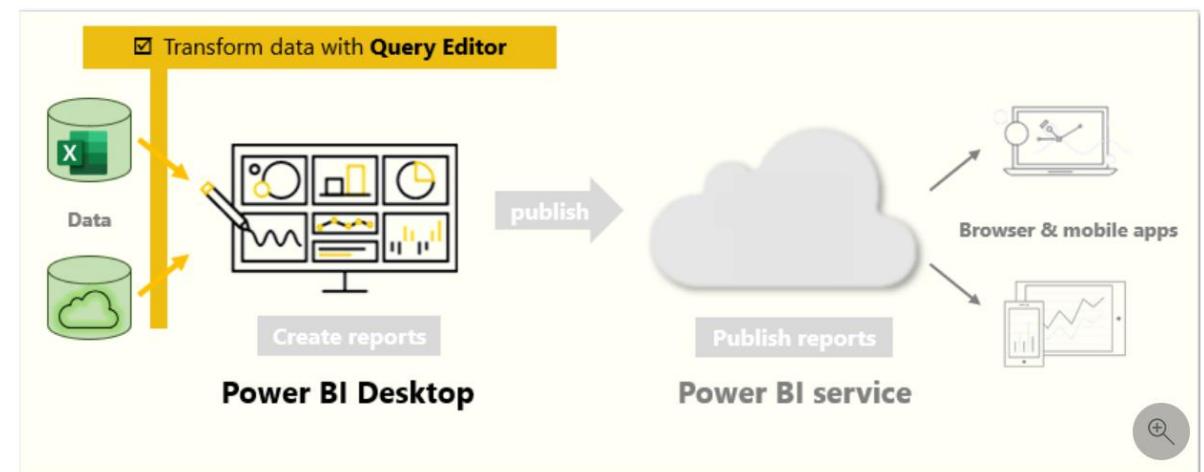
# EJERCICIO

- Consume los datos de esta web <https://www.worldometers.info/world-population/population-by-country/>
- Haz un gráfico de barras simple para ver los habitantes por país y comprobar que has ingestado correctamente los datos.

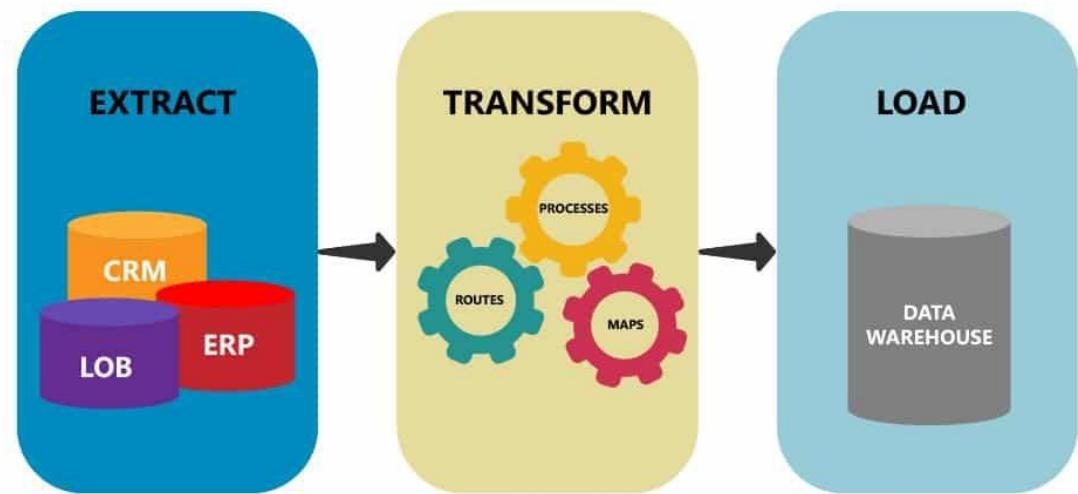
# PREPROCESAMIENTO



# 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
	's-Statiques	Guylène Nodier	Sales Manager	203, Rue des Francs-Bourgeois
		Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Re
		Leka	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.

Done Cancel

Power Query - Edit queries

1

Add column View Help

Manage parameters Refresh Advanced editor Choose columns Remove columns Keep rows Remove rows Sort Data type: Text Use first row as headers Split column Group by Merge queries Append queries Combine files Map to entity CDM AI insights

Parameters Query Manage columns Reduce rows Sort Transform Combine CDM Insights

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

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region
1	ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57	Berlin	null
2	ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Avda. de la Constitución 2222	México D.F.	null
3	ANTON	Antonio Moreno Taquería	Antonio Moreno	Sales Representative	Mataderos 2312	México D.F.	null
4	AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.	London	null
5	BERGS	Berglunds snabbköp	Christina Berglund	Order Administrator	Berguvsvägen 8	Luleå	null
6	BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative	Forsterstr. 57	Mannheim	null
7	BLONP	Blondesddsl père et fils	Frédérique Citeaux	Marketing Manager	24, place Kléber	Strasbourg	null
8	BOLID	Bólido Comidas preparadas	Martín Sommer	Owner	C/ Araquil, 67	Madrid	null
9	BONAP	Bon app'	Laurence Lebihan	Owner	12, rue des Bouchers	Marseille	null
10	BOTTM	Bottom-Dollar Markets	Elizabeth Lincoln	Accounting Manager	23 Tswassen Blvd.	Tswassen	BC
11	BSBEV	B's Beverages	Victoria Ashworth	Sales Representative	Fauntleroy Circus	London	null
12	CACTU	Cactus Comidas para llevar	Patricia Simpson	Sales Agent	Cerrito 333	Buenos Aires	null
13	CENTC	Centro comercial Moctezuma	Francisco Chang	Marketing Manager	Sierras de Granada 9993	México D.F.	null
		Chop-suey Chinese		Owner	Hauptstr. 29	Bern	null
					Av. dos Lusíadas, 23	Sao Paulo	SP
					Berkeley Gardens 12 Brewery	London	null
					21	Aachen	null
					Stanes	Nantes	null

Query settings

Name: Customers

Entity type: Custom

Applied steps:

- Source
- Navigation

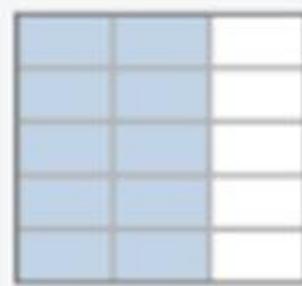
Step Cancel Save

# EDITOR DE POWER QUERY

# ADMINISTRAR COLUMNAS



Power BI



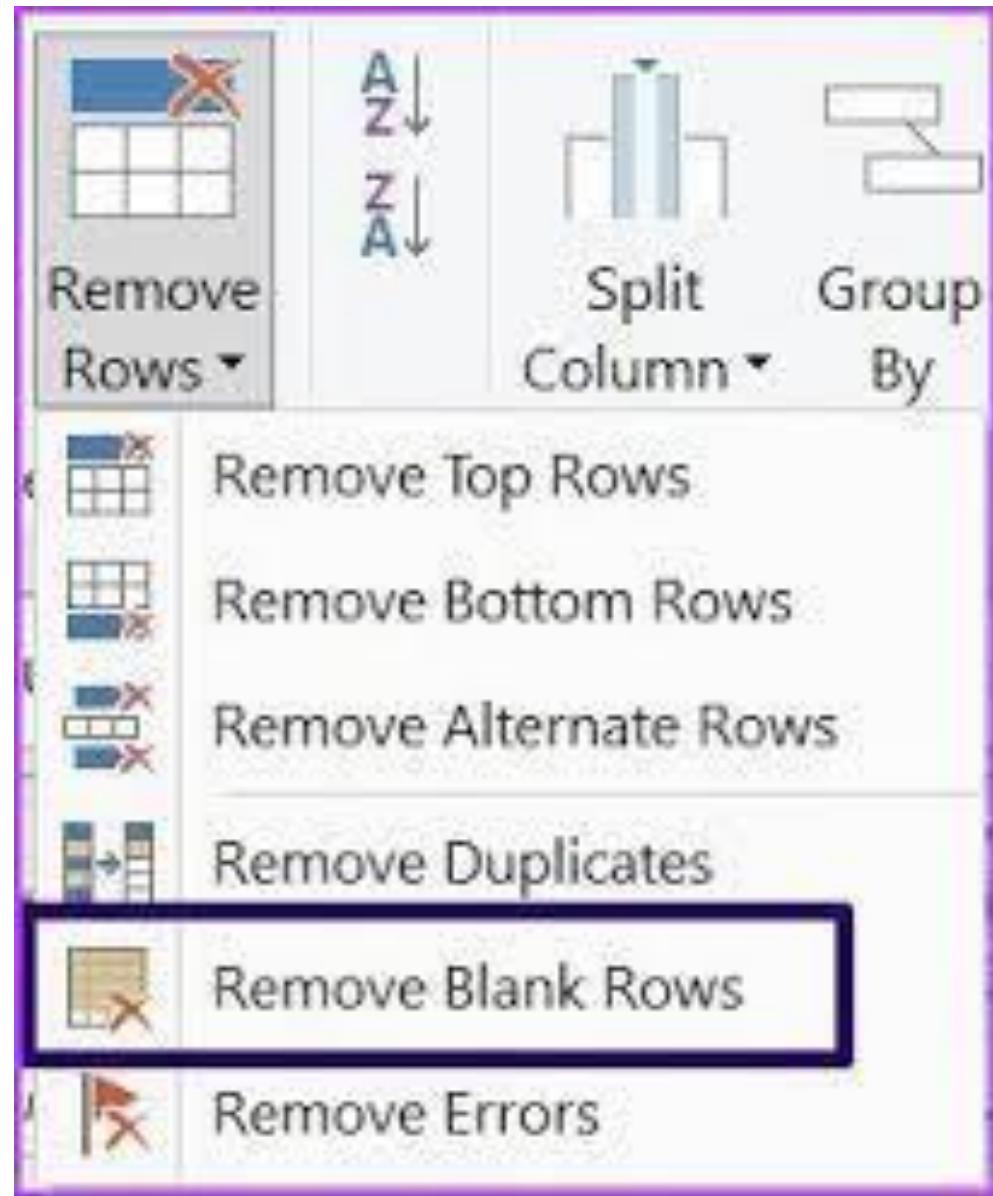
Elegir  
columnas ▾



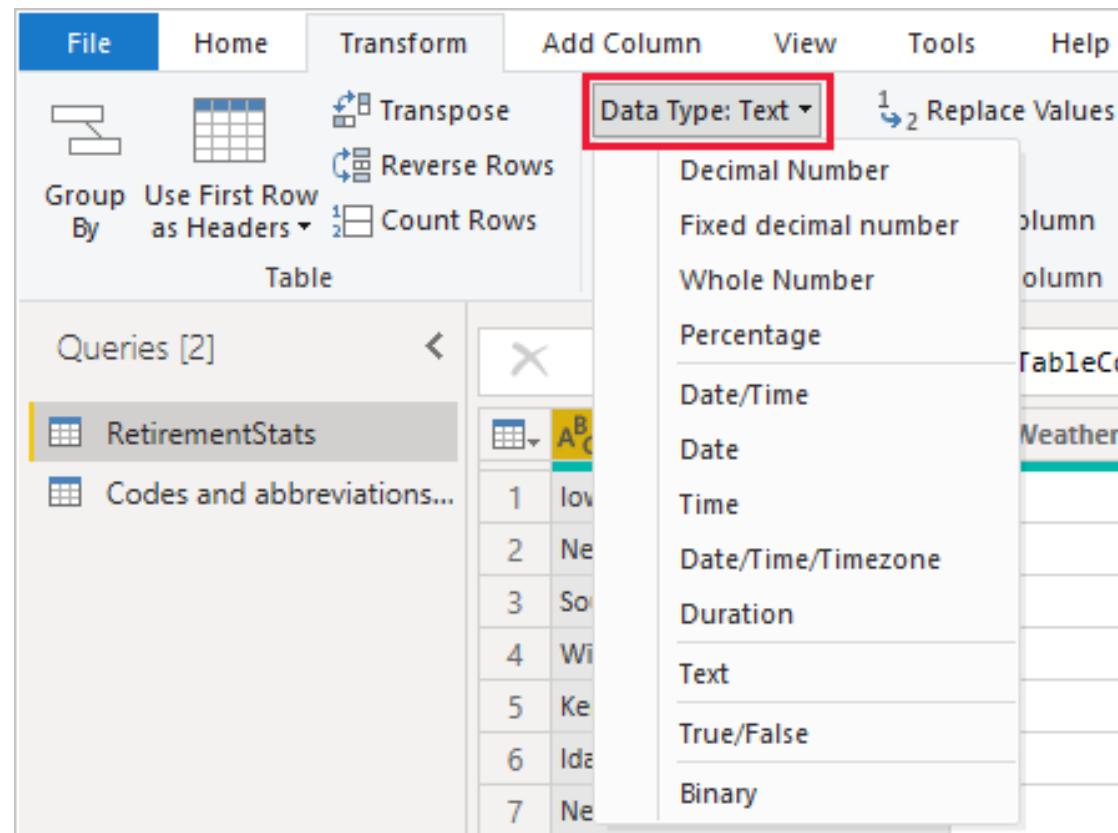
Quitar  
columnas ▾

ELIMINAR COLUMNAS

# ELIMINAR FILAS



# CONVERTIR TIPO DE DATOS



# DIVIDIR COLUMNAS

The screenshot shows the Microsoft Power Query Editor interface. The top navigation bar includes File, Home, Transform (selected), Add Column, View, Tools, and Help. The Transform tab has several icons: Group By, Use First Row as Headers, Transpose, Reverse Rows, Count Rows, Detect Data Type, Fill, Move, Rename, Pivot Column, Unpivot Columns, Convert to List, and Split Column. The 'Split Column' icon is highlighted with a red box. A context menu is open under 'Split Column' with the following options: By Delimiter, By Number of Characters, By Positions (highlighted with a red box), By Lowercase to Uppercase, By Uppercase to Lowercase, By Digit to Non-Digit, and By Non-Digit to Digit.

split-column - Power Query Editor

File Home Transform Add Column View Tools Help

Group By Use First Row as Headers Transpose Reverse Rows Count Rows Detect Data Type Fill Move Rename Pivot Column Unpivot Columns Convert to List Split Column Format ABC 123 Extract abc Parse

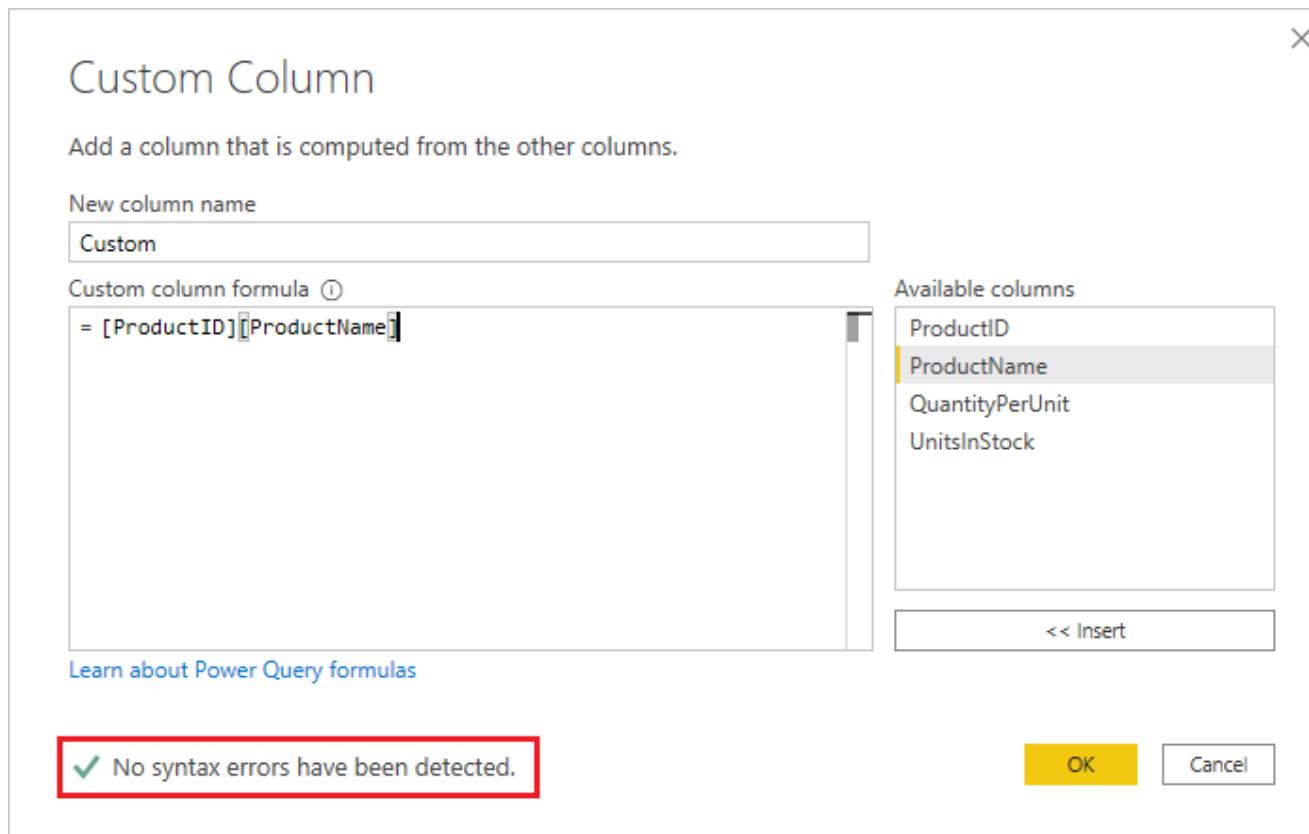
Table Any Column

= Table.FromRows(Json.Document(Binary.Decompress(Binary.FromText

Queries Column1

	Column1
1	PA000420190504150
2	US94242019112487489
3	PA4144202001123758
4	US84292020031467895

# COLUMNA PERSONALIZADA



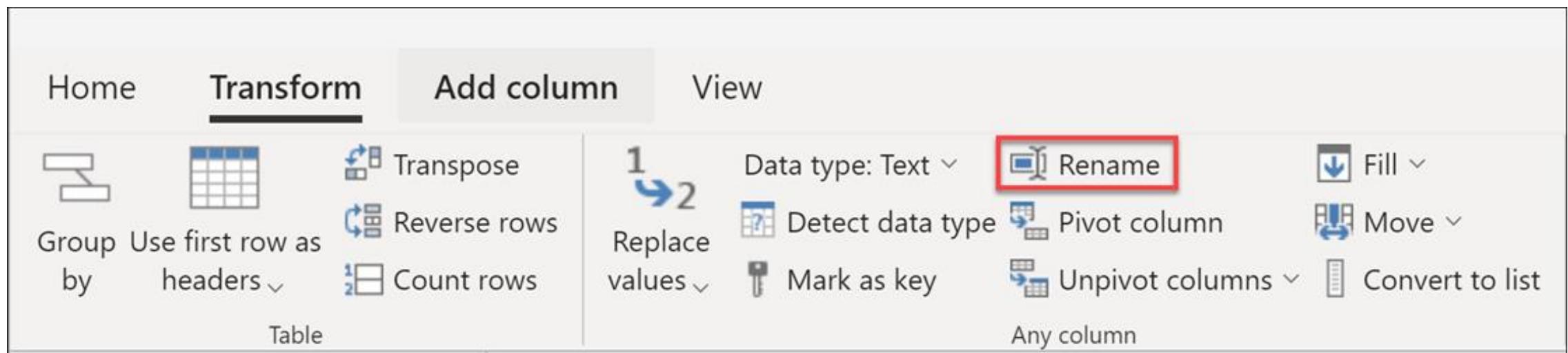
# REEMPLAZAR VALORES

The screenshot shows the Power BI Data Editor interface. A context menu is open over a table containing four rows of data. The table has three columns: Account ID, Category Name, and Sales Goal. The data is as follows:

