



UNIVERSIDAD PRIVADA DE TACNA
FACULTAD DE INGENIERIA
Escuela Profesional de Ingeniería de Sistemas

INFORME DE LABORATORIO N°03
“CREANDO REPORTE INTERACTIVO CON POWER
BI”

CURSO:

Inteligencia de Negocios

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CREANDO REPORTE INTERACTIVO CON POWER BI

1. OBJETIVOS

- Crear reportes interactivos usando la herramienta Power BI.

2. REQUERIMIENTOS

- Conocimientos

Para el desarrollo de esta práctica se requerirá de los siguientes conocimientos básicos:

- Conocimientos básicos de administración de base de datos Microsoft SQL Server.
- Conocimientos básicos de SQL.

- Hardware

- CPU SLAT-capable feature.
- Al menos 4GB de RAM.

- Software

Así mismo se necesitan los siguientes aplicativos

- WMicrosoft SQL Server 2016 o superior.
- Base de datos AdventureWorksLT2016 o superior.
- Tener los archivos de recursos del laboratorio.
- Power BI Desktop.
- Tener una cuenta Microsoft registrada en el Portal de Power Bi.

3. CONSIDERACIONES INICIALES

- Generar una carpeta o directorio Power BI en un lugar accesible para guardar los resultados de la práctica.

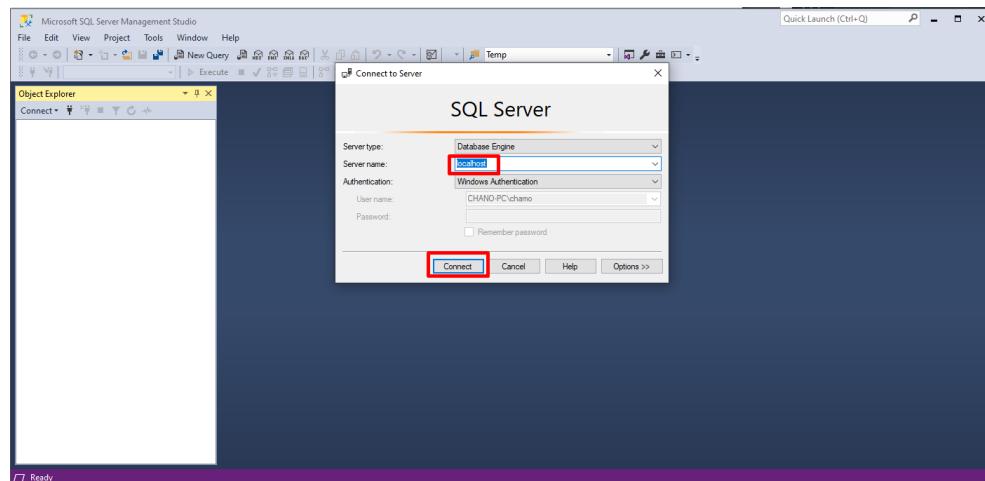


4. DESARROLLO

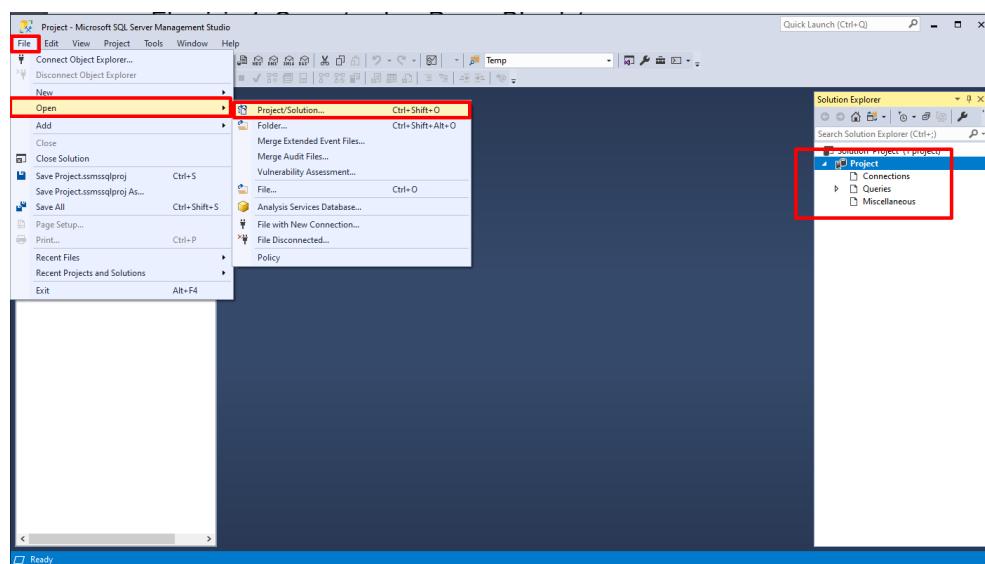
4.1. Conexión a datos de Power BI

4.1.1. Conectar a datos existentes

1. Abrir SQL Server Management Studio, y conectar a la instancia de base de datos (**local**) utilizando autenticación de Windows.



2. En el menú Archivo (**File**), en el submenu Abrir (**Open**), hacer click en **Project/Solution**, y buscar el archivo **Project.ssmssln**.



3. En el Explorador de Soluciones, expandir Consultas (**Queries**), y luego hacer doble click en el archivo **Lab Exercise 1.sql**.



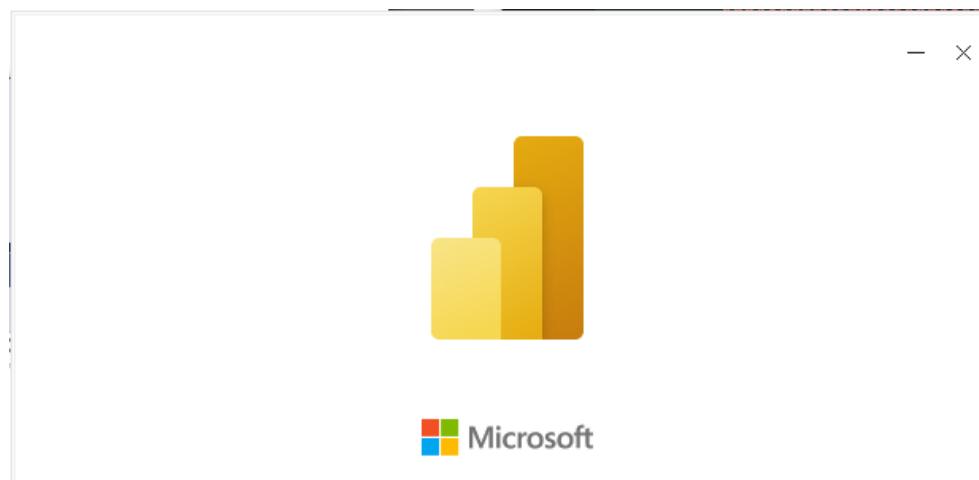
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The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, a database named 'LAB_06' is selected, which contains a folder 'Exercise 1'. Inside 'Exercise 1', there are two tasks: 'Task 1' and 'Task 2'. Task 1 contains a query script to connect to the AdventureWorksLT Azure SQL Database from Power BI and copy/paste the following query into the Query textbox:

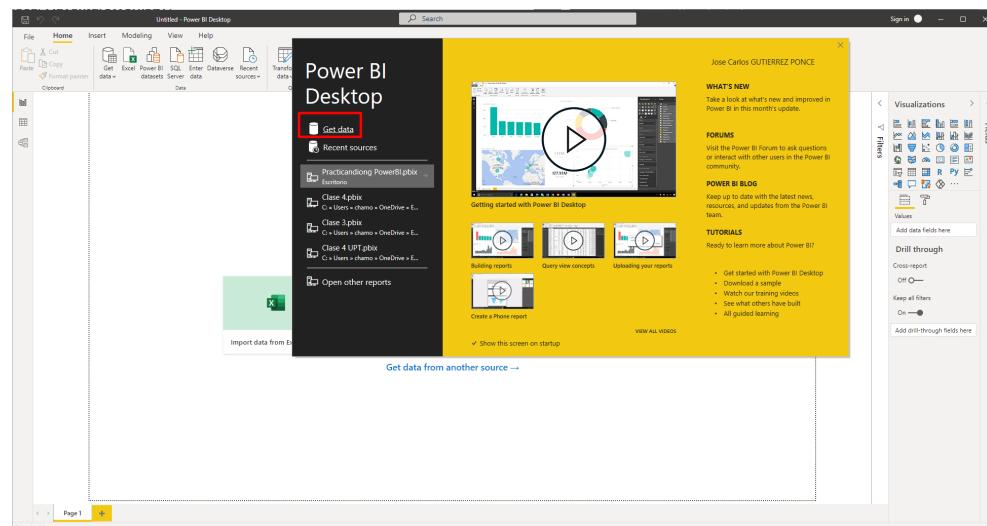
```
SELECT a.CustomerID, a.CompanyName, a.NameStyle, a.Title, a.FirstName, a.LastName,
       c.AddressLine1, c.AddressLine2, c.City, c.StateProvince, c.CountryRegion,
FROM SalesLT.Customer AS a
INNER JOIN SalesLT.CustomerAddress AS b ON a.CustomerID = b.CustomerID
INNER JOIN SalesLT.[Address] AS c ON b.AddressID = c.AddressID
WHERE b.AddressType = 'Main Office'
```

Task 2 is currently collapsed. The Solution Explorer on the right shows a project named 'Lab Exercise 1' with a file 'Lab Exercise 1.qll' selected. A red box highlights this file.

4. Abrir Power BI Desktop.



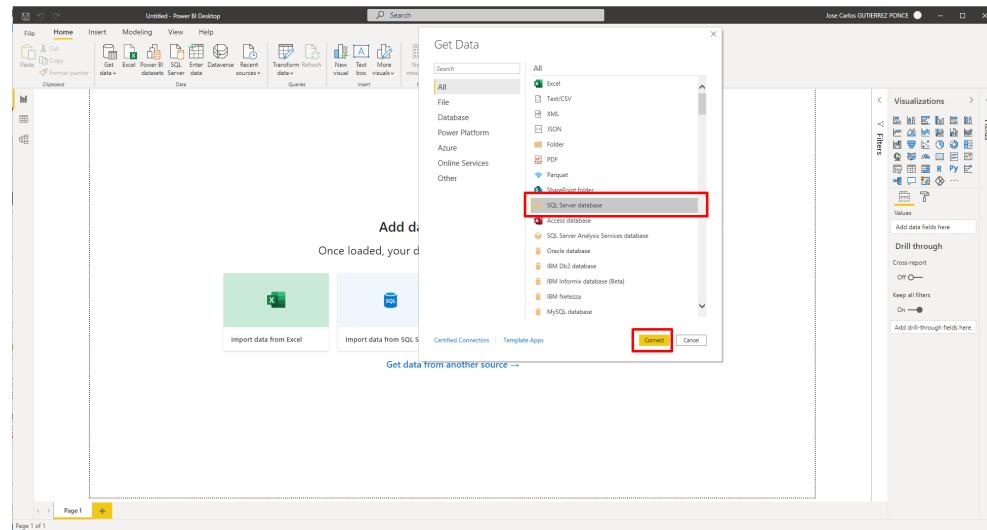
5. En la ventana Power BI Desktop, hacer click en Obtener Data (Get Data).