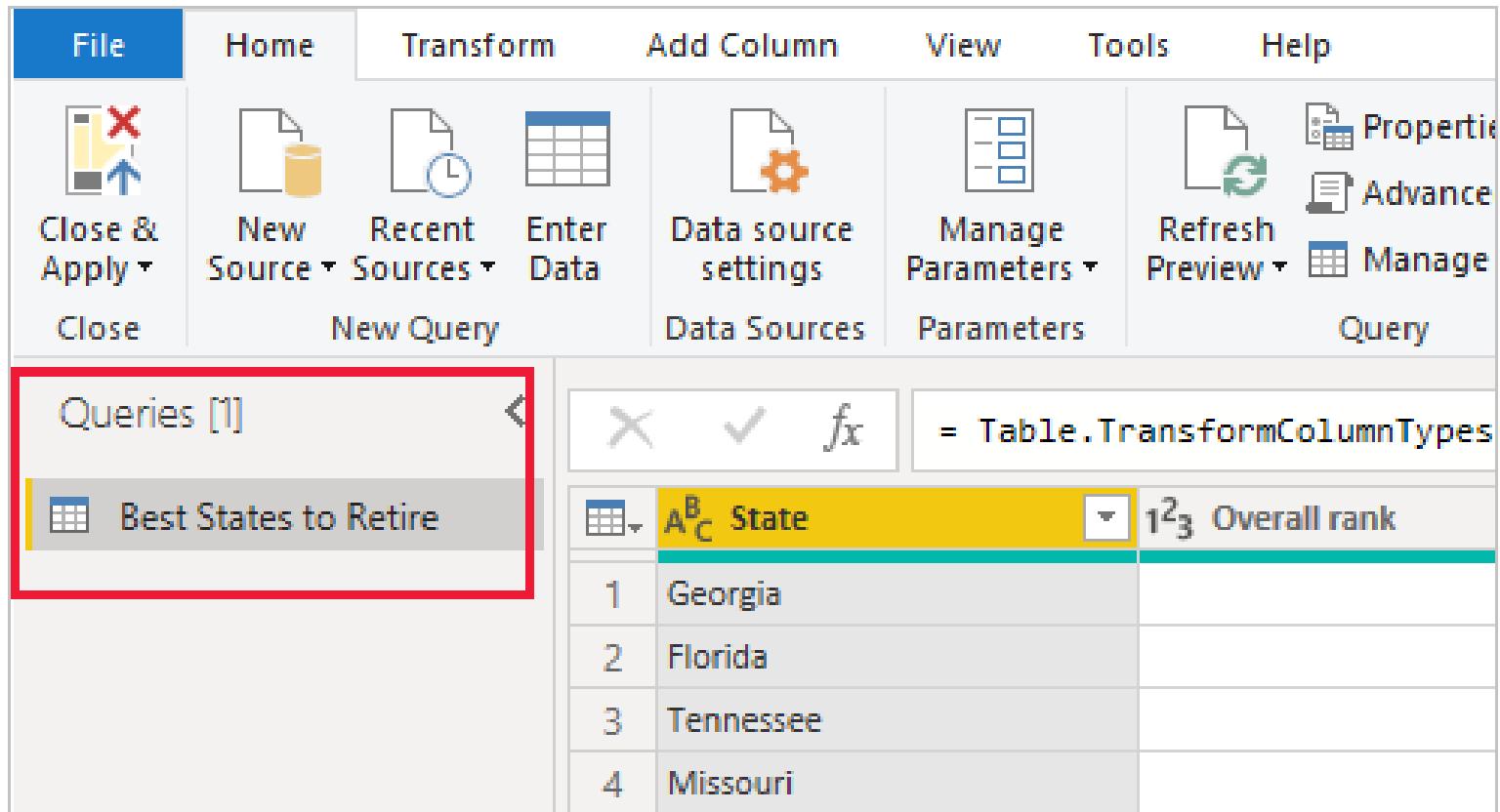
Account ID	Category Name	Sales Goal
1	120024 Category Name: Prime	
2	120025 Category Name: Main	
3	120026 Category Name: Base	
4	120027 Category Name: Lower	

The context menu, located on the right side of the screen, includes various options such as Copy, Remove, Duplicate Column, Add Column From Examples..., Remove Duplicates, Remove Errors, Change Type, Transform, Replace Values..., Replace Errors..., Group By..., Fill, Unpivot Columns, Unpivot Other Columns, Unpivot Only Selected Columns, Rename..., Move, Drill Down, and Add as New Query. The 'Replace Values...' option is highlighted with a red rectangle.

# CAMBIAR NOMBRE DE COLUMNAS



# APLICAR CAMBIOS



The screenshot shows the Microsoft Power BI desktop interface. The ribbon menu at the top includes File, Home, Transform, Add Column, View, Tools, and Help. Below the ribbon, there are several icons: Close & Apply, New Source, Recent Sources, Enter Data, Data source settings, Manage Parameters, Refresh Preview, Properties, Advance, and Manage. The 'Home' tab is currently selected. In the bottom left, a list of 'Queries [1]' is shown, with one item highlighted: 'Best States to Retire'. This item is also highlighted with a red box. To the right of the queries, a preview of the data is displayed in a table format. The table has two columns: 'State' and 'Overall rank'. The data rows are: 1 Georgia, 2 Florida, 3 Tennessee, and 4 Missouri. The 'State' column is bolded.

	State	Overall rank
1	Georgia	
2	Florida	
3	Tennessee	
4	Missouri	

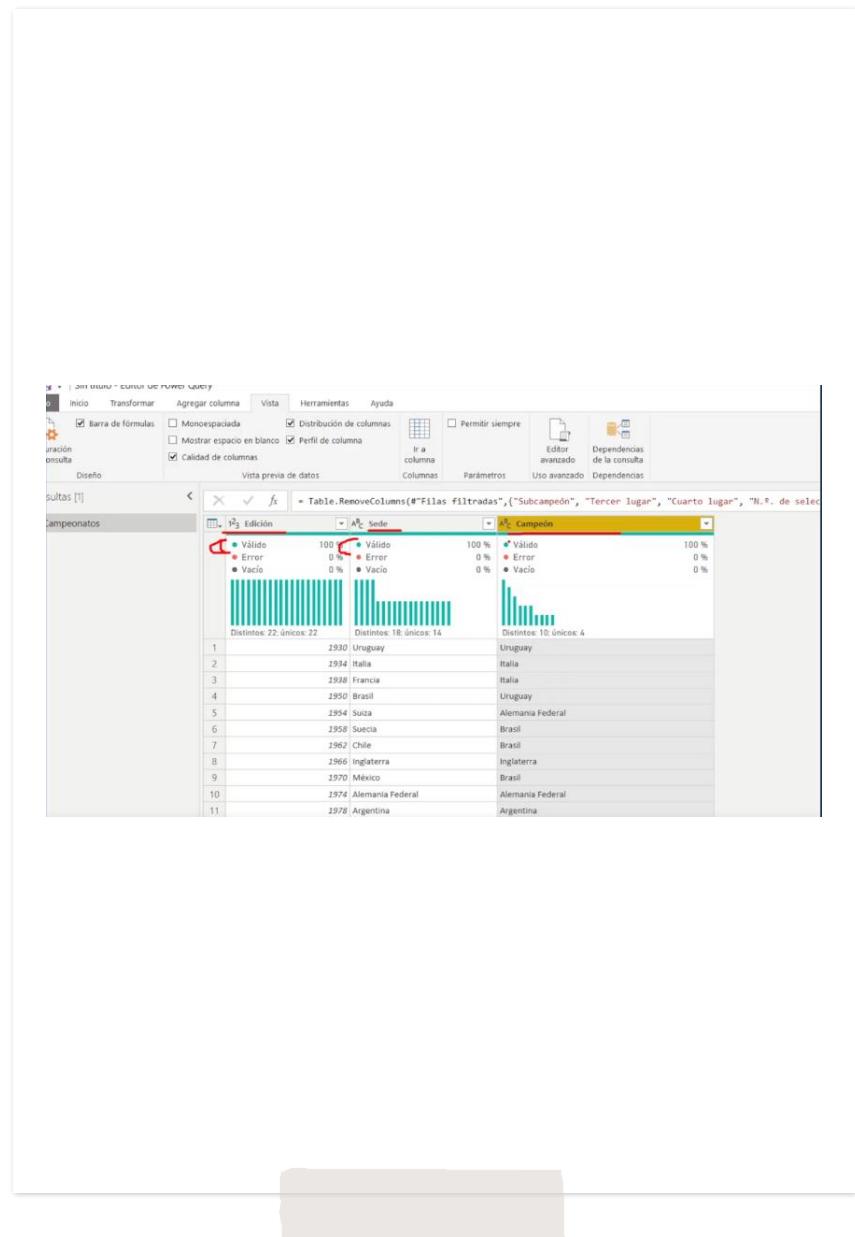
# EJERCICIO

Obtener información de esta url:  
[https://es.wikipedia.org/wiki/Copa\\_Mundial\\_de\\_F%C3%BAtbol](https://es.wikipedia.org/wiki/Copa_Mundial_de_F%C3%BAtbol) e importar la tabla de campeonatos. Generar una base de datos que permita identificar el equipo con mas campeonatos y la sede con mas mundiales realizados, debe de quedar como la adjunta

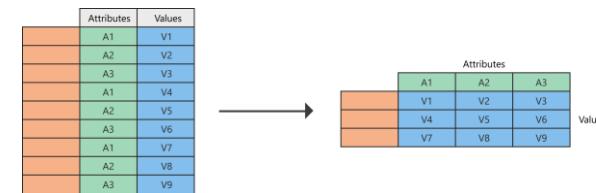
Los requisitos de la tabla son:

- La calidad de las columnas > 90%
- No deben haber columnas ni registros vacíos
- Eliminar columnas innecesarias
- Garantizar que los datos están de acuerdo a su tipo
- Reemplazar valores
- Cambiar nombre de columnas

Como plus, podeis generar un grafico con cada una de esas informaciones



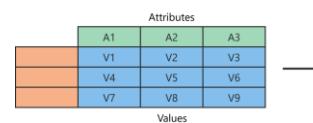
	A <sup>B</sup> <sub>C</sub> Country	Date	1 <sup>2</sup> <sub>3</sub>	Value
1	USA	6/1/2020		785
2	USA	7/1/2020		450
3	USA	8/1/2020		567
4	Canada	6/1/2020		357
5	Canada	7/1/2020		421
6	Canada	8/1/2020		254
7	Panama	6/1/2020		20
8	Panama	7/1/2020		40
9	Panama	8/1/2020		80



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

# DINAMIZACION DE COLUMNAS

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



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

	A <sup>B</sup> <sub>C</sub> Country	A <sup>B</sup> <sub>C</sub> Attribute	1 <sup>2</sup> <sub>3</sub> 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:

	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

A red arrow points from the 'Group By' button in the ribbon down to the 'Group By' dialog box.

**Group By**  
Specify the column(s) to group by and one or more outputs.  
 Basic  Advanced

description  
Table.Date  
Add grouping

New column name: SUM\_value  
Operation: Sum  
Column: Table.value  
Add aggregation

OK Cancel

# 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	-0.0
NYSE	AA	39819	12.12	0.26	0.0
NYSE	AA	39820	10.89	-1.23	-0.0
NYSE	AA	39821	11.36	0.47	0.0

Only include matching rows

OK Cancel

# EJERCICIO

- Utilizando los datos de la carpeta POBLACION generar la integración y combinación de datos para contabilizar las personas por cada año y sexo
- Aplicar preprocesamiento, eliminar columnas y registros innecesarios, utilizar dinamización de columnas, y separa columnas

123 Año	A8C Sexo	1.2 Cantidad de Personas
● Válido ● Error ● Vacío	● Válido ● Error ● Vacío	● Válido ● Error ● Vacío
100 % 0 % 0 %	100 % 0 % 0 %	100 % 0 % 0 %
Distintos: 4; únicos: 0	Distintos: 2; únicos: 0	Distintos: 8; únicos: 8
1	2000 Hombres	47592253
2	2000 Mujeres	49891159
3	2005 Hombres	50249955
4	2005 Mujeres	53013433
5	2010 Hombres	54855231
6	2010 Mujeres	57481307
7	2020 Hombres	61473390
8	2020 Mujeres	64540634

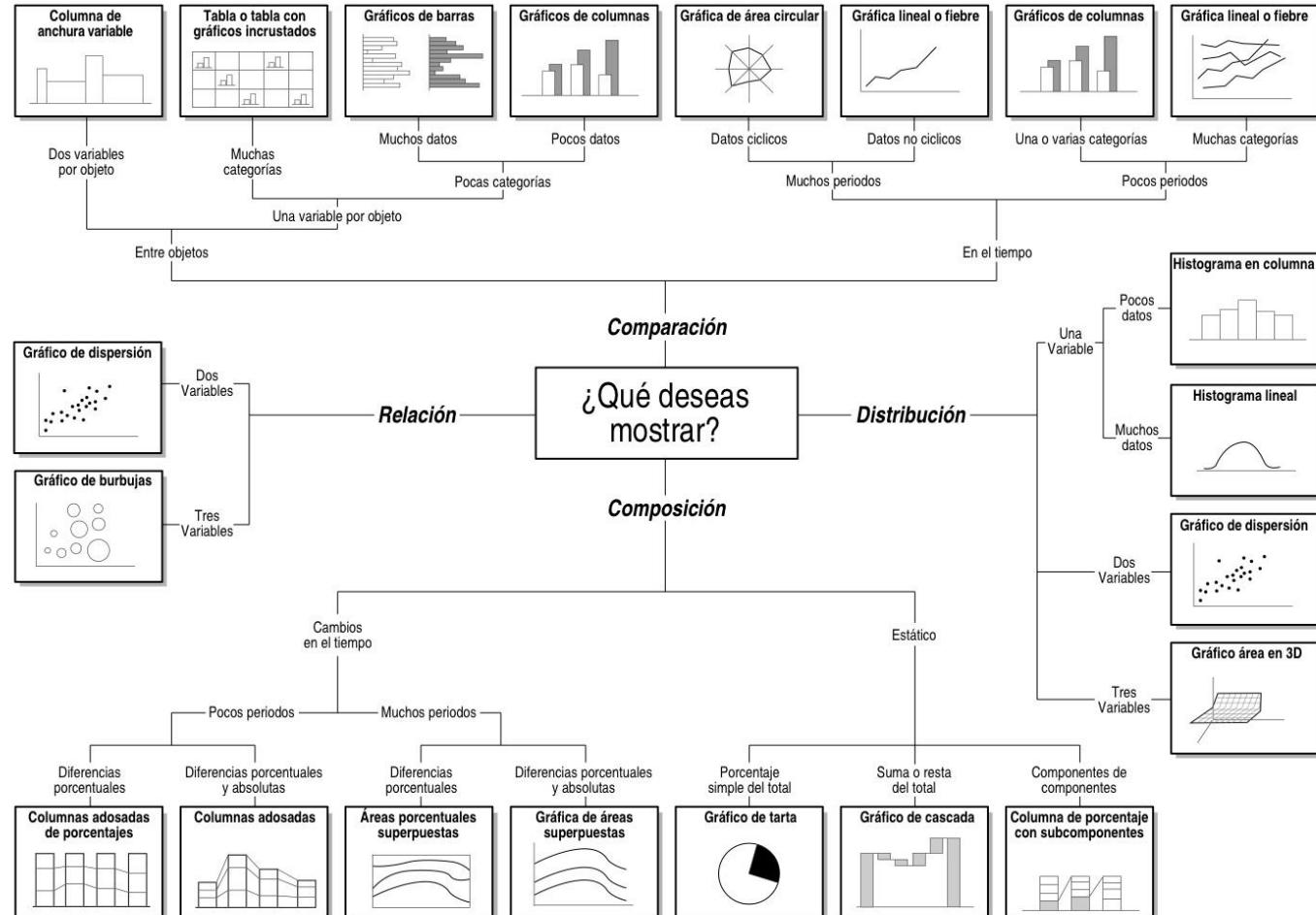


# VISUALIZACIONES

# ELECCIÓN DEL BUEN GRÁFICO



# ¿Qué gráfico elegir?



# CAMPOS Y FORMATO

The screenshot shows the Power BI interface with the 'Visualizations' and 'Fields' panes open. The 'Visualizations' pane on the left contains a grid of icons representing various chart types, with the 'Axis' icon highlighted by a red box. Below the grid are three dropdown menus: 'Month', 'Legend', and 'Manufacturer'. The 'Fields' pane on the right lists data sources and their fields, with 'SalesFact' selected. Under 'SalesFact', 'Date' and 'Geo' are expanded, showing their respective fields. Under 'Manufacturer', 'Product' is expanded, showing 'Category' and 'Count of Prod...'. A search bar is also present in the 'Fields' pane.

Visualizations

Filters

Axis

Month

Legend

Manufacturer

Fields

SalesFact

Search

Sentiment

Date

Geo

Manufacturer

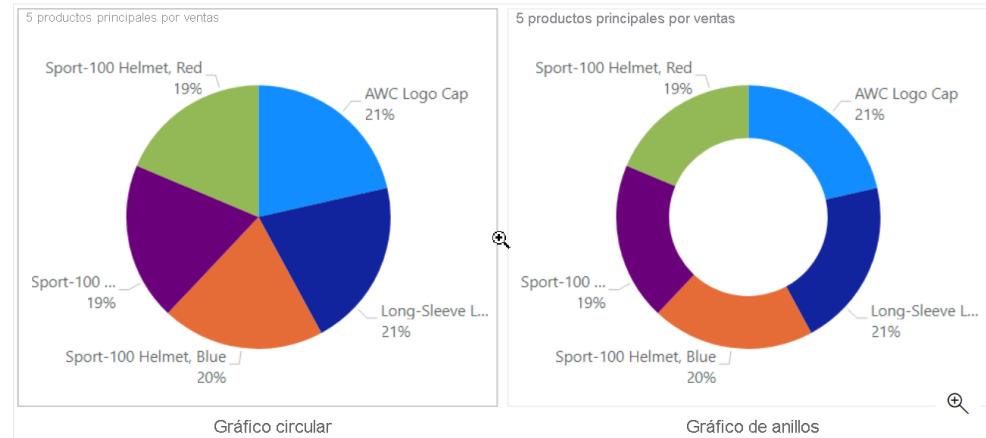
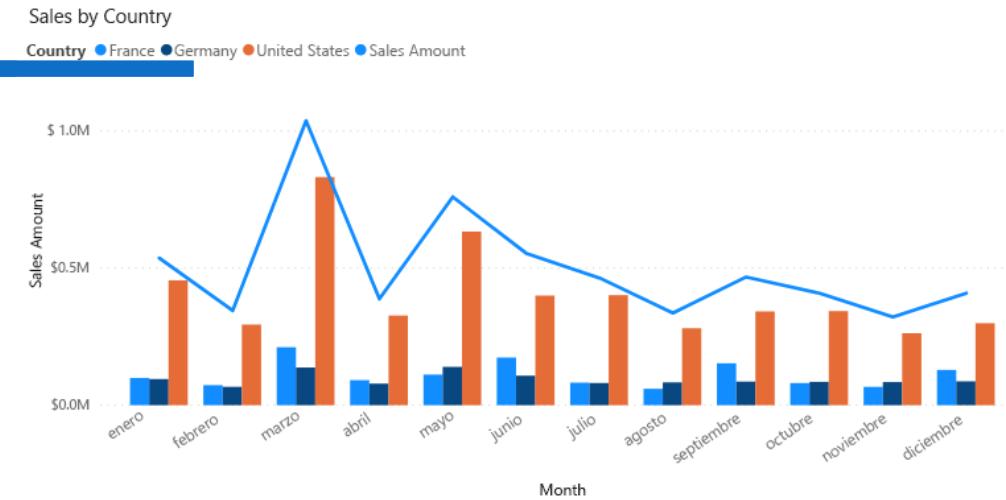
Manufacturer

MfgisVanArsdel

Product

Category

Count of Prod...



País Importe de ventas

Estados Unidos	\$7,390,464
France	\$773,445
Alemania	\$493,628
<b>Total</b>	<b>\$8,550,077</b>

Visualizaciones Campos

Filtros

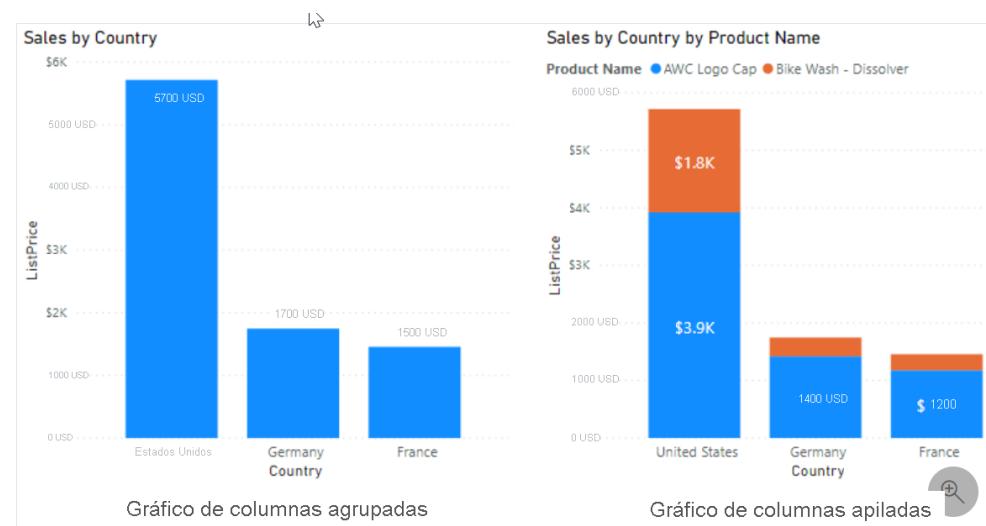
Territorio

- Ciudad
- Ciudad (grupos)
- Country
- Europe
- Group
- Norte America
- Other

Valores

País Importe de ventas

Importe de ventas Importe...