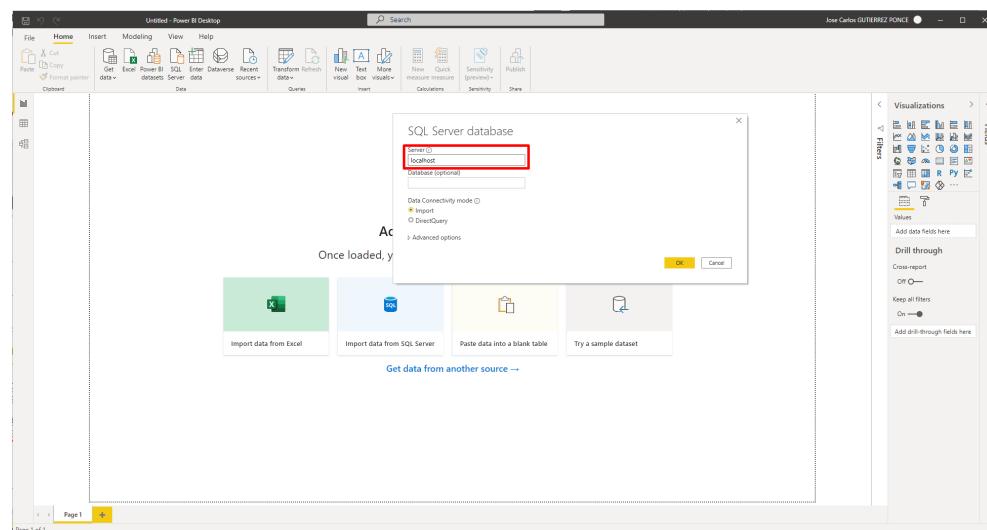


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6. En el cuadro Obtener Datos, click base de datos **Microsoft SQL**, y entonces click en Conectar.



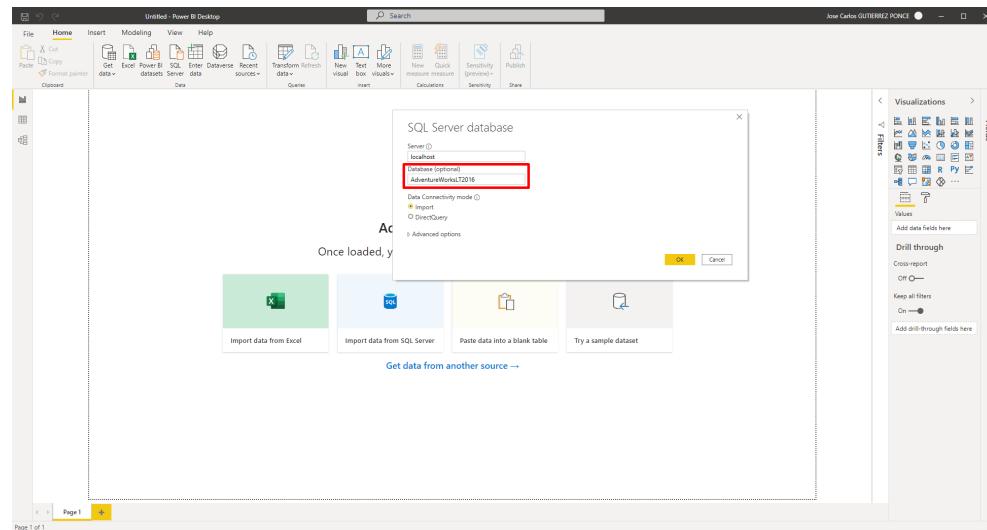
7. En la ventana base de datos Server database, En **Servidor**, escribir (**localhost**).



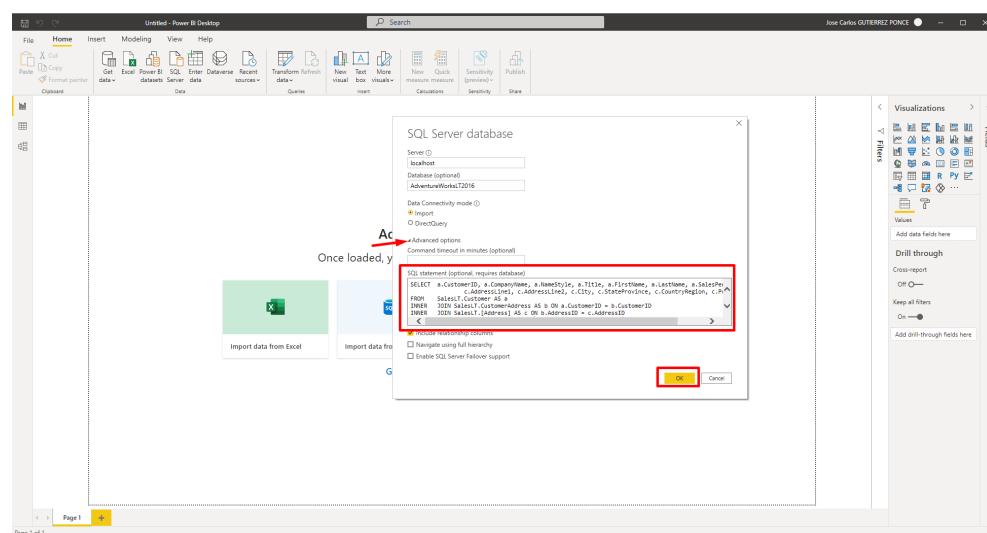
8. En **Base de Datos (opcional)**, tipar **AdventureWorksLT2016**.



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9. Expandir el cuadro **Opciones Avanzadas**. Copiar el script **Task 1** del archivo **Lab Exercise 1.sql**. y pegar la consulta en Power BI, en el cuadro sentencia SQL. Luego presionar OK.



10. En la ventana de vista prDelete click en **Load**.



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The screenshot shows the Power BI Desktop interface with the title bar "Untitled - Power BI Desktop" and the URL "localhost: AdventureWorksLT2016". The main area displays a preview of the "Customer" table from the dataset. The table includes columns such as CustomerID, CompanyName, NameStyle, Title, FirstName, LastName, SalesPerson, and AddressLine1. A message at the bottom states, "The data in the preview has been truncated due to size limits." Below the preview, there are buttons for "Import data from Excel" and "Once". On the right side, the "Fields" pane is open, showing the structure of the "Customer" table. The "Visualizations" pane is also visible.

11. En Power BI Desktop, click Obtener Datos y luego click en Mas.

The screenshot shows the Power BI Desktop interface with the "Home" ribbon tab selected. The "Get Data" button is highlighted with a red box. The main canvas area displays a placeholder for building visualizations with the text "Build visuals with your data" and "Select or drag fields from the Fields pane onto the report canvas." To the right, the "Fields" pane shows the "Customer" table structure. The "Visualizations" pane is also visible.

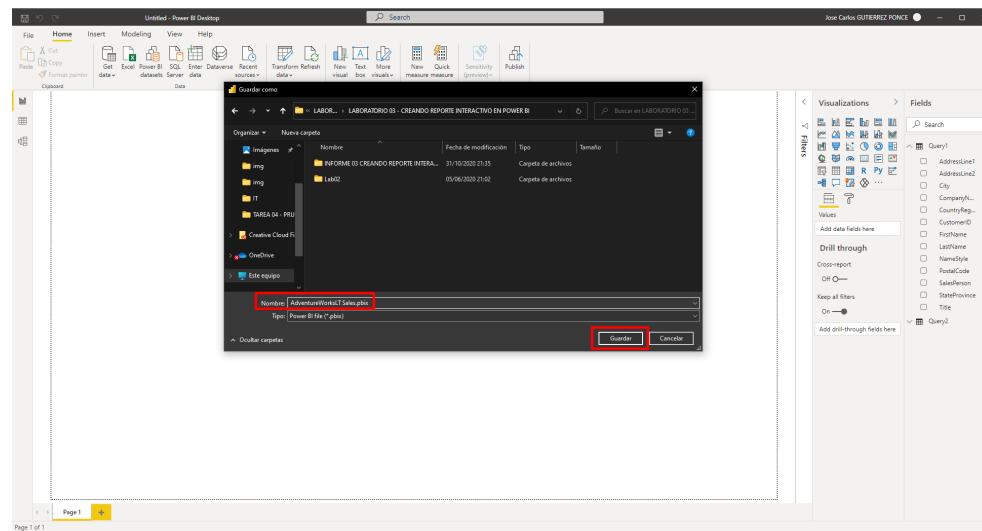
12. Repetir los pasos del 6 al 10, utilizando el script Task 2.

The screenshot shows the Power BI Desktop interface with the "Get Data" dialog box open. The "Server" dropdown is set to "localhost" and the "Database" dropdown is set to "AdventureWorksLT2016". The "Data Connectivity mode" section has "Import" selected. The "Script statement (optional, requires translation)" field contains a complex SQL query for selecting data from multiple tables (SalesOrderDetail, SalesOrder, Product, and ProductCategory) and joining them. The "OK" button is highlighted with a red box. The "Fields" pane and "Visualizations" pane are visible on the right.



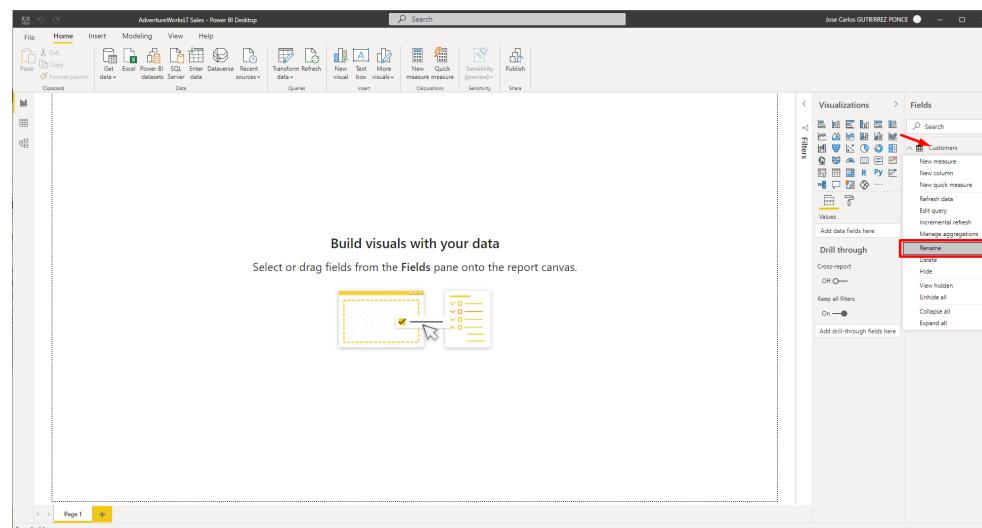
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13. De regreso en el reporte. Guardar el archivo como **AdventureWorksLT Sales.pbix**.



4.1.2. Graficar Datos

1. En el panel **Fields (Fields)**, click derecho sobre **Query1**, clic en **Rename**, tipear **Customers** y presionar Enter.



2. Haga clic con el botón derecho en **Query2**, haga clic en **Rename**, escriba **Sales** y, a continuación, presione Enter.



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The screenshot shows the Power BI Desktop interface with the 'Fields' pane open on the right. The 'Sales' node is expanded, and a red box highlights the 'Rename' option in the context menu.

3. Expanda las dos tablas para mostrar todos los Fields.

The screenshot shows the Power BI Desktop interface with the 'Fields' pane open on the right. The 'Sales' node is expanded, and a red box highlights the 'Rename' option in the context menu. Another red box highlights the 'Add drill-through fields here' link in the 'Sales' node.

4. En la barra de navegación izquierda, haga clic en Data.

The screenshot shows the Power BI Desktop interface with the 'Data' view selected in the ribbon. The 'Customers' table is displayed in the main canvas area. A red box highlights the 'Data' icon in the ribbon.



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5. En el panel **Fields (Fields)**, haga clic en la tabla Customers, si aún no está seleccionada.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorld Sales' dataset. The 'Fields' pane on the right is open, and the 'Customers' table is selected, indicated by a red box around its name. The main data grid below shows the 'Customers' table with various columns like CustomerID, CompanyName, ContactName, and AddressLine1.

6. Haga clic con el botón derecho en la columna **NameStyle** y haga clic en **Delete**.

This screenshot shows the same Power BI Desktop interface as the previous one, but the 'NameStyle' column in the 'Customers' table is highlighted with a red box. A context menu is open over this column, with the 'Delete' option selected, as indicated by another red box.

7. En el cuadro de diálogo **Delete Column**, haga clic en **Delete**.



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The screenshot shows the 'Customers' table in Power BI Desktop. A context menu is open over the 'SalesPerson' column, specifically on the row for 'Foster, Mr. Michael'. The menu path 'Delete' is highlighted with a red box. Other options visible in the menu include 'Text', 'Sort descending', 'Clear sort', 'Refresh data', 'Edit query', 'Rename', 'Unlist all', 'Copy', 'Copy table', 'Paste', 'Paste as value', 'Value measure', 'New group', and 'Delete'.

8. Haga clic con el botón derecho en la columna **SalesPerson** y haga clic en **Delete**.

This screenshot shows the same 'Customers' table after the 'SalesPerson' column has been deleted. The context menu for the 'SalesPerson' column is now empty, indicating that the column has been successfully removed from the table structure.

9. En el cuadro de diálogo **Delete Column**, haga clic en **Delete**.

A modal dialog box titled 'Delete column' is displayed. It contains the message 'Are you sure you want to delete "SalesPerson"?'. At the bottom of the dialog, there are two buttons: 'Delete' (highlighted with a red box) and 'Cancel'.



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10. Haga clic con el botón derecho en la columna **CustomerID** y luego haga clic en **Hide in Report View**.

Name	CustomerID	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
Mr.	1	Jay	Adams	Blue Ridge Mtn	Kansas City	Missouri	United States	64105		
Mr.	2	Robert	Ashley	6050 East Green Road	Tucson	Arizona	United States	85701		
Mr.	3	François	Ferrer	Edgebridge Mall	Casper	Wyoming	United States	82601		
Mr.	4	Paul	Alcorn	White Mountain Mall	Rock Springs	Wyoming	United States	82901		
Mr.	5	John	Jefferson	2851 North Main Road	Sugar Land	Texas	United States	77477		
Mr.	6	Marilyn	Aiken	First Coast Mall	Loveland	Colorado	United States	80537		
Mr.	7	Oscar	Alquinez	Rocky Mountain Pine Outlet	Las Vegas	Nevada	United States	89326		
Mr.	8	Tom	Jonathon	Brix Factory Outlet	Ukiah	California	United States	95232		
Mr.	9	Thomas	Strong	Five Points	Huntington	West Virginia	United States	26703		
Mr.	10	Joe	Austin	2340 North Freeway	Saint Ann	Missouri	United States	63074		
Mr.	11	Stephen	Ayers	2530 Europa Rd	Soungate	Michigan	United States	48195		
Mr.	12	Gary	Bosch	Eastern Bellway Center	Las Vegas	Nevada	United States	89528		
Mr.	13	James	Brown	Southern Mall	Midvale	Utah	United States	84021		
Mr.	14	Douglas	Baird	Huron Outlet Center	Holbrook	Michigan	United States	49423		
Mr.	15	Wayne	Banick	48251 120 E. Eastpoint Blvd.	Baytown	Texas	United States	77520		
Mr.	16	Robert	Barker	6789 Warren Rd	Westland	Michigan	United States	48185		
Mr.	17	Mike	Bartlett	9030 South Main Street	Arvada	Colorado	United States	80001		
Mr.	18	Randall	Bassman	2500 North Stemmons Freeway	Dallas	Texas	United States	75201		
Mr.	19	Coronel	Brandon	789 West Alameda	Westminster	Colorado	United States	80030		
Mr.	20	Richard	Breedy	4251 First Avenue	Seattle	Washington	United States	98104		
Mr.	21	John	Brock	8400 North Main	Edmonds	Washington	United States	98021		
Mr.	22	Alan	Brewer	4253 East Lee Road	Carol Stream	Illinois	United States	60188		
Mr.	23	Walter	Briar	25150 Jefferson Blvd	Clover City	California	United States	92122		
Mr.	24	Christopher	Bright	Washington Square	Portland	Oregon	United States	97205		
Mr.	25	Arthur	Bryant	1000 North Main	Glendale	Michigan	United States	48015		
Mr.	26	Jo	Brown	25000 Eight Mile Road	Detroit	Michigan	United States	48228		
Mr.	27	Robert	Brown	25000 Four Bay Blvd	Saint Louis	Missouri	United States	63130		
Mr.	28	Michael	Brunridge	25500 Paseo De Las Americas	San Diego	California	United States	92122		
Mr.	29	Henry	Campen	2507 Pacific Ave S	Tacoma	Washington	United States	98403		

11. Haga clic en el encabezado de la columna **AddressLine1**.

Name	CustomerID	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
Mr.	2042	Vader Bracque Specialist	Mr.	Jay	Adams	Blue Ridge Mtn	Kansas City	Missouri	United States	64105
Mr.	2043	Par 4 Bikes	Mr.	Robert	Ashley	6050 East Green Road	Tucson	Arizona	United States	85701
Mr.	2044	Green Bikes	Mr.	François	Ferrer	Edgebridge Mall	Casper	Wyoming	United States	82601
Mr.	2045	Major Sport Supplies	Mr.	Paul	Alcorn	White Mountain Mall	Rock Springs	Wyoming	United States	82901
Mr.	2046	Systematic Sales	Mr.	Seal	Jackson	2551 East Warner Road	Gilbert	Arizona	United States	85233
Mr.	2047	Customer Relations	Mr.	Marilyn	Aiken	First Coast Mall	Sugar Land	Texas	United States	77477
Mr.	2048	Gold Bike Accessories	Mr.	Oscar	Alquinez	Rocky Mountain Pine Outlet	Lake Charles	Louisiana	United States	70621
Mr.	2049	Third Bike Store	Mr.	Randall	Bassman	2500 North Stemmons Freeway	Dallas	Texas	United States	75201
Mr.	2050	Initial Bike Company	Mr.	Coronel	Brandon	789 West Alameda	Westminster	Colorado	United States	80030
Mr.	2051	Leisure Sports Equipment	Mr.	Richard	Breedy	4251 First Avenue	Seattle	Washington	United States	98104
Mr.	2052	Recreational Services	Mr.	John	Ammons	Fox Hills	Portola	Texas	United States	77029
Mr.	2053	The Gear Store	Mr.	James	Arthur	2540 North Freeway	Irving	Texas	United States	75062
Mr.	2054	Customer Cycle Shop	Mr.	John	Barney	701 North Plaza	Santa Ana	California	United States	92701
Mr.	2055	Work and Play Association	Mr.	Stephen	Ayers	2530 Europa Rd	Soungate	Michigan	United States	48195
Mr.	2056	Renewable Bike Store	Mr.	Cory	Bosch	Eastern Bellway Center	Las Vegas	Nevada	United States	89326
Mr.	2057	Rock-Way Art!	Mr.	James	Bailey	Soungate Mall	Mesa	Arizona	United States	85601
Mr.	2058	Customer Cycle	Mr.	Robert	Baird	Huron Outlet Center	Huntington	West Virginia	United States	26703
Mr.	2059	Grand Bicycle Stores	Mr.	Wayne	Banick	48251 120 E. Eastpoint Blvd.	Baytown	Texas	United States	77520
Mr.	2060	Kicksand Sells	Mr.	Robert	Barker	6789 Warren Rd	Westland	Michigan	United States	48185
Mr.	2061	Center Cycle Shop	Mr.	John	Bever	9550 South Blvd	Bethel	Washington	United States	98111
Mr.	2062	AdventureWorks Company	Mr.	Henry	Bly	501 South Grand	Ziebach	South Dakota	United States	57023
Mr.	2063	Field Trip Inc	Mr.	Paston	Benson	997000 Memphis Rd	Southfield	Michigan	United States	48034
Mr.	2064	Safe Cycle Shop	Mr.	Robert	Bennett	25500 Memphis Rd	Bellevue	Washington	United States	98004
Mr.	2065	Number 1 Supply	Mr.	Matthew	Bentz	30000 Memphis Rd	Eugene	Oregon	United States	97425
Mr.	2066	Customer Cycle More	Mr.	Ben	Brown	30000 Memphis Center Drive	Lake Charles	Louisiana	United States	70621
Mr.	2067	World Bike Store	Mr.	Jimmy	Burhoff	3050 Santa Margarita Parkway	Yukon	Oklahoma	United States	73279
Mr.	2068	Customer Cycle Company	Mr.	Donald	Barton	Corporate Office	El Segundo	California	United States	90245
Mr.	2069	Grewe and Oil Products Company	Mr.	Michael	Bronk	9002 Highway S	Houston	Texas	United States	77005
Mr.	2070	Raw Materials Inc	Mr.	John	Bryant	2500 North Main	Dallas	Texas	United States	75201
Mr.	2071	Initial Bike Company	Mr.	Robert	Cornelio	789 West Alameda	Westminster	Colorado	United States	80030
Mr.	2072	Leisure Sports Equipment	Mr.	Ronald	Breedy	4251 First Avenue	Seattle	Washington	United States	98104
Mr.	2073	Safe Cycle Shop	Mr.	Ted	Brenner	Brig. Br. 91925	Arlington	Washington	United States	98052
Mr.	2074	Customer Cycle	Mr.	Ben	Brown	4251 First Avenue	Costa Mesa	California	United States	92626
Mr.	2075	AdventureWorks	Mr.	Patricia	Bryant	25500 Memphis Rd	Clover City	California	United States	92122
Mr.	2076	Polymer Bikes	Mr.	Walter	Brown	25500 Memphis Blvd	Portland	Oregon	United States	97205
Mr.	2077	Parrot Express Delivery Service	Mr.	Christopher	Bright	Washington Square	Great Falls	Montana	United States	59401
Mr.	2078	Normal Tire Company	Mr.	Willie	Brooks	2500 North Village Mall	Glendale	Michigan	United States	48015
Mr.	2079	Bicycles & Bikes	Mr.	Robert	Brown	25000 Eight Mile Road	Saint Louis	Missouri	United States	63130
Mr.	2080	Rocky Mountain Bike	Mr.	Michael	Brunridge	25500 Paseo De Las Americas	San Diego	California	United States	92122
Mr.	2081	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S	Tacoma	Washington	United States	98403

12. En la cinta **Modeling**, en el grupo **Properties**, haga clic en **DataCategory: Uncategorized** y luego en **Address**.



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The screenshot shows the Power BI Desktop interface with the 'Customers' table open. The 'AddressLine1' column is highlighted with a red box. The table contains 407 rows of customer information, including names, addresses, and contact details.

Name	AddressLine1	City	StateProvince	CountryRegion	PostalCode
Valley Bikes Specialties	Mrs. Adams	Blue Ridge Mall	Tucson	United States	64106
Fun Toys and Bikes	Mr. Robert	Ashring	Arizona	United States	83101
Great Bikes	Mr. François	Eastridge Mall	Casper	Wyoming	82601
Systematic Supplies	Mr. Sean	Acme Wholesome	Rock Springs	Wyoming	82901
Syntomatic Sales	Mr. Marvin	First City Postcode	Gilbert	Arizona	85255
Mountain To Sea	Mr. Marvin	Kensington Plaza	Sage Land	Texas	77478
Bold Bike Accessories	Mr. Oscar	Albertville Rock City	Loveland	Colorado	80537
Another Bike Company	Mr. Thomas	Jackson Ave #4	Ukiah	California	95428
The Gear Store	Mr. John	Armstrong	Clover City	United States	90232
Immerse Manufacturing Company	Mr. Arthur	2345 N Latitude	Houston	Texas	77003
World Bike Discount Store	Mr. Steven	70 N.W. Longitude	Saint Ann	Missouri	63074
Recreational Bike Association	Mr. Stephen	Ashton	St. Louis	Missouri	63115
Road-Way Mart	Mr. Cory	Booth Eastern	Las Vegas	Nevada	89106
Recreational Bike Store	Mr. James	Bailey Southington	Mesa	Arizona	85205
Small Cycle Store	Mr. Douglas	Baldwin Horizon Center	Las Vegas	Nevada	89106
Grand Bikes Stores	Mr. Michael	Byrne 9999 Highway & South	Mesa	Arizona	85201
Third Bike Store	Mr. Randolph	Boschern 250 North Stemmons Freeway	Denton	Texas	75201
Lightning Bikes	Mr. Christopher	Brownell	Wixom	Michigan	48350
Lens Sport Equipment	Mr. Richard	Breedy 425 First Avenue	Seattle	Washington	98104
Raw Materials Inc	Mr. Ted	Brenner	Redmond	Washington	98052
Lot of Bikes Storehouse	Mr. Alan	Brewer 2515 East Lles Road	Card Stream	Illinois	60188
Powerful Bikes	Mr. Walter	Brownell 2515 Jeffers Blvd	Lawrence	Illinois	60432
Posture Perfect Delivery Service	Mr. Christopher	Bright Washington Square	Aurora	Oregon	97105
Nonstop Tire Company	Mr. Willie	Brooks Holiday Village Mall	Green Falls	Montana	59401
Metro Bike Works	Mr. Jo	Brown 250000 Eight Mile Road	Detroit	Michigan	48226
Bike It	Mr. Brian	Brownell 250000 Eight Mile Road	Seattle	Washington	98105
Metro Bikes Products Ltd	Mr. Michael	Bronidge 2555 Pacific Dr Americas	San Diego	California	92102
Metro Cycle Shop	Mr. Henry	Campen 2507 Pacific Ave S	Tacoma	Washington	98405

Table: Customers (407 rows) Column: AddressLine1 (402 distinct values)

13. Haga clic en el encabezado de la columna **City**.

The screenshot shows the Power BI Desktop interface with the 'Customers' table open. The 'City' column is highlighted with a red box. The table contains 407 rows of customer information, including names, addresses, and contact details.