The screenshot shows two windows side-by-side. On the left is the 'Visualizations' pane from Power BI, showing various visualization icons and a search bar. A red arrow points from the 'Get more visuals' button in the '...' menu of the pane to the 'Add' button on the right. On the right is the 'AppSource' page for the 'Bullet Chart' app by Microsoft Corporation. The page includes a preview image of the bullet chart, the app title, developer information, a rating of 3.6 (36 reviews), a 'PBI Certified' badge, and tabs for 'Overview' and 'Ratings + reviews'.

Visualizations > Fields

Build visual

Get more visuals

Import a visual from a file

Remove a visual

Restore default visuals

AppSource | Apps for Power BI visuals

Apps

Bullet Chart

Microsoft Corporation

3.6 (36) PBI Certified

Overview Ratings + reviews

# PERSONALIZADO



# R & PYTHON

Date

Año

Trimestre

Month

Día

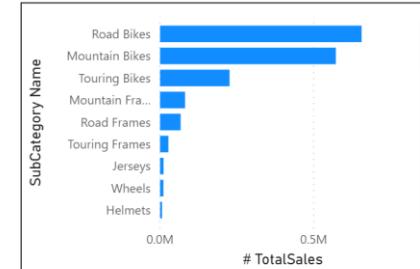
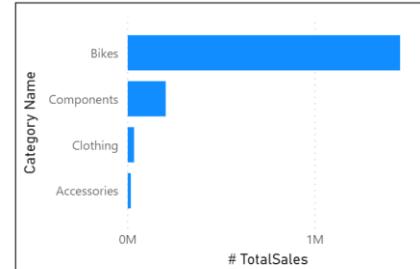
✓ ✗

✗

✗

✗

✗



# JERARQUIAS

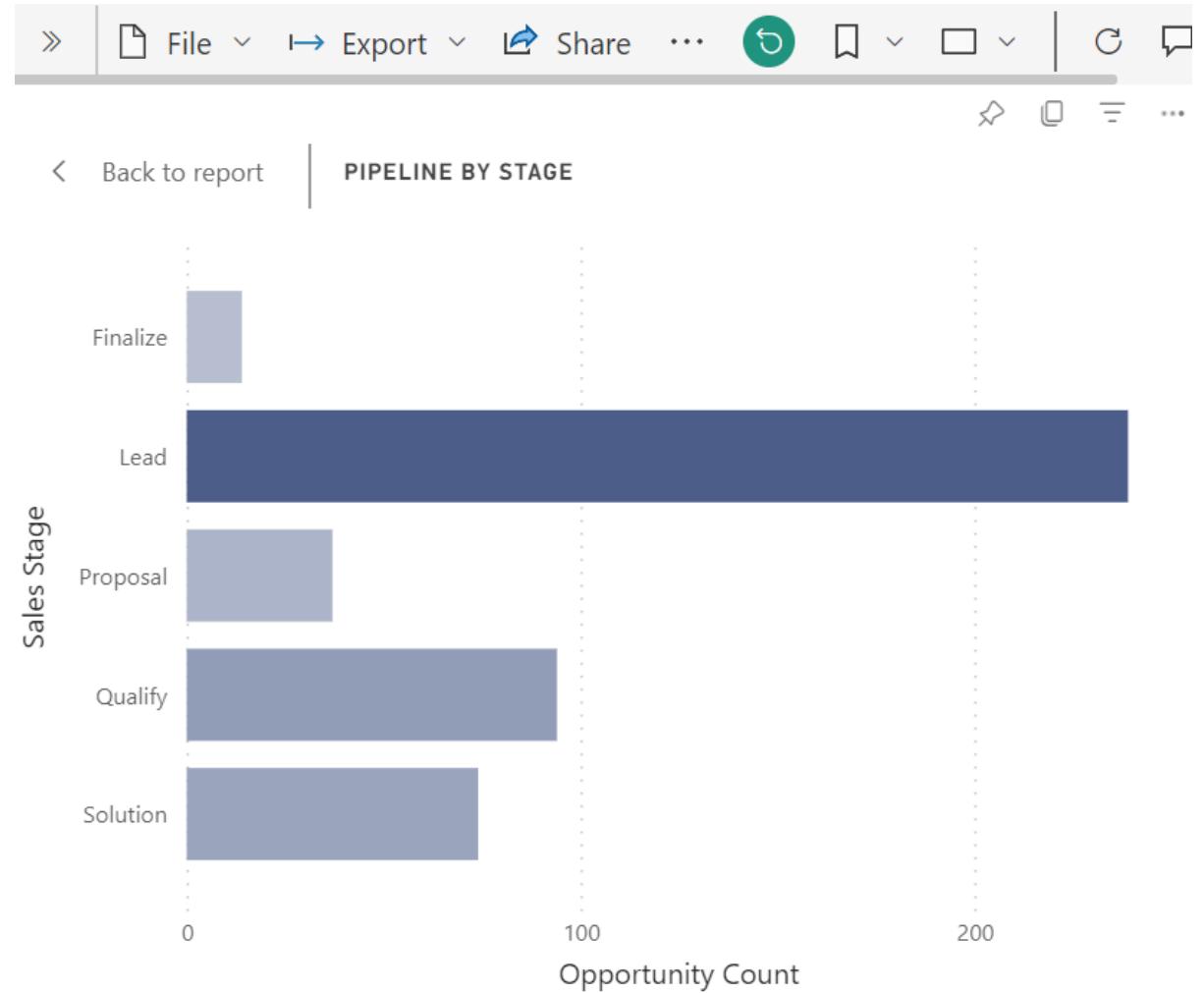


# EJERCICIO

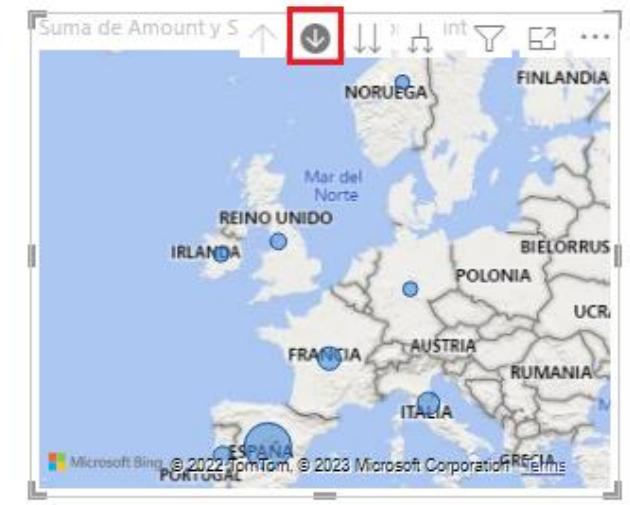
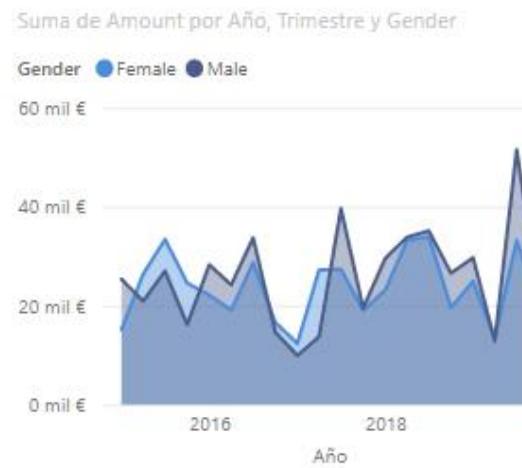
Usando la base de datos de FIFA 23, (extraída de Kaggle) en formato CSV genera las siguientes visualizaciones:

- Grafico de columnas que nos permita identificar las nacionalidades mas frecuentes de los jugadores
- Grafico de barras que permita identificar que clubes aportan mas jugadores al listado
- Grafico que identifique la cantidad de jugadores que se han unido al juego año a año, usa la columna [Joined On]

# ORDENAR GRAFICOS



# NAVEGAR EN PROFUNDIDAD

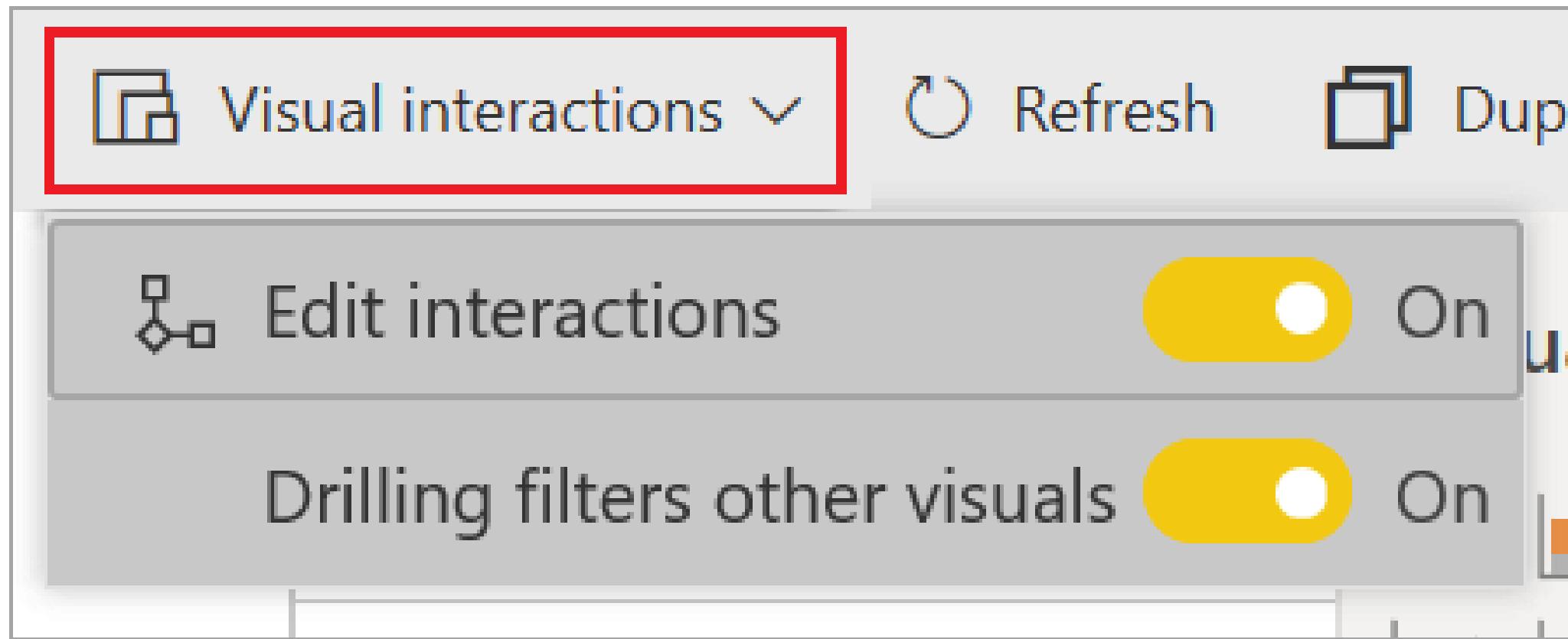


# SEGMENTACIÓN

The screenshot shows a user interface for segmenting data across four categories: Year, Category, Region, and Age.