Name	AddressLine1	City	StateProvince	CountryRegion	PostalCode
Valley Bikes Specialties	Mrs. Adams	Blue Ridge Mall	Tucson	United States	64106
Fun Toys and Bikes	Mr. Robert	Ashring	Arizona	United States	83101
Great Bikes	Mr. François	Eastridge Mall	Casper	Wyoming	82601
Systematic Supplies	Mr. Sean	Acme Wholesome	Rock Springs	Wyoming	82901
Syntomatic Sales	Mr. Marvin	First City Postcode	Gilbert	Arizona	85255
Mountain To Sea	Mr. Marvin	Kensington Plaza	Sage Land	Texas	77478
Bold Bike Accessories	Mr. Oscar	Albertville Rock City	Loveland	Colorado	80537
Another Bike Company	Mr. Thomas	Jackson Ave #4	Ukiah	California	95428
The Gear Store	Mr. John	Armstrong	Clover City	United States	90232
Immerse Manufacturing Company	Mr. Arthur	2345 N Latitude	Houston	Texas	77003
World Bike Discount Store	Mr. Steven	70 N.W. Longitude	Saint Ann	Missouri	63074
Recreational Bike Association	Mr. Stephen	Ashton	St. Louis	Missouri	63115
Road-Way Mart	Mr. Cory	Booth Eastern	Las Vegas	Nevada	89106
Recreational Bike Store	Mr. James	Bailey Southington	Mesa	Arizona	85205
Small Cycle Store	Mr. Douglas	Baldwin Horizon Center	Horizon	Michigan	48423
Grand Bikes Stores	Mr. Wayne	Banick 4250 1/2 E. Barbizon Blvd	Brentwood	Texas	77520
Third Bike Store	Mr. Michael	Barker 250000 Eight Mile Road	Midway	Michigan	48265
Lightning Bikes	Mr. Randall	Bassman 95300 21st Southeast	Bonney	Washington	98011
Lens Sport Equipment	Mr. Christopher	Brownell	Wixom	Michigan	48350
Raw Materials Inc	Mr. Ted	Brenner	Seattle	Washington	98104
Lot of Bikes Storehouse	Mr. Alan	Brewer 4255 First Ave	Redmond	Washington	98052
Powerful Bikes	Mr. Walter	Brownell 2515 Jeffers Blvd	Card Stream	Illinois	60188
Posture Perfect Delivery Service	Mr. Christopher	Bright Washington Square	Lawrence	Illinois	60432
Nonstop Tire Company	Mr. Willie	Brooks Holiday Village Mall	Green Falls	Montana	59401
Metro Bike Works	Mr. Jo	Brown 250000 Eight Mile Road	Detroit	Michigan	48226
Bike It	Mr. Brian	Brownell 250000 Eight Mile Road	Seattle	Washington	98105
Metro Bikes Products Ltd	Mr. Michael	Bronidge 2555 Pacific Dr Americas	San Diego	California	92102
Metro Cycle Shop	Mr. Henry	Campen 2507 Pacific Ave S	Tacoma	Washington	98405

14. En la cinta de **Modeling**, en el grupo **Properties**, haga clic en **DataCategory: Uncategorized** y, a continuación, haga clic en **City**.



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CustomerID	CompanyName	Title	FirstName	LastName	Address	AddressLine2	City	StateProvince	CountryRegion	PostalCode
25492	Valley Breeze Specialties	Mr.	Jay	Adams	8801 Blue Ridge Mtn		Kennebunk	Missouri	United States	64106
25494	Fun Toys and Blues	Mr.	Robert	Ashering	6500 East Green Road		Tucson	Arizona	United States	85701
25497	Great Blues	Mr.	Freddie	Brennan	2510 1st Street		Casper	Wyoming	United States	82601
25502	Major Sport Suppliers	Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
25508	Symmetric Sales	Mr.	Sean	Jacobson	2551 E. 2nd St.		Gilbert	Arizona	United States	85233
25508	Mountain Toy Store	Mr.	Marvin	Allen	First City Poste code		Sugar Land	Texas	United States	77478
25511	Bold Bike Accessories	Mr.	Victor	Alberto	9001 Rockwell Rd.		Loveland	Colorado	United States	80537
25512	Brightwicks Company	Mr.	Toni	Johnson	Box 7474		Las Vegas	Nevada	United States	89106
25512	Reuse Services	Mr.	Thomas	Armstrong	Fox Hill		Clover City	California	United States	90232
25513	The Gear Store	Mr.	John	Arthur	2345 N. Latitude		Houston	Texas	United States	77003
25514	Immerse Manufacturing Company	Mr.	Stephen	Austin	1910 W. Longitude		Edmonton	Alberta	Canada	T6B 2V4
25519	Work and Play Association	Mr.	Stephen	Adams	2501 1st Street		Southington	Michigan	United States	44323
25521	Renovate Bike Store	Mr.	Cory	Booth	Easter		Las Vegas	Nevada	United States	89106
25522	Road-Way Mart	Mr.	James	Bailey	Image URL		Missoula	Montana	United States	59801
25523	Small Cycle Store	Mr.	Douglas	Baldwin	Horse		Portland	Michigan	United States	49423
25523	World Bike Discount Store	Mr.	Howard	Albert	4821 1st Street		Bethel	Texas	United States	77020
25526	Kickstand Sellers	Mr.	Robert	Barker	6789 Warren Road		Wentzville	Michigan	United States	48185
25545	Center Cycle Shop	Mr.	John	Bauer	9930 12th Street South		Bethel	Washington	United States	98011
25550	Another Bicycle Company	Mr.	Stanley	Allen	567 SW Multnomah Blvd		Milwaukee	Oregon	United States	97222
25550	Immerse Manufacturing	Mr.	Robert	Benson	2510 1st Street		Southfield	Michigan	United States	48034
25559	Safe Cycle Shop	Mr.	Robert	Bennett	2513 14th Ave NE		Bellevue	Washington	United States	98004
25560	Number 1 Supply	Mr.	Martina	Bennet	Escondido		Escondido	California	United States	92025
25562	Golf and Cycle Store	Mr.	Stewart	Brown	5500 Grosvenor Center Drive		La Mesa	California	United States	91941
25563	World Bike Discount Store	Mr.	Donald	Buchanan	3001 Santa Margarita Parkway		Mountain View	California	United States	94039
25568	Coastline Bike Company	Mr.	Donald	Corporate Office	B. Segundo		Carlsbad	California	United States	92045
25570	Grease and Oil Products Company	Mr.	Michael	Byrne	9920 Highways & South		Houston	Texas	United States	77003
25574	Third Bike Store	Mr.	Randall	Bosserman	2510 North Stemmons Freeway		Dallas	Texas	United States	75201
25579	Immerse Manufacturing	Mr.	John	Brown	2510 1st Street		Westerville	Ohio	United States	43080
25580	Lenses Square Equipment	Mr.	Richard	Breedy	4251 First Avenue		Seattle	Washington	United States	98104
25582	Raw Materials Inc	Mr.	Ted	Bremer	Box 891928		Redmond	Washington	United States	98052
25583	Lot of Bikes Storehouse	Mr.	Alan	Brewer	4253 East 1st Street		Carol Stream	Illinois	United States	60188
25584	Future Bikes	Mr.	Walter	Brown	2510 1st Street		Costa Mesa	California	United States	92626
25585	Road Express Delivery Service	Mr.	Christopher	Bright	Washington Square		Portland	Oregon	United States	97205
25588	Nordest Bike Company	Mr.	Willie	Brooks	Holiday Village Mall		Great Falls	Montana	United States	59401
25590	Metro Bike Works	Mr.	Jo	Brown	25000 Eight Mile Road		Denver	Michigan	United States	48226
25591	World Bike Discount Store	Mr.	Mark	Brown	2501 1st Street		San Antonio	Texas	United States	78220
25598	Mechanics Products Ltd.	Mr.	Michael	Bronkhorst	25550 Puerto De Los Americas		San Diego	California	United States	92122
25622	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S		Tacoma	Washington	United States	98405

15. Haga clic en el encabezado de la columna **StateProvince**.

CustomerID	CompanyName	Title	FirstName	LastName	Address	AddressLine2	City	StateProvince	CountryRegion	PostalCode
25492	Valley Breeze Specialties	Mr.	Jay	Adams	8801 Blue Ridge Mtn		Kennebunk	Missouri	United States	64106
25494	Fun Toys and Blues	Mr.	Robert	Ashering	6500 East Green Road		Tucson	Arizona	United States	85701
25497	Great Blues	Mr.	Freddie	Brennan	2510 1st Street		Casper	Wyoming	United States	82601
25502	Major Sport Suppliers	Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
25508	Symmetric Sales	Mr.	Sean	Jacobson	2551 E. 2nd St.		Gilbert	Arizona	United States	85233
25508	Mountain Toy Store	Mr.	Marvin	Allen	First City Poste code		Sugar Land	Texas	United States	77478
25511	Bold Bike Accessories	Mr.	Victor	Alberto	9001 Rockwell Rd.		Loveland	Colorado	United States	80537
25512	Brightwicks Company	Mr.	Toni	Johnson	Box 7474		Las Vegas	Nevada	United States	89106
25512	Reuse Services	Mr.	Thomas	Armstrong	Fox Hill		Clover City	California	United States	90232
25513	The Gear Store	Mr.	John	Arthur	2345 N. Latitude		Houston	Texas	United States	77003
25514	Immerse Manufacturing Company	Mr.	Stephen	Austin	1910 W. Longitude		Edmonton	Alberta	Canada	T6B 2V4
25519	Work and Play Association	Mr.	Stephen	Ayers	2530 Europa Rd.		Southfield	Michigan	United States	48374
25521	Renovate Bike Store	Mr.	Stephen	Bauer	2501 1st Street		Carol Stream	Illinois	United States	60120
25522	Road-Way Mart	Mr.	James	Bailey	Southern Mall		Missoula	Montana	United States	59801
25523	Small Cycle Store	Mr.	Douglas	Baldwin	Horton Outlet Center		Portland	Michigan	United States	49423
25523	Grand Bicycle Stores	Mr.	Wayne	Barkay	48235 1/2 E. Enterprise Blvd		Brentwood	Texas	United States	77120
25524	Grease and Oil Products Company	Mr.	Mark	Bartlett	1800 1st Street		Wichita	Kansas	United States	67269
25541	Center Cycle Shop	Mr.	John	Bever	9930 12th Street South		Bethel	Washington	United States	98011
25550	Another Bicycle Company	Mr.	Stanley	Allen	567 SW Multnomah Blvd		Milwaukee	Oregon	United States	97222
25554	Field Trip Inc	Mr.	Preston	Benson	99200 Niagara Rd.		Southfield	Michigan	United States	48034
25559	Safe Cycle Shop	Mr.	Robert	Bennett	2501 1st Street		Bethel	Michigan	United States	49423
25560	Number 1 Supply	Mr.	Martina	Bennet	Escondido		Escondido	California	United States	92025
25562	Golf and Cycle Store	Mr.	Stewart	Brown	5500 Grosvenor Center Drive		La Mesa	California	United States	91941
25563	World Bike Discount Store	Mr.	Donald	Corporate Office	3001 Santa Margarita Parkway		Tribeca Canyon	California	United States	92679
25568	Coastline Bike Company	Mr.	Donald	Corporate Office	Box 891928		El Segundo	California	United States	90245
25570	Grease and Oil Products Company	Mr.	Michael	Byrne	9920 Highways & South		Holmes	Texas	United States	77003
25574	Third Bike Store	Mr.	Randall	Bosserman	2510 North Stemmons Freeway		Dallas	Texas	United States	75201
25579	Immerse Manufacturing	Mr.	Cornelia	Brandon	789 West Alameda		Westerville	Ohio	United States	43090
25580	Mechanics Products Ltd.	Mr.	Richard	Breedy	4251 First Street		Seattle	Washington	United States	98104
25582	Raw Materials Inc	Mr.	Ted	Bremer	Box 891928		Arlington	Washington	United States	98024
25583	Lot of Bikes Storehouse	Mr.	Alan	Brewer	4253 East 1st Street		Carol Stream	Illinois	United States	60188
25584	Futuristic Bikes	Mr.	Walter	Brown	2510 1st Street		Gilbert	California	United States	90232
25585	Road Express Delivery Service	Mr.	Christopher	Bright	Washington Square		Portland	Oregon	United States	97225
25588	Nordest Bike Company	Mr.	Willie	Brooks	Holiday Village Mall		Glendale	Illinois	United States	60445
25590	Metro Bike Works	Mr.	Jo	Brown	25000 Eight Mile Road		Desert	Michigan	United States	48226
25591	Bear & Bear	Mr.	Robert	Brown	25000 Bear Blvd		Saint Louis	Missouri	United States	63120
25598	Mechanics Products Ltd.	Mr.	Victor	Bronkhorst	25550 Puerto De Los Americas		San Diego	California	United States	92122
25622	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S		Tacoma	Washington	United States	98405

16. En la cinta **Modeling**, en el grupo **Properties**, haga clic en **DataCategory: Uncategorized** y luego haga clic en **State or Province**.



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The screenshot shows the 'Customers' table in Power BI Desktop. The 'CountryRegion' column is highlighted with a red box. The table contains 607 rows and 25 distinct values for the 'CountryRegion' column.

CustomerID	CompanyName	Title	FirstName	LastName	Address	Address2	City	StateProvince	CountryRegion	PostalCode
29492	Valley Breeze Specialties	Mr.	Jay	Adams	Blue Nile		Kansas City	Missouri	United States	64106
29494	Fun Toys and Blues	Mr.	Robert	Ashering	6500 E Main Road		Tucson	Arizona	United States	85701
29497	Green Gates	Mr.	François	Ferrier	Extrastore Mail		Casper	Wyoming	United States	82601
29500	Systech Supplies	Mr.	Paul	Garrison	7777 Northgate Ave		Rock Springs	Wyoming	United States	82601
29508	Mountain Toy Store	Mr.	Sean	Jackson	2555 East Warner Road		Gilbert	Arizona	United States	85233
29509	Bold Bike Accessories	Mr.	Marvin	Albert	First City	Postle code	Sugar Land	Texas	United States	77478
29512	Lightning Company	Mr.	Oscar	Alberto	9000 Rockwood		Louisville	Colorado	United States	80237
29513	Reusel Services	Mr.	Thomas	Armstrong	Fox Hill		Las Vegas	Nevada	United States	89106
29515	The Gear Store	Mr.	John	Arthur	2345 N Latitude		Oklahoma City	Oklahoma	United States	90232
29516	Innate Manufacturing Company	Mr.	Stephen	Avery	1911 Northgate Center		Houston	Texas	United States	77003
29517	Work and Play Association	Mr.	James	Baley	2510 E Main Road		San Jose	California	United States	95134
29518	Renovate Bike Store	Mr.	Stephen	Austin	2510 E Main Road		Sacramento	Michigan	United States	48223
29519	Rentalize Bike Store	Mr.	Cory	Booth	Exterior	Web URL	Las Vegas	Nevada	United States	89106
29522	Road-Way Mart	Mr.	James	Bailey	Southern	Image URL	Missoula	Montana	United States	59801
29523	Small Cycle Store	Mr.	Douglas	Baird	Horseshoe		Portland	Michigan	United States	49423
29524	World Bike Stores	Mr.	Robert	Bartman	4825 E Main Road		Phoenix	Texas	United States	77020
29526	Kioskan Selens	Mr.	Robert	Barker	6789 Warren Road		Winter Haven	Michigan	United States	48185
29545	Center Cycle Shop	Mr.	John	Bauer	9930 22nd Southwest		Bethel	Washington	United States	98011
29550	Another Bicycle Company	Mr.	Stanley	Allen	5677 SW Mulchfield Blvd		Milwaukee	Oregon	United States	97222
29551	World Bike Store	Mr.	Mark	Benson	5677 SW Mulchfield Blvd		South Bend	Michigan	United States	48224
29559	Safe Cycle Shop	Mr.	Robert	Bennet	2851 14th Ave Ne		Bremerton	Washington	United States	98004
29560	Number 1 Supply	Mr.	Matthew	Bennett	Escorialdo		Eccundo	California	United States	92025
29562	Golf and Cycle Store	Mr.	Jimmy	Bischoff	5550 Grissomson Center Drive		La Mesa	California	United States	91941
29563	World Bike Discount Store	Mr.	Donald	Bischoff	3068 Santa Margarita Parkway		Temecula Canyon	California	United States	92379
29568	Coastline Bike Company	Mr.	Donald	Blanchard	Horizon Outlets Center		El Segundo	California	United States	90245
29570	Grease and Oil Products Company	Mr.	Michael	Byrne	9920 Highways & South		Houston	Texas	United States	77003
29574	Third Bike Store	Mr.	Randall	Bosman	2500 North Stommers Freeway		Dallas	Texas	United States	75201
29579	Initial Bike Companies	Mr.	Thomas	Brennan	7777 Northgate Center		Waukesha	Colorado	United States	80237
29580	Lenses System Equipment	Mr.	Richard	Breely	4251 First Avenue		Las Vegas	Michigan	United States	48100
29582	Raw Materials Inc	Mr.	Ted	Broner	Brig. 9N/928		Seattle	Washington	United States	98104
29583	Lot of Bikes Storehouse	Mr.	Alex	Brewer	4255 East Lies Road		Redmond	Washington	United States	98052
29584	Polymeric Bikes	Mr.	Walter	Brewer	2510 E Main Road		Card Stream	Illinois	United States	60188
29585	Delivery Service	Mr.	Christopher	Bright	Washington Square		Portland	Oregon	United States	97005
29588	Notred Tie Company	Mr.	Willie	Brooks	Holiday Village Mall		Great Falls	Montana	United States	59401
29590	Metro Bike Works	Mr.	Jo	Brown	25000 Eight Mile Road		Detroit	Michigan	United States	48226
29591	Bent & Bent	Mr.	Matthew	Brown	25000 Eight Mile Road		San Luis Obispo	Michigan	United States	48223
29598	Mechanics Products Ltd	Mr.	Michael	Bronze	22550 Puerto De Los Americas		San Diego	California	United States	92102
29622	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S		Tacoma	Washington	United States	98403

17. Haga clic en el encabezado de la columna **CountryRegion**.

The screenshot shows the 'Customers' table in Power BI Desktop. The 'CountryRegion' column is highlighted with a red box. The 'DataCategory' dropdown is open, showing the option 'Uncategorized'. The table contains 607 rows and 25 distinct values for the 'CountryRegion' column.

CustomerID	CompanyName	Title	FirstName	LastName	Address	Address2	City	StateProvince	CountryRegion	PostalCode
29492	Valley Breeze Specialties	Mr.	Jay	Adams	Blue Nile		Kansas City	Missouri	United States	64106
29494	Fun Toys and Blues	Mr.	Robert	Ashering	6500 E Main Road		Tucson	Arizona	United States	85701
29497	Green Gates	Mr.	François	Ferrier	Extrastore Mail		Casper	Wyoming	United States	82601
29500	Systech Supplies	Mr.	Paul	Garrison	7777 Northgate Ave		Rock Springs	Wyoming	United States	82601
29508	Mountain Toy Store	Mr.	Marvin	Albert	First City	Postle code	Gilbert	Arizona	United States	85233
29512	Bold Bike Accessories	Mr.	Oscar	Alberto	4825 E Main Road		Sugar Land	Texas	United States	77478
29513	Lightning Company	Mr.	Thomas	Armstrong	2510 E Main Road		Louisville	Colorado	United States	80237
29515	Reusel Services	Mr.	John	Arthur	2345 N Latitude		Las Vegas	Michigan	United States	48185
29516	The Gear Store	Mr.	Stephen	Avery	1911 Northgate Center		Oklahoma City	Oklahoma	United States	97222
29517	Innate Manufacturing Company	Mr.	James	Baley	2510 E Main Road		Houston	Texas	United States	77003
29518	Work and Play Association	Mr.	James	Baley	Southern	Image URL	San Antonio	Texas	United States	78003
29519	Rentalize Bike Store	Mr.	Douglas	Baird	Horizon Outlets Center		Sacramento	Michigan	United States	48223
29522	Road-Way Mart	Mr.	Wayne	Barkach	48251 101 E. Del Barco Blvd.		El Segundo	California	United States	90245
29523	Small Cycle Store	Mr.	Robert	Bartman	9920 Highways & South		Houston	Texas	United States	77003
29524	World Bike Stores	Mr.	Robert	Bartman	2500 North Stommers Freeway		Dallas	Texas	United States	75201
29526	Kioskan Selens	Mr.	Robert	Barker	6789 Warren Road		Westminster	Colorado	United States	80030
29545	Center Cycle Shop	Mr.	John	Bauer	9930 22nd Southwest		Colorado City	Michigan	United States	97023
29550	Another Bicycle Company	Mr.	Stanley	Allen	5677 SW Mulchfield Blvd		Bethel	Washington	United States	98011
29551	World Bike Store	Mr.	Mark	Benson	5677 SW Mulchfield Blvd		Milwaukee	Oregon	United States	97222
29559	Safe Cycle Shop	Mr.	Robert	Bennet	2851 14th Ave Ne		South Bend	Michigan	United States	48234
29560	Number 1 Supply	Mr.	Matthew	Bennett	Escorialdo		Eccundo	California	United States	92025
29562	Golf and Cycle Store	Mr.	Jimmy	Bischoff	5550 Grissomson Center Drive		La Mesa	California	United States	91941
29563	World Bike Discount Store	Mr.	Donald	Bischoff	3068 Santa Margarita Parkway		Temecula Canyon	California	United States	92379
29568	Coastline Bike Company	Mr.	Donald	Blanchard	Horizon Outlets Center		El Segundo	California	United States	90245
29570	Grease and Oil Products Company	Mr.	Michael	Byrne	9920 Highways & South		Houston	Texas	United States	77003
29574	Third Bike Store	Mr.	Randall	Bosman	2500 North Stommers Freeway		Dallas	Texas	United States	75201
29579	Initial Bike Companies	Mr.	Thomas	Brennan	7777 Northgate Center		Waukesha	Michigan	United States	48100
29580	Lenses System Equipment	Mr.	Richard	Breely	4251 First Avenue		Las Vegas	Michigan	United States	48185
29582	Raw Materials Inc	Mr.	Ted	Broner	Brig. 9N/928		Seattle	Washington	United States	98104
29583	Lot of Bikes Storehouse	Mr.	Alex	Brewer	4255 East Lies Road		Redmond	Washington	United States	98052
29584	Polymeric Bikes	Mr.	Walter	Brewer	2510 E Main Road		Card Stream	Illinois	United States	60188
29585	Delivery Service	Mr.	Christopher	Bright	Washington Square		Oklahoma City	Michigan	United States	97023
29588	Notred Tie Company	Mr.	Willie	Brooks	Holiday Village Mall		Portland	Michigan	United States	97005
29590	Metro Bike Works	Mr.	Jo	Brown	25000 Eight Mile Road		Great Falls	Montana	United States	59401
29591	Bent & Bent	Mr.	Robert	Brown	25000 Eight Mile Road		Detroit	Michigan	United States	48226
29598	Mechanics Products Ltd	Mr.	Matthew	Bronze	22550 Puerto De Los Americas		San Luis Obispo	Michigan	United States	48223
29622	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S		Tacoma	Washington	United States	98403

18. En la cinta **Modeling**, en el grupo **Properties**, haga clic en **DataCategory: Uncategorized** y luego haga clic en **Country**.