- Año:** A horizontal navigation bar with tabs for 2016, 2017, 2018, and 2019. The 2018 tab is selected and highlighted in dark gray.
- Categoría:** A list of product categories with corresponding color-coded squares:
  - Accessories (light blue)
  - Bikes (dark blue)
  - Clothing (light green)
  - Components (light orange)
- Comarca:** A dropdown menu currently set to "Todas".
- Edad:** An age range selector with two input fields containing "33" and "103", connected by a horizontal slider.

# INTERACCIÓN ENTRE VISUALIZACIONES

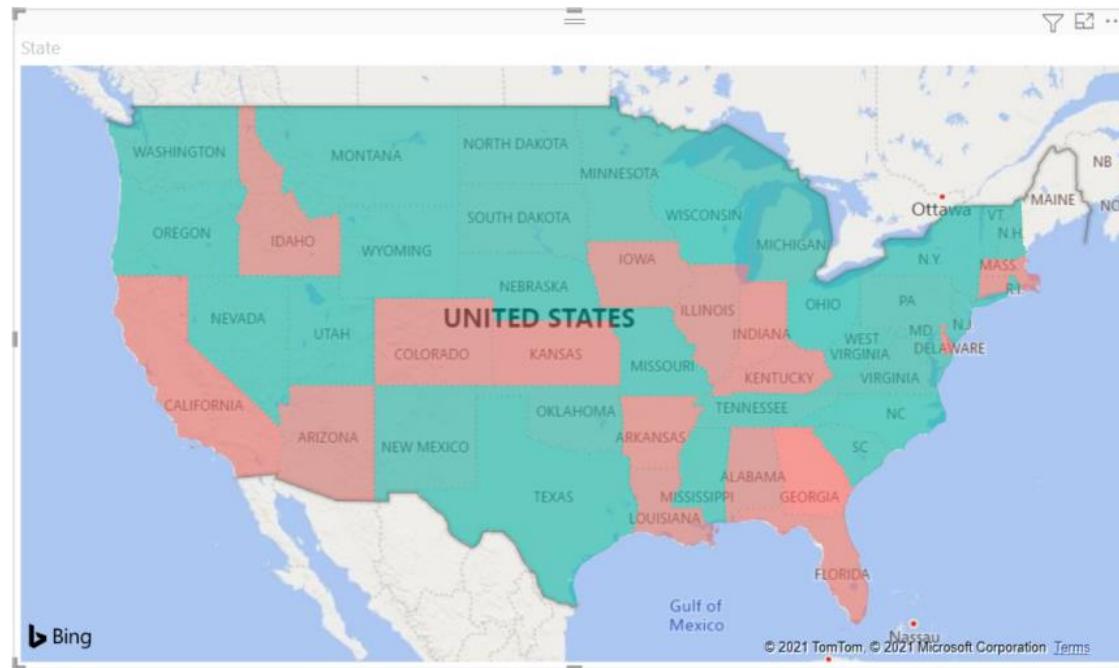


# EJERCICIO

Utilizad la BBDD de SuperStore  
Dataset.xlsx. Generar visualizaciones de  
filtro cruzado entre los distintos elementos

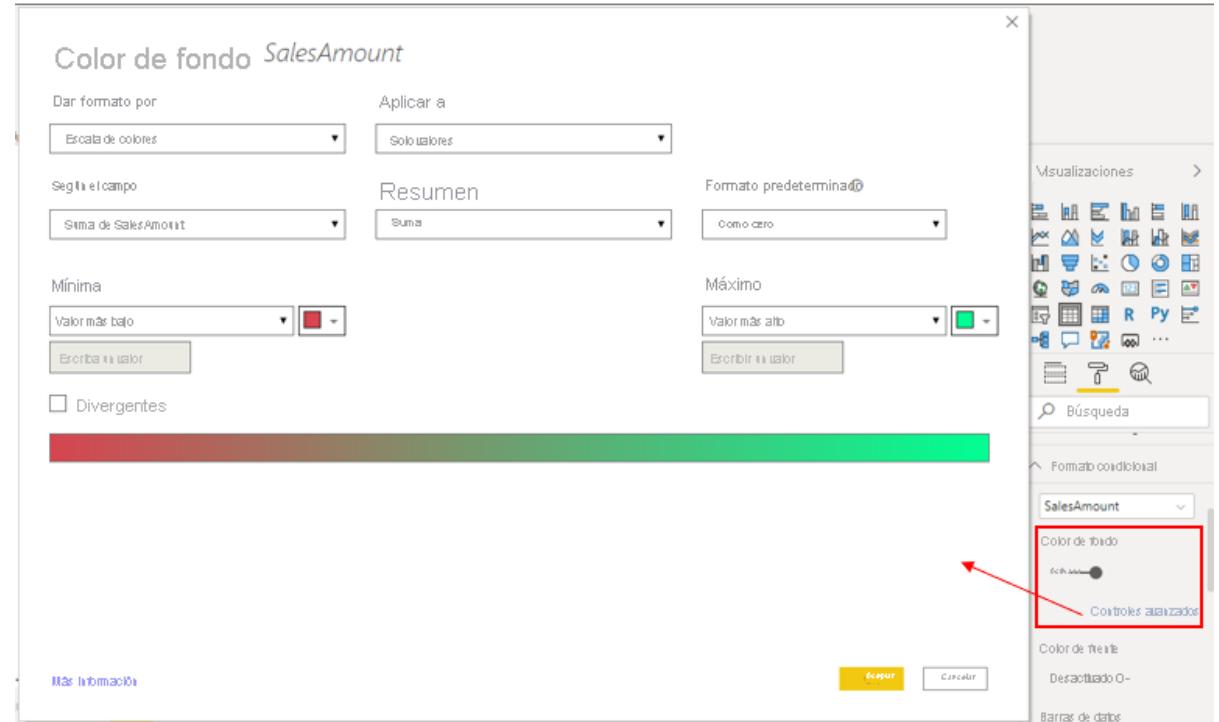
- ¿Cuál es la cantidad de ventas de “Furniture” para el estado de New York?
- ¿Cuál es el producto de mayor demanda en el segmento de “Home Office”?
- ¿En que segmento y estado se vende con mayor frecuencia el segmento de Corporate?





# USO DE MAPAS

# FORMATO CONDICIONAL



# FILTROS

The screenshot shows the Power BI 'Filters' pane on the left and the 'Fields' pane on the right.

**Filters pane:**

- Visualizaciones:** Shows various visualization icons.
- Campos:** Shows a list of fields:
  - SalesDataByRegi...** (selected)
  - DueDate**
  - Date Hier...**
  - Year** (highlighted with a red box)
  - Quarter**
  - Ous Mes**
  - Day**
  - EmployeeKey**
  - OrderDate**
  - OrderQuan...**
  - ProductKey**
  - PromotionK...**
  - Region**
  - ResellerKey**
  - SalesAmount** (selected)
  - SalesOrderL...**
  - SalesOrder...**
  - SalesTerrito...**

**Fields pane:**

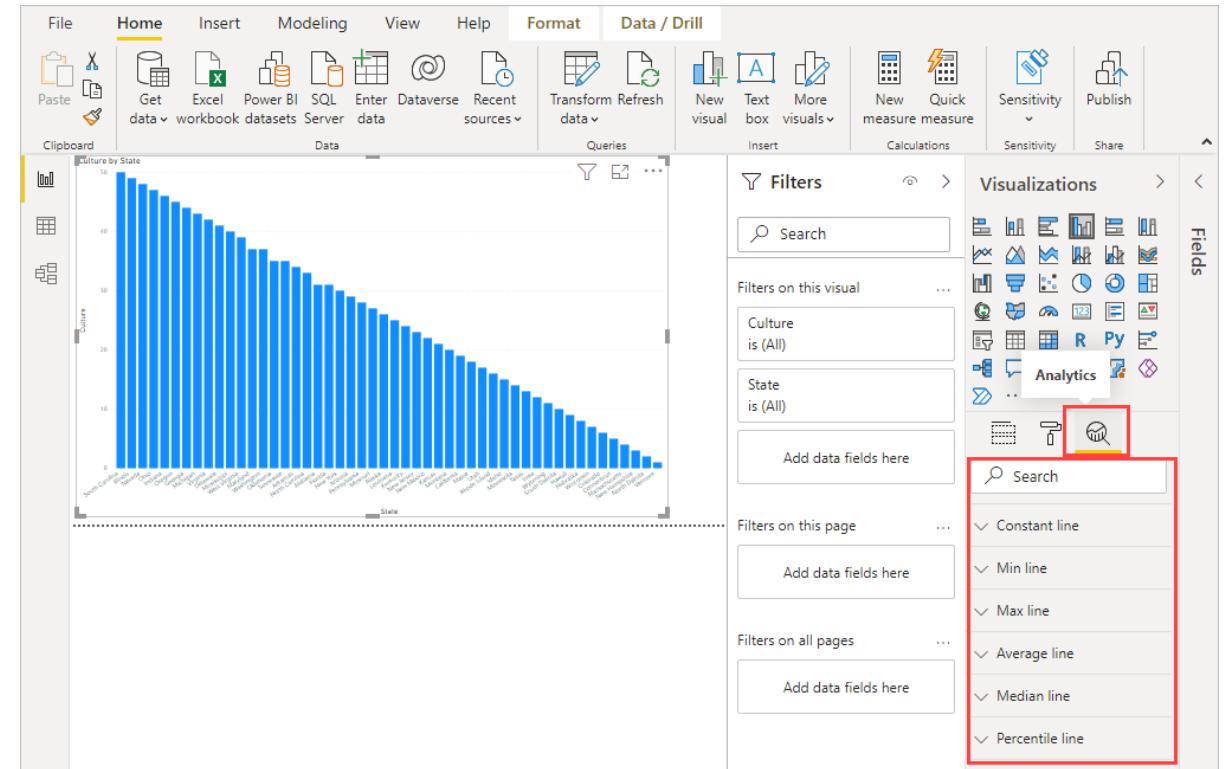
- Filtros:** Shows filters for 'Region' (es (Todo)) and 'SalesAmount' (is (All)).
- Agregar campos de datos aquí**
- Búsqueda**
- Filtros de esta página:** Shows a filter for 'DueDate - Year' (es (Todo)). A red arrow points from this section to the 'Year' field in the Fields pane.
- Eje Y:** Set to 'On'.
- Secondar...**: Desactivado O-
- Colores de datos**
- Etiquetas de datos**: Desactivado O-
- Formas**
- Área de trazado**
- Título**: Actuado