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AdventureWorksLT Sales - Power BI Desktop									
Table Customers [407 rows] Column:Region [3 distinct values]									
File	Home	Help	Table tools	Column tools	Search	Summarization	Don't summarize	Data category	Calculated
#	Name	CustomerType	City	State/Province	Address	Race	AddressedTo	City	PostCode
Structure	Formating	Summarization	Sort by column	Data groups	Manage relationships	New column	Calculated	Fields	
24942	Yellow Pages Specialists	Residential	Atlanta	Blue	1800 Peachtree Street NW	White	Kansas City	Missouri	United States
24943	Fun Toys and Books	Residential	Mr. Robert	Yellow	6500 Peachtree Street NW	Black	Tucson	Arizona	United States
24944	Great Books	Residential	Mr. Francois	Fernley	Country Club Plaza	White	Casper	Wyoming	United States
24945	Great American Sport Suppliers	Business	Mr. Paul	Green	1000 N.W. 10th Street	Black	Rock Springs	Wyoming	United States
24946	Great American Sports	Business	Mr. John	Green	Westgate	White	Gainesville	Florida	United States
24947	Mountain Toy Store	Business	Mr. Marvin	Alain	First Of Our Kind	Black	Sugar Land	Texas	United States
24948	Mountain Toy Store	Business	Mr. Ostar	Auburn	Rocky Mountain	White	Loveland	Colorado	United States
24949	Brighton Company	Business	Mr. Tom	Johnson	Bed & Breakfast	White	Las Vegas	Nevada	United States
24950	Brighton Company	Business	Mr. Thomas	Jefferson	Continental	White	Custer	Pennsylvania	United States
24951	The Gear Store	Business	Mr. John	Arthur	Leather	White	Houston	Texas	United States
24952	Mannequin Manufacturing Company	Business	Mr. Chris	Alton	70 N Longfellow	White	Saint Ann	Missouri	United States
24953	Miller and Prie Associates	Business	Mr. Stephen	Avery	2553 N. 200th Street	White	Southington	Michigan	United States
24954	Miller and Prie Associates	Business	Mr. Steven	David	Web URL	White	La Mesa	California	United States
24955	Mobile Phone Store	Business	Mr. James	Balby	Young	Image URL	Missoula	Montana	United States
24956	Mobile Phone Store	Business	Mr. Douglas	Bethel	Horizon	White	Holland	Michigan	United States
24957	Grand Arcade Stores	Business	Mr. Wayne	Benicia	Barocuda	White	Baytown	Texas	United States
24958	Grand Arcade Stores	Business	Mr. Robert	Bethel	Big Apple	White	Wheaton	Illinois	United States
24959	Centre Cycle Shop	Business	Mr. John	Beverly	2320 Southwester	White	Bottrell	Washington	United States
24960	Another Bike Company	Business	Mr. Stanley	Alan	503 W Michigan Blvd	White	Milwaukee	Oregon	United States
24961	Ford Inc	Business	Mr. Peyton	Benton	96700 Teague Rd	White	Southeast	Michigan	United States
24962	Ford Inc	Business	Mr. Peyton	Benton	96700 Teague Rd	White	Bellwood	Illinois	United States
24963	Funhouse 2000	Business	Mr. Matthias	Bennie	Eccentric	White	Eccentrico	California	United States
24964	Funhouse 2000	Business	Mr. Steven	Brown	5500 Greenstone Center Drive	White	La Mesa	California	United States
24965	World Class Discount Store	Business	Mr. Jimmy	Buchanan	3000 Santa Margarita Parkway	White	Trabuco Canyon	California	United States
24966	Corporate Bike Company	Business	Mr. Donald	Burton	Corporate Office	White	El Segundo	California	United States
24967	Corporate Bike Company	Business	Mr. Andrew	Cameron	Corporate Office	White	Houston	Texas	United States
24968	Corporate Bike Company	Business	Mr. Randall	Severnus	2500 Stemmons Freeway	White	Dallas	Texas	United States
24969	Third Eye Bike	Business	Mr. Cornelius	Brandon	789 West Alameda	White	Westminster	Colorado	United States
24970	Smart Sports Equipment	Business	Mr. Henry	Breathly	4251 First Avenue	White	Seattle	Washington	United States
24971	Smart Sports Equipment	Business	Mr. Ted	Brennan	4251 First Avenue	White	Redmond	Washington	United States
24972	Lost & Lonesome	Business	Mr. Alan	Brewer	4351 East 3rd Road	White	Carol Stream	Illinois	United States
24973	FutureBikes	Business	Mr. Walter	Brian	21515 Jefferson Blvd	White	Culver City	California	United States
24974	Future Bikes	Business	Mr. Christopher	Bright	Washington Square	White	Portland	Oregon	United States
24975	Future Bikes	Business	Mr. William	Bright	Washington Square	White	Orlando	Florida	United States
24976	Micro Bike Works	Business	Mr. Jo	Brown	20000 Eight Mile Road	White	Detroit	Michigan	United States
24977	Bent O' Bikes	Business	Mr. Robert	Brown	205880 Blvd	White	Saint Louis	Missouri	United States
24978	Mechanical Products Ltd.	Business	Mr. Michael	Brown	22551 Las Americas	White	San Diego	California	United States
24979	Mechanical Products Ltd.	Business	Mr. Henry	Campen	2507 Pacific Ave S	White	Tacoma	Washington	United States

19. Haga clic en el encabezado de la columna **PostalCode**.

20. En la cinta **Modeling**, en el grupo **Properties**, haga clic en **DataCategory**: **Uncategorized** y luego en **Postal Code**.



INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI

AdventureWorksLT Sales - Power BI Desktop

File Home Help Table tools Column tools

Summarization Don't summarize Data category Uncategorised

Sort by column Sort by group Sort New column

Fields

Search

Customers Sales

Name	PostalCode	Format	Text	Summarization	Don't summarize	Data category	Uncategorised	Sort by column	Sort by group	New column	Fields
28492 Valley Bicycle Specialists	Mr	Jen	Adams	Blue Ridge	City						
28494 Fun Toys and Blas	Mr	Robert	Anning	6500 E. City							
28495 Grand Bicycle Store	Mr	Paul	Ferrier	1000 North Main							
28500 Major Sport Suppliers	Mr	Paul	Alyson	White Rock							
28508 Systematic Sales	Mr	Sean	Jacob	Alder	Postal code	Portle code					
28508 Mountain Toy Store	Mr	Marvin	Oscar	Alberto	Rocky	Country					
28511 Bold Bike Accessories	Mr	Oscar	Alberto	Rocky	Country						
28512 Brightwork Company	Mr	John	Jones	1000 North Main	Pg	Continent					
28522 Recycle Services	Mr	Thomas	Armstrong	Fox Hill							
28523 The Gear Store	Mr	Arthur	Arthur	2345 N	Latitude						
28524 Innovative Work Association	Mr	Chris	Aston	70 N.W.	Longitude						
28525 Workforce Work Association	Mr	Stephen	Austin	2301 N.W.							
28531 Renovate Bike Store	Mr	Cory	Bosch	Easter	Web URL						
28532 Road-Way Mart	Mr	James	Barney	Soung	Image URL						
28533 Small Cycle Store	Mr	Douglas	Baldwin	Horsde							
28535 Grand Bicycle Store	Mr	James	Barney	4832 North	Barcode						
28536 Kickstand Sales	Mr	Robert	Barker	4789 Warren	Road						
28545 Center Cycle Shop	Mr	John	Bever	99300 123rd	Southeast						
28550 Another Bicycle Company	Mr	Stanley	Allen	567 Elm	Monroeville	Blvd					
28551 Bold Bike Accessories	Mr	Paul	Alyson	White	Rocky	Country					
28559 Safe Cycle Shop	Mr	Robert	Bennet	2515 S 10th	Steue-Nie						
28560 Number 1 Supply	Mr	Matthews	Bennett	Escondido							
28562 Golf and Cycle Store	Mr	Steven	Brown	5500 Ground	Center	Drive					
28563 Workforce Work Association	Mr	Donald	Burton	3000 North	Innovation	Paradise					
28568 Coalition Bike Company	Mr	Donald	Burton	Corporate	Office						
28570 Grease and Oil Products Company	Mr	Michael	Byrne	9902 Highway	N. South						
28574 Third Bike Store	Mr	Ronald	Bosner	2500 North	Steaming	Freeway					
28579 Brightwork Company	Mr	James	Branson	7000 N.W.	Latitude	Longitude					
28580 Latent Sports Equipment	Mr	Richard	Breedy	4251 First	Avenue						
28582 Raw Materials Inc	Mr	Ted	Brenner	4251 N.W.	Latitude	Longitude					
28583 Lot of Bikes Storehouse	Mr	Allen	Brewer	4251 East	Lies	Road					
28584 Futurekite Kite Shop	Mr	Walter	Brown	2500 North	Steue-Nie	Blvd					
28585 Parrot Express Delivery Service	Mr	Christopher	Bright	Washington	Square						
28588 Nonstop Tire Company	Mr	Willie	Brooks	Holiday Village	Mall						
28590 Metro Bike Works	Mr	Jo	Brown	25000 Eight	Mile	Road					
28591 World Bike Discount Store	Mr	Stephen	Brown	25000 Eight	Mile	Road					
28598 Metawheel Products Ltd	Mr	Michael	Bronlage	25500 Peeks De	Las Americas						
28622 Metro Cycle Shop	Mr	Henry	Campen	2551 Pacific	Ave S						

Table: Customers (407 rows) Column: PostalCode (287 distinct values)

21. En la cinta **Modeling**, en el grupo **Calculations**, haga clic en **NewColumn** y luego en la barra de fórmulas, escriba la siguiente expresión y presione Enter:

FullAddress = Customers[AddressLine1] & ", " & Customers[City] & ", " & Customers[StateProvince] & ", " & Customers[CountryRegion] & ", " & Customers[PostalCode]

AdventureWorksLT Sales - Power BI Desktop

File Home Help Table tools Column tools

Summarization Don't summarize Data category Uncategorised

Sort by column Sort by group Sort New column

Fields

Search

Customers AddressLine1 AddressLine2 City StateProvince CountryRegion PostalCode

Name	Column	Format	Text	Summarization	Don't summarize	Data category	Uncategorised	Sort by column	Sort by group	New column	Fields
28492 Valley Bicycle Specialists	AddressLine1		Kansas City	Missouri	United States	64106					
28494 Fun Toys and Blas	AddressLine1		Tucson	Arizona	United States	85701					
28495 Grand Bicycle Store	AddressLine1		Color	Wyoming	United States	82001					
28500 Major Sport Suppliers	AddressLine1		Rock Springs	Wyoming	United States	82001					
28508 Systematic Sales	AddressLine1		Gilbert	Arizona	United States	85233					
28508 Mountain Toy Store	AddressLine1		Sage Land	Texas	United States	77478					
28511 Bold Bike Accessories	AddressLine1		Uvalde	Colorado	United States	80537					
28512 Brightwork Company	AddressLine1		Uvalde	Mississippi	United States	83204					
28522 Recycle Services	AddressLine1		Clover City	California	United States	90232					
28523 The Gear Store	AddressLine1		Houston	Texas	United States	77003					
28524 Innovative Work Association	AddressLine1		Saint Ann	Missouri	United States	63074					
28525 Workforce Work Association	AddressLine1		Leavenworth	Missouri	United States	64065					
28526 Road-Way Mart	AddressLine1		Las Vegas	Nevada	United States	89106					
28531 Small Cycle Store	AddressLine1		Portland	Oregon	United States	97222					
28533 Grand Bicycle Store	AddressLine1		Ed Segundo	California	United States	92029					
28535 Kickstand Sales	AddressLine1		Holbrook	Michigan	United States	49413					
28536 Center Cycle Shop	AddressLine1		Leavenworth	Michigan	United States	49423					
28537 Brightwork Company	AddressLine1		Las Vegas	Nevada	United States	89103					
28539 Latent Sports Equipment	AddressLine1		Portland	Oregon	United States	97222					
28541 Lot of Bikes Storehouse	AddressLine1		Ed Segundo	Michigan	United States	49423					
28542 Futurekite Kite Shop	AddressLine1		Seattle	Washington	United States	98104					
28543 Parrot Express Delivery Service	AddressLine1		Ed Segundo	Michigan	United States	49423					
28544 Futuristkite	AddressLine1		Ed Segundo	Michigan	United States	49423					
28545 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28546 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28547 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28548 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28549 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28550 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28551 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28552 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28553 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28554 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28555 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28556 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28557 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28558 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28559 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28560 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28561 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28562 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28563 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28564 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28565 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28566 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28567 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28568 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28569 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28570 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28571 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28572 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28573 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28574 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28575 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28576 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28577 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28578 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28579 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28580 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28581 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28582 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28583 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28584 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28585 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28586 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28587 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28588 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28589 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28590 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28591 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28592 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28593 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28594 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28595 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28596 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28597 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28598 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28599 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28600 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28601 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28602 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28603 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28604 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28605 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28606 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28607 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28608 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28609 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28610 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28611 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28612 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28613 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28614 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					
28615 Futurekite Kite Shop	AddressLine1		Ed Segundo	Michigan	United States	49423					



INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI

23. Haga clic con el botón derecho en la columna **RevisionNumber** y haga clic en **Delete**.

24. En el cuadro de diálogo **Delete Column**, haga clic en **Delete**.



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25. Haga clic con el botón derecho en la columna **SalesOrderNumber** y haga clic en **Delete**.

The screenshot shows the Power BI Desktop interface with the 'Sales' table selected. The 'SalesOrderNumber' column is highlighted with a red box. A context menu is open over this column, with the 'Delete' option highlighted.

26. En el cuadro de diálogo **Delete Column**, haga clic en **Delete**.

The screenshot shows the 'Delete column' dialog box from Power BI. It asks if you are sure you want to delete the 'SalesOrderNumber' column. The 'Delete' button is highlighted with a red box.

27. Haga clic con el botón derecho en la columna **CustomerID** y luego haga clic en **Hide in ReportView**.



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AdventureWorksLT - Power BI Desktop

File Home Help Table tools Column tools

Search

Name CustomerID Formatted Value Number Summarization Don't summarize Data type Whole number \$ % & # Category Unspecified Sort by column Sort by row Data groups Groups Manage relationships New columns Calculations

Structure

Formatting Properties Sort Sort by column Sort by row Data groups Groups Manage relationships New columns Calculations

Fields

Sort ascending Sort descending Clear sort Clear filter Expand filters Copy Copy table Insert Insert rows New measure New column Refresh data Edit query Rename Delete Hide in report view Unhide All hide New group

105062 Components Roof Frames 838 112 Roof Frame*W*H*V*Color 48 1 234.81 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 881,448 105063 Components Roof Frames 838 112 Roof Frame*W*H*V*Color 38 1 234.81 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 881,448 105067 Components Brakes 807 Rear Brakes 1 206.5 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 75,82 105068 Components Mountain Bikes 904 Mountain Bike*W*H*V*Color 42 1 234.79 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105021 Components Mountain Frames 743 H* Mountain Frame*Brake *Black 2 144.79 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105022 Components Mountain Frames 743 H* Mountain Frame*Brake *Black 48 2 144.79 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105028 Components Pedals 307 H* Mountain Peda 1 86.99 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105029 Components Bikes 301 H* Mountain Bike*48 1 164.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105030 Components Bikes 301 H* Mountain Bike*48 48 1 164.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105040 Components Handsetters 820 H* Mountain Handsetters 1 120.37 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105042 Components Mountain Frames 821 H* Mountain Frame*Brake *44 1 249.79 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105044 Accessories Hydration Packs 882 Hydration Pack*10 -oz 1 54.99 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105045 Components Accessories 882 Hydration Pack*10 -oz 1 124.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 3418,6851 105078 Components Bikes 798 Touring Bikes 1 742.35 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105080 Components Bikes 798 Touring Bikes 44 1 742.35 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105089 Components Bikes 851 Touring Mountain Bikes 50 1 238.07 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105090 Components Bikes 848 Front Brakes 1 106.5 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105091 Components Components 848 Front Brakes 1 121.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105092 Components Bikes 799 Touring Bikes 24 1 214.85 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105093 Components Bikes 799 Touring Bikes 46 1 214.85 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105095 Components Bikes 851 Touring Mountain Bikes 54 1 242.55 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105096 Components Bikes 851 Touring Mountain Bikes 54 1 242.55 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105097 Components Bikes 798 Touring Bikes 40 1 124.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105098 Components Seesies 854 H* Touring Frame*Seat*Handlebar 1 52.64 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105099 Components Seesies 854 H* Touring Frame*Seat*Handlebar 1 535.42 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105100 Components Touring Frames 855 H* Touring Frame*Brake *54 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105101 Components Touring Frames 855 H* Touring Frame*Brake *54 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105102 Components Touring Frames 855 H* Touring Frame*Brake *54 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105103 Components Touring Frames 855 H* Touring Frame*Brake *54 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105104 Components Touring Frames 855 H* Touring Frame*Brake *54 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105105 Components Bikes 794 Road Bikes 40 1 110.49 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105106 Components Bikes 794 Road Bikes 40 1 110.49 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105107 Components Bikes 800 Road*550-W*48 1 110.49 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105108 Components Bikes 800 Road*550-W*48 1 110.49 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105109 Components Clothing 873 Beading Socks 1 8.99 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105110 Components Clothing 873 Beading Socks 1 742.35 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37783,3304 105111 Components Young Frames 893 H* Young Frame*Blue 50 1 131.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105112 Components Young Frames 893 H* Young Frame*Blue 50 1 131.89 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105113 Components Young Frames 893 H* Young Frame*Blue 50 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105114 Components Young Frames 893 H* Young Frame*Blue 50 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105115 Components Young Frames 893 H* Young Frame*Blue 50 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105116 Components Young Frames 893 H* Young Frame*Blue 50 1 2005.91 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105117 Components Seesies 892 H* Young Seesie*Seat*Handlebar 1 12.64 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321 105118 Components Young Bikes 370 H* Young Touring Bike 40 1 214.85 01/06/2008 00:00:00 13/06/2008 00:00:00 08/06/2008 00:00:00 37784,6321

Table Series (542 rows) Column: CustomerID (32 distinct values)

28. Haga clic con el botón derecho en la columna **SalesOrderID** y luego haga clic en **Hide in Report View**.

29. Haga clic con el botón derecho en la columna **SalesOrderDetailID** y luego haga clic en **Hide in ReportView**.



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AdventureWorkLT Sales - Power BI Desktop

Name	SalesOrderDetailID	Format	Whole number	Summarization	Count	Sort by column*	Data category	Manage relationships	New column
Date type	Whole number	\$ %	9,9	Sum	542	Sort by column*	Uncategorized	Sort groups	Sort
Structure									
Properties									
Formatting									
Report									
Fields									
Search									
Customers									
Sales									

Table: Sales [542 rows]; Column: SalesOrderDetailID [542 distinct values]

30. En la cinta Modeling, en el grupo Calculations, haga clic en NewColumn y luego en la barra de fórmulas, escriba la siguiente expresión y presione Enter:

LineTotal = Sales[OrderQty] * Sales[ListPrice]

AdventureWorkLT Sales - Power BI Desktop

Name	LineTotal	Format	General	Summarization	Sum	Sort by column*	Data category	Manage relationships	New column
Date type	Decimal number	\$ %	9,9	Sum	542	Sort by column*	Uncategorized	Sort groups	Sort
Structure									
Properties									
Formatting									
Report									
Fields									
Search									
Customers									
Sales									
Product									
SubCategory									
MainCategory									
DuoDate									
LineTotal									
OrderDate									
OrderQty									
ProductID									
SubOrderDetailID									
CustomerID									
ShipDate									
SubTotal									

Table: Sales [542 rows]; Column: LineTotal [259 distinct values]

31. Haga clic en el encabezado de la columna **LineTotal**.



INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI

32. En la cinta **Modeling**, en el grupo **Formatting**, haga clic en **Format:General**, señale **Currency** y luego haga clic en **\$ English (United States)**.

AdventureWorksLT Sales - Power BI Desktop																		
File Home Help Table tools Column tools																		
Search																		
Jose Carlos GUTIERREZ PONCE																		
File	Home	Help	Table tools	Column tools	Summarization	Sum	Sort by column	Data group	Manage relationships	New column	Coumns							
Date type	LocalTime	LocalTime	Number	Percent	General	Category	Uncategorized	Sort by column	Data group	Relationships	New column	Structure						
28847	7,774	Percentage	Rose Frames	826	Mt. Rose Frame-W, Yellow, 48	1	594,81	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	880,444	554,83						
28847	7,774	Scientific	Rose Frames	826	Mt. Rose Frame-W, Yellow, 38	1	594,81	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	880,444	554,83						
30075	7,779		Bronze	901	Rose Frame	1	108,1	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	18,81	10,95						
30113	7,780	110021 Components	Mountain Frame	924	U.L. Mountain Frame - Back	1	249,79	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	2249,79						
30113	7,780	110021 Components	Mountain Frame	741	H.U. Mountain Frame - Back	1	144,41	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	11,346,8						
30113	7,780	110021 Components	Mountain Frame	977	H.U. Mountain Pedal	1	80,41	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	589,81						
30113	7,780	110021 Components	Mountain Frame	924	U.L. Mountain Frame - Back	1	249,79	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	2249,79						
30113	7,780	110021 Components	Mountain Frame	924	Mt. Mountain Bike	1	539,99	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	539,99						
30113	7,780	110041 Components	Handlebars	820	U.L. Mountain Handlebars	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	120,27						
30113	7,780	110041 Components	Mountain Frame	924	U.L. Mountain Frame - Back	1	249,79	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	394,18,695	249,79						
30445	7,781	110065 Components	Touring Frame	841	U.L. Touring Frame	1	144,41	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	554,49						
30445	7,781	110065 Components	Touring Frame	841	Touring Frame	1	248,07	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,07						
30445	7,781	110065 Components	Touring Frame	841	Touring 2000, Head	1	742,35	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	742,35						
30445	7,781	110079 Bikes	Touring Bikes	851	Touring 2000, Yellow, 50	1	248,44	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,44						
30445	7,781	110079 Bikes	Touring Bikes	851	Touring 2000, Blue, 44	1	301,91	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	301,91						
30445	7,781	110079 Bikes	Touring Bikes	851	Touring 2000, Yellow, 50	1	248,44	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,44						
30445	7,781	110079 Bikes	Touring Bikes	851	Touring 2000, Blue, 44	1	301,91	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	301,91						
30445	7,781	110085 Components	Kustom Brakelets	944	U.L. System Breker	1	55,99	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	55,99						
30445	7,782	110085 Components	Touring Bikes	970	Touring 2000, Blue	1	1214,68	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	1214,68						
30445	7,782	110085 Components	Touring Bikes	970	Touring 2000, Yellow	1	284,07	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,07						
30445	7,782	110085 Components	Touring Bikes	970	Touring 2000, Yellow, 54	1	242,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2242,27						
30445	7,782	110085 Components	Touring Bikes	970	Touring 2000, Blue, 50	1	174,85	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	174,85						
30445	7,782	110085 Components	Saddles	934	U.L. Touring Seatleste	1	52,64	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	52,64						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring - Frame - Yellow, 62	1	338,42	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	338,42						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring - Frame - Blue, 54	1	200,91	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	200,91						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring - Frame - Blue, 44	1	174,85	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	174,85						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring - Frame - Yellow, 50	1	248,44	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,44						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring Frame - Blue, 44	1	144,41	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	144,41						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring Frame - Yellow, 50	1	248,44	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	2248,44						
30445	7,782	110070 Components	Touring Frames	886	U.L. Touring Frame - Blue, 50	1	174,85	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	174,85						
30445	7,782	110070 Components	Handlebars	813	U.L. Road Handlebars	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Handlebar	1	54,44	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	54,44						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 54	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 54	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 54	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 54	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 54	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Yellow, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 44	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445	7,782	110070 Components	Handlebars	813	Rosé Road Frame - Blue, 50	1	120,27	01/06/2008 00:00:00	15/06/2008 00:00:00	08/06/2008 00:00:00	397,85,304	120,27						
30445																		

33. En la cinta **Modeling**, en el grupo **Calculations**, haga clic en **NewMeasure** y luego en la barra de fórmulas, escriba la siguiente expresión y presione Enter.