# EJERCICIO

- Utilizar el siguiente enlace para obtener información [https://en.wikipedia.org/wiki/List\\_of\\_busiest\\_airports\\_by\\_passenger\\_traffic](https://en.wikipedia.org/wiki/List_of_busiest_airports_by_passenger_traffic) acerca de los aeropuertos mas concurridos en el mundo.
- Generar un mapa de burbujas que nos ayude a identificar donde se encuentran los aeropuertos mas concurridos
- Limpiar los datos correctamente e identificar el tipo de columna para la ubicacion

# ANALÍTICA

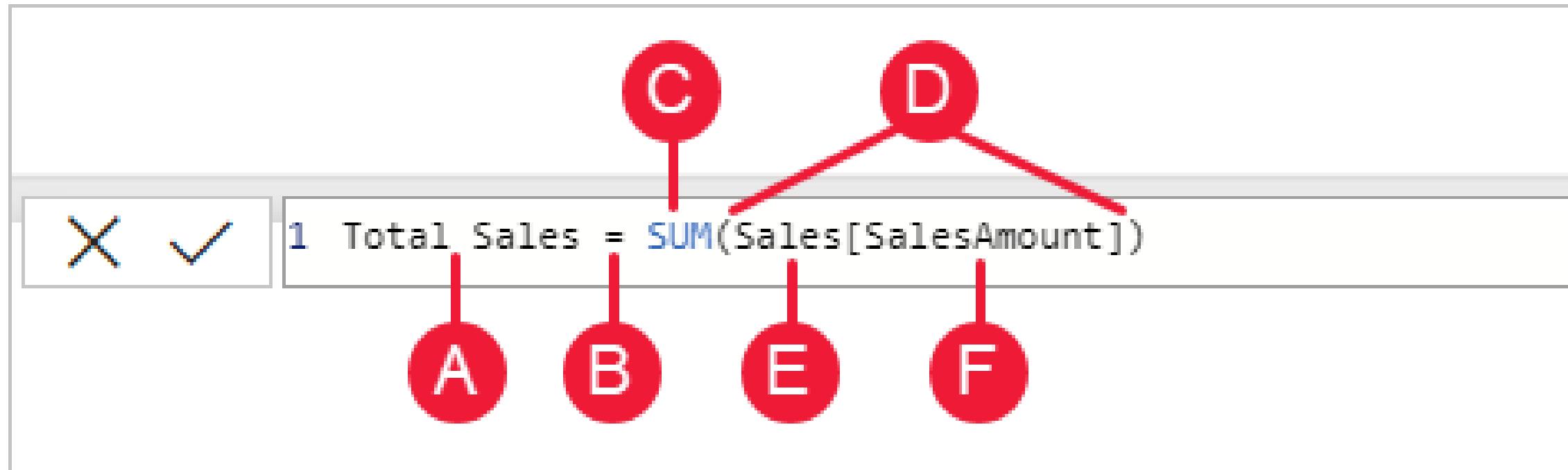


# EJERCICIO

- Usando el archivo Tipo de Cambio Dólar – Peso. Csv
- Generar un grafico de líneas que nos permita ver el promedio, valores atípicos y el pronostico a 12 meses. Tomar como base la columna cierre y fecha para hacer las visualizaciones.



# DAX



# REFERENCIA FUNCIONES

## Agregación:

SUM  
PROMEDIO  
MIN  
MAX  
DIVIDE

## Recuento:

COUNT  
COUNTA  
COUNTBLANK  
COUNTRROWS  
DISTINCTCOUNT

## Lógicas:

Y  
O  
NOT  
IF  
IFERROR

## Información:

ISBLANK  
ISNUMBER  
ISTEXT  
ISNONTEXT  
ISERROR

## Texto:

CONCATENATE  
REPLACE  
SEARCH  
UPPER  
FIXED

## Fecha:

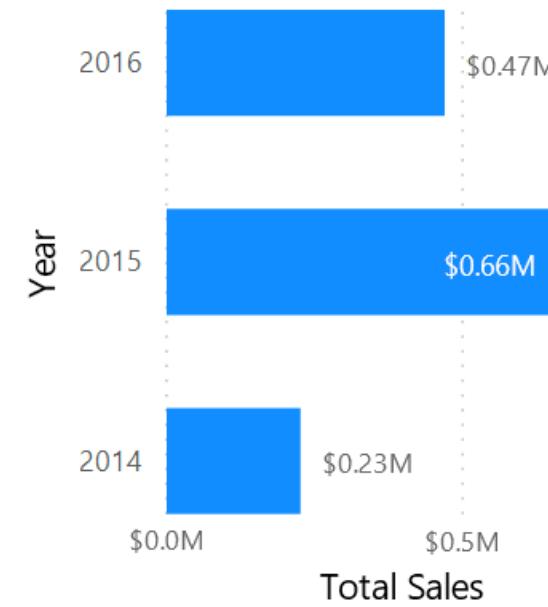
DATE  
HOUR  
NOW  
EOMONTH  
WEEKDAY

# CONTEXTO

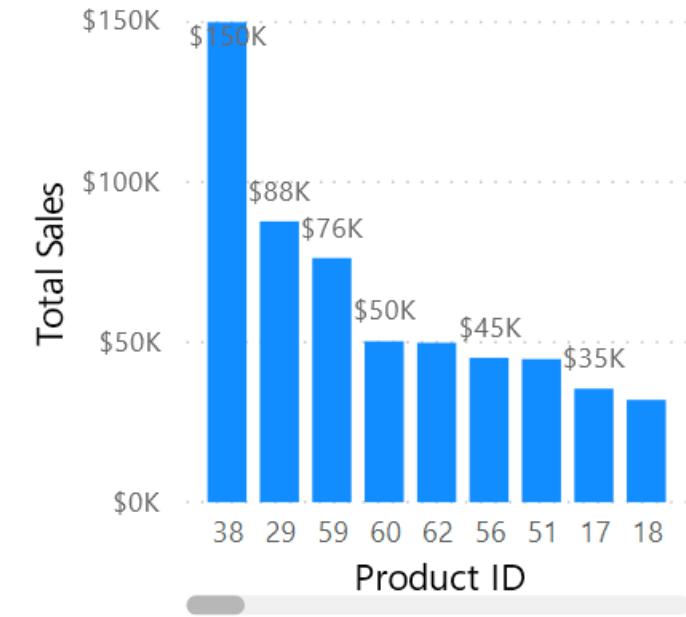
Total Sales



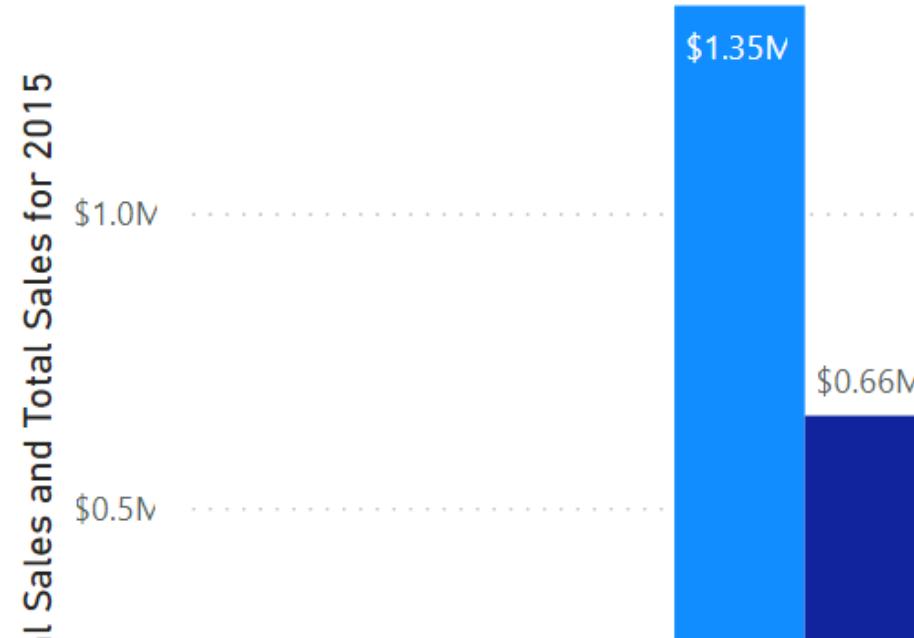
Total Sales by Year



Total Sales by Product ID



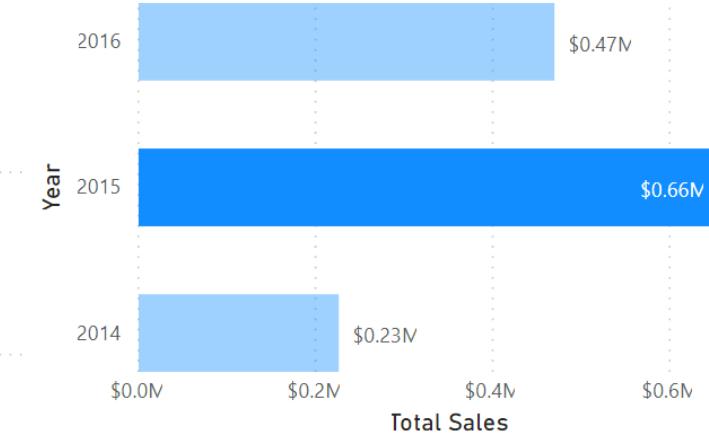
Total Sales Total Sales for 2015



and Total Sales for 2015

Total Sales for 2015

Total Sales by Year



# CALCULATE

# COLUMNAS CALCULADAS

The screenshot shows a data grid interface with a toolbar at the top featuring tabs for 'Estructura' (Structure), 'Formato' (Format), 'Propiedades' (Properties), and 'Ordenar' (Sort). A search bar labeled 'Columna =' is positioned above the grid. The grid displays six rows of data with four columns each. The columns are represented by icons: a document icon for the first column, a magnifying glass for the second, a chart for the third, and a dollar sign for the fourth. The data is as follows:

10248	11	12	\$14
10248	42	10	\$9.8
10248	72	5	\$34.8
10249	14	9	\$18.6
10249	51	40	\$42.4
10250	41	10	\$7.7

# MEDIDA RAPIDA

The screenshot shows the Power BI interface with three main panes:

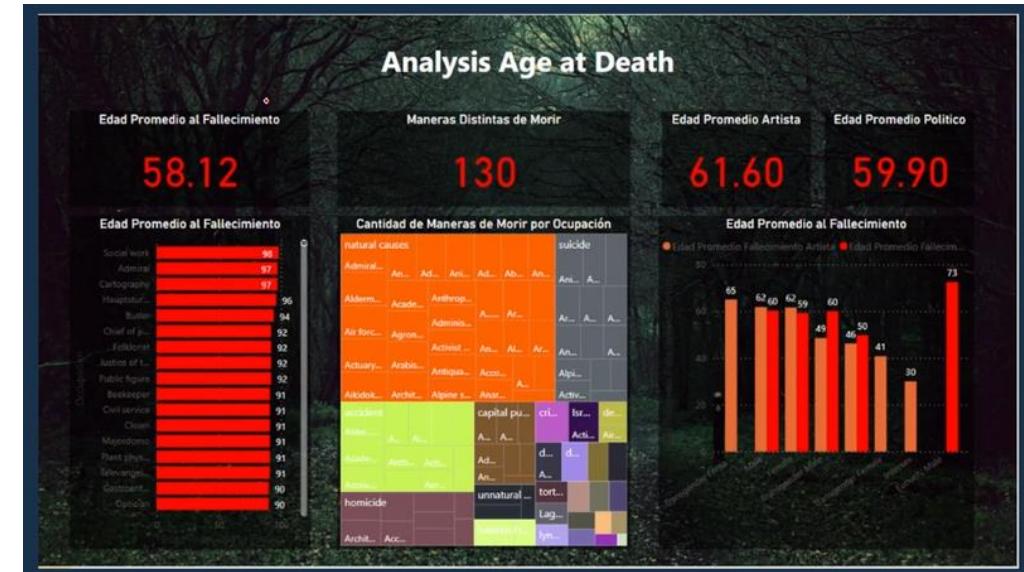
- Filtros (Filters):** Displays various filters applied to the page, such as Chain, City (Ciudad), District, Nombre, Open Month, and Store Type.
- Visualizaciones (Visualizations):** Shows a grid of visualization icons.
- Campos (Fields):** Lists fields like Ventas, District, Elemento, and Store. A context menu is open for the 'Average Sellin.' field, with the 'Nueva medida rápida' (Quick measure) option highlighted.

A pink box highlights the 'Nueva medida rápida' option in the context menu.

# EJERCICIO

Utilizando la base de datos AgeDataset-V1.csv, realizar calculo con funciones DAX y generar una visualización para identificar:

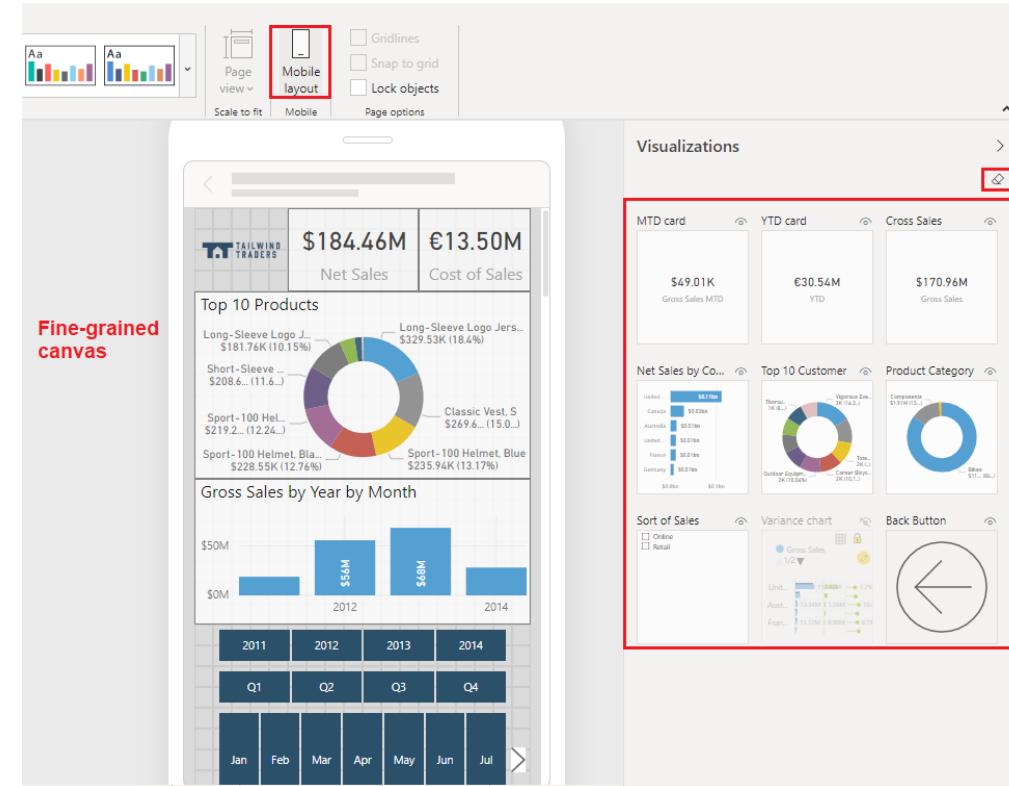
- ¿Cual es la edad promedio de la muerte de las personas y de que ocupación es más temprana?
- ¿Cuántas diferentes causas de muerte tenemos en el listado?
- ¿Qué diferencia existe en promedio entre la edad de fallecimiento de un político vs un artista?



# PUBLICACIÓN



# MÓVILES



# PANELES



# ANCLAR ICONO

Orders over Time

Count of Sales...

0 200

0 20

Anclar al panel

Seleccione un panel existente o cree uno nuevo.

¿Dónde le gustaría anclarlo?

Panel existente

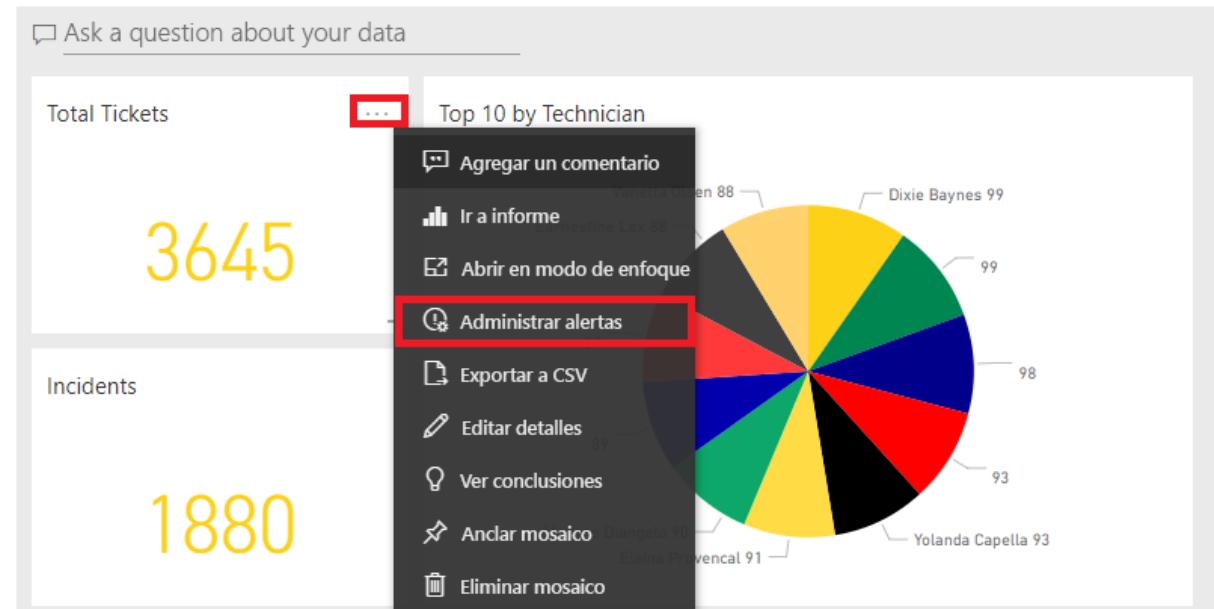
Nuevo panel

Seleccionar el panel existente

Categoría

Anclar Cancelar

# ALERTAS





Precio Promedio por Noche

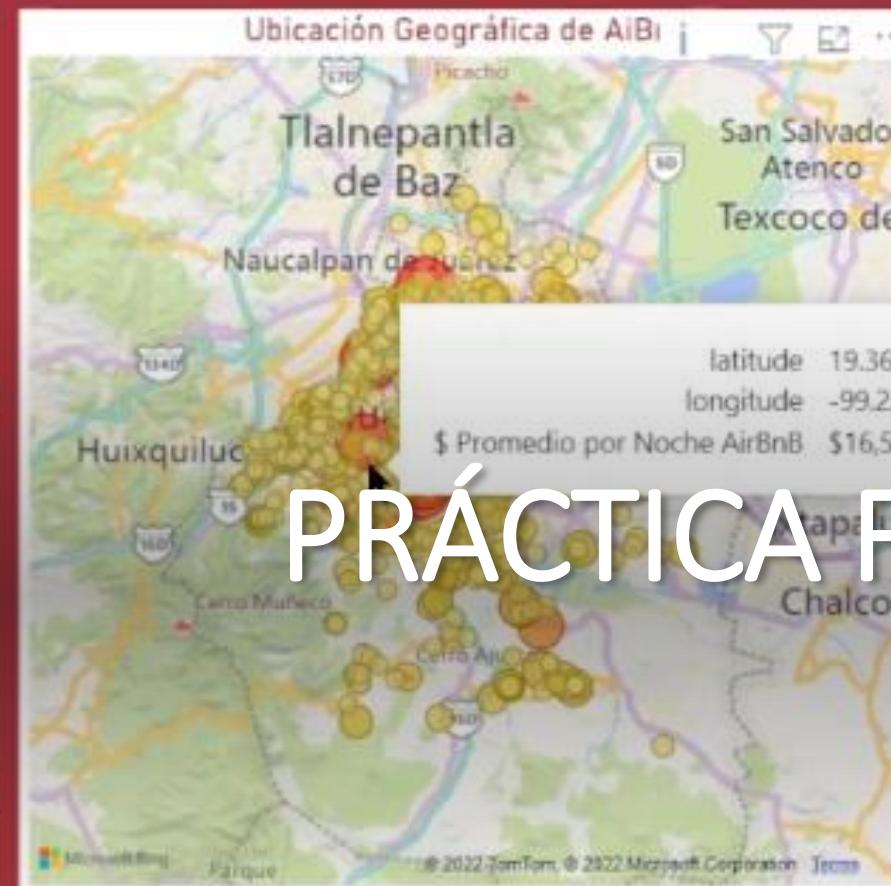
\$1,209

AirBnb en plataforma en CDMX

20,065

Host para AirBnB en CDMX

11,527



# PRÁCTICA FINAL