TargetSales = SUM('Sales'[LineTotal]) * 1.2



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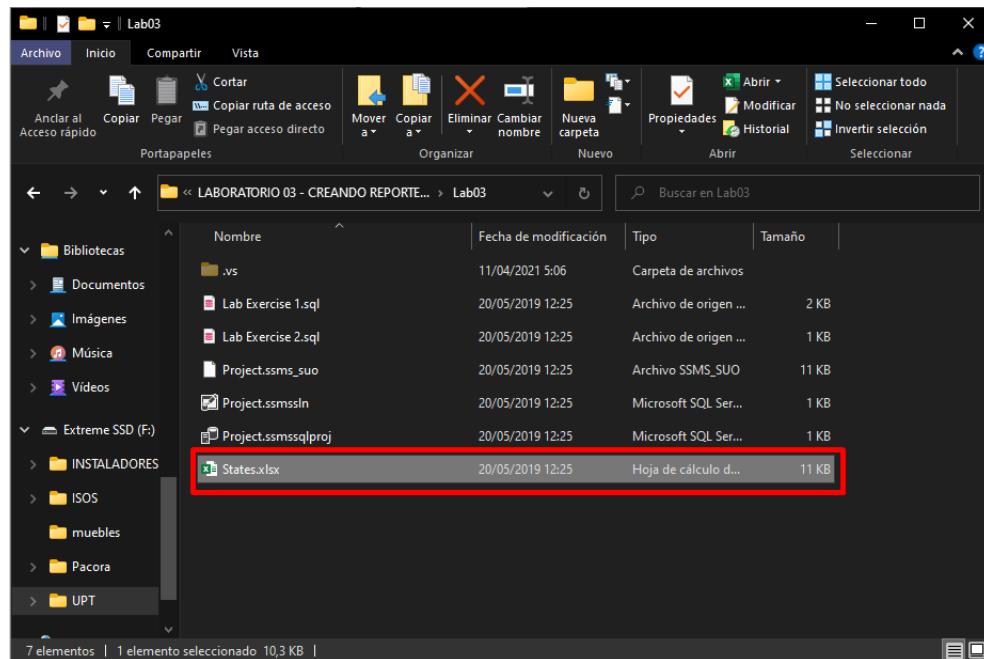
34. Haga clic en **Save** y deje Power BI Desktop abierto para la siguiente tarea.

4.1.3. Combinar Data

1. En el Explorador de archivos y luego abra el archivo States.xlsx.



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2. En la hoja de trabajo de **States**, seleccione todos los valores en las dos columnas y luego presione Ctrl + C.

The screenshot shows an Excel spreadsheet titled "States.xlsx" with the following data:

	A	B
1	States	SalesYTD
2	Alabama	0
3	Alaska	0
4	Arizona	0
5	Arkansas	0
6	California	448130545
7	Colorado	17641.75
8	Connecticut	0
9	Delaware	0
10	District of Columbia	0
11	Florida	0
12	Georgia	0
13	Hawaii	0
14	Idaho	0
15	Illinois	0
16	Indiana	0
17	Iowa	0
18	Kansas	0
19	Kentucky	0
20	Louisiana	0
21	Maine	0
22	Maryland	0
23	Massachusetts	0
24	Michigan	0
25	Minnesota	0
26	Mississippi	0
27	Missouri	0
28	Montana	0
29	Nebraska	0
30	Nevada	9225.27
31	New Hampshire	0
32	New Jersey	0
33	New Mexico	19214.74
34	New York	0
35	North Carolina	0
36	North Dakota	0
37	Ohio	0
38	Oklahoma	0
39	Oregon	0
40	Pennsylvania	0
41	Rhode Island	0

3. En Power BI Desktop, en la cinta **Home**, haga clic en Enter Data.



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The screenshot shows the Power BI Desktop interface with a table named 'TargetSales'. The table has 542 rows and 1 column, labeled 'TargetSales'. The column type is 'DistinctValues'. The data in the table consists of state names: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming.

- En el cuadro de diálogo Crear tabla, haga clic en la tabla y luego presione Ctrl + V. Power BI detecta que la primera fila es un encabezado de columna.

The screenshot shows the 'Create Table' dialog box in Power BI. The 'Name' field is highlighted with a red box, containing the value 'Sales'. The 'Load' button is at the bottom right.

- En el cuadro Name, escriba Sales by State y luego haga clic en Load.



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The screenshot shows the 'Create Table' dialog box in Power BI Desktop. It displays a preview of data from the 'Sales by State' table, which contains columns for State, SalesYTD, and Sales. A red box highlights the 'OK' button at the bottom right of the dialog.

6. En la cinta Home, haga clic en Get Data y luego en Web.

The screenshot shows the 'Get Data' ribbon tab selected in Power BI Desktop. In the 'Common data sources' list, the 'Web' icon is highlighted with a red box.

7. En el cuadro de diálogo From Web, en el cuadro URL, escriba http://en.wikipedia.org/wiki/List_of_U.S._state_abbreviations y, a continuación, haga clic en OK.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset open. A 'From Web' dialog box is displayed, prompting the user to enter a URL. The URL 'http://en.wikipedia.org/wiki/List_of_U.S._state_abbreviations' is typed into the input field. The 'OK' button at the bottom right of the dialog box is highlighted with a red box.

8. En el cuadro de diálogo **Navigator**, seleccione **Codes and abbreviations for U.S. states, territories and other regions**. Y luego haga clic en **Load**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset open. The 'Navigator' pane is visible on the left, displaying a list of available tables. The 'Codes and abbreviations for U.S. states, territories and other regions' option is selected and highlighted with a red box. At the bottom of the Navigator pane, the 'Load' button is also highlighted with a red box.

9. En el panel **Fields** (Fields), haga clic en **Codes and abbreviations for U.S. states, territories and other regions**. Para mostrar los datos. La tabla tiene 26 filas en la parte inferior que no son necesarias.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset loaded. In the ribbon, the 'Table tools' tab is selected, and the 'Transform Data' icon is highlighted. On the right side, the 'Fields' pane is open, showing a tree view of the data model with 'Codes and abbrev...' expanded. A red box highlights both the 'Codes and abbrev...' button in the ribbon and its corresponding entry in the Fields pane.

10. En la cinta Home, en el grupo Queries, haga clic en Transform Data y luego en Transform Data.

The screenshot shows the 'Transform Data' dialog box from Power BI Desktop. The 'Transform data' button in the ribbon is highlighted with a red box. The main area of the dialog shows the 'Codes and abbreviations' table with data from columns 1 to 6. The 'Fields' pane on the right is visible, showing the data model structure.

11. En el Editor de consultas, en el panel Query, haga clic en Codes and abbreviations for U.S. states, territories and other regions.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset open. In the 'Queries' pane, the 'Codes and abbreviations' query is selected. In the 'Query Editor' ribbon, the 'Home' tab is active. The 'Remove Bottom Rows' button, located in the 'Rows' group, is highlighted with a red box. The preview pane at the bottom shows a table with 21 rows of data.

12. En la cinta Home, haga clic en **Reduce Rows**, haga clic en **Remove Rows** y, a continuación, haga clic en **Remove Bottom Rows**.

This screenshot is identical to the one above, showing the 'Codes and abbreviations' query in the Power BI Desktop Query Editor. The 'Remove Bottom Rows' button is again highlighted with a red box. The preview pane shows the same 21-row table.

13. En el cuadro de diálogo **Remove Bottom Rows**, en el cuadro **Number of rows**, escriba **26** y, a continuación, haga clic en **OK**.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorldLT Sales' dataset open. A modal dialog box titled 'Remove Bottom Rows' is displayed, asking for the number of rows to remove from the bottom. The input field contains '28'. A red box highlights the 'OK' button at the bottom right of the dialog.

14. Haga clic en el encabezado de la columna **ANSI2** y luego mantenga presionada la tecla Ctrl mientras selecciona todas las columnas a la derecha. Esto selecciona varias filas.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorldLT Sales' dataset open. A red box highlights the column headers 'Name' and 'Status' in the first two columns of the main data grid. This indicates that multiple columns have been selected simultaneously.

15. Manteniendo presionada la tecla Ctrl, haga clic en las columnas **Name and status of region2** y **Header** para incluir esto en la selección.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorldT Sales' dataset open. In the 'Queries' list, the 'Codes and abbreviations' query is selected. On the ribbon, the 'Home' tab is active. The 'Columns' tab is highlighted with a red box. The main area displays a table with columns for ISO, ISO 3166 codes, and various abbreviations and state names. The 'Applied Steps' pane on the right shows a step named 'Removed Bottom Rows'.

16. En la cinta Home, haga clic en **Manage Columns**, haga clic en **Remove Columns** y luego haga clic en **Remove Columns**.

This screenshot is similar to the previous one, but the 'Remove Columns' button in the ribbon is highlighted with a red box. The main table content remains the same, and the 'Applied Steps' pane still shows the 'Removed Bottom Rows' step.

17. En el panel **Query Settings**, en **Properties**, en el cuadro **Name**, escriba **States with Codes** y luego presione **Enter**.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorld Sales' query selected. A 'Query Properties' dialog box is open, with the 'Name' field set to 'States with Codes'. The 'OK' button is highlighted with a yellow box.

18. En la cinta Home, en el grupo Transform, haga clic en Use First Row as Headers.

The screenshot shows the Power BI Desktop interface with the 'Transform' ribbon tab selected. The 'Use First Row as Headers' button is highlighted with a red box.

19. Haga clic con el botón derecho en el encabezado de la columna United States of America, haga clic en Rename, escriba State Name y luego presione Enter.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorldLT Sales' dataset. In the 'Queries' pane, the 'States with Codes' query is selected. The 'US' column is currently highlighted. A context menu is open at the top of the column, with the 'Rename...' option highlighted in red.

20. Haga clic con el botón derecho en el encabezado de la columna **US USA 840**, haga clic en **Rename**, escriba **State Code Long** y luego presione Enter.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorldLT Sales' dataset. In the 'Queries' pane, the 'States with Codes' query is selected. The 'US' column is currently highlighted. A context menu is open at the top of the column, with the 'Rename...' option highlighted in red.

21. Haga clic con el botón derecho en el encabezado de la columna de **US**, haga clic en **Rename**, escriba **State Code Short** y luego presione Enter.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset loaded. In the 'Queries' pane, the 'Sales by State' query is selected. A context menu is open over this query, and the 'Rename' option is highlighted with a red box.

22. En el panel **Queries**, haga clic en **Sales by State**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset loaded. In the 'Queries' pane, the 'Sales by State' query is selected. The 'Applied Steps' list on the right shows a step named 'Changed Type' with a red box around it.

23. En la cinta Home, haga clic en **Combine** y luego en **Merge Queries**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset loaded. The ribbon at the top has the 'Home' tab selected. The 'Merge Queries' button in the 'Transform' group of the ribbon is highlighted with a red box.



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24. En el cuadro de diálogo **Merge**, en la tabla **Sales by State**, haga clic en la columna **States**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorksLT Sales' dataset open. In the center, the 'Merge' dialog box is displayed, prompting the user to select a table and matching columns to create a merged table. The 'Sales by State' table is currently selected. On the left side of the main workspace, the 'Sales by State' table is visible with its columns: State, SalesYTD, and Profit. The 'State' column is highlighted with a red box. The right side of the screen shows the 'Properties' pane and the 'Applied Steps' pane, which contains a step labeled 'Changed Type'.

25. En la lista, haga clic en **States with Codes**, haga clic en la columna **State Name** y, a continuación, haga clic en **OK**. La nueva columna se agrega a la tabla y contiene la tabla **States with Codes** combinados.

This screenshot is similar to the previous one, showing the 'Merge' dialog box. However, the 'States with Codes' table is now selected in the list. The 'State Name' column is highlighted with a red box. The 'OK' button at the bottom right of the dialog box is also highlighted with a red box, indicating the next step in the process.

26. En el encabezado de la columna, haga clic en el ícono **Expand**, desactive (Select All Columns), seleccione **State Code Short** y luego haga clic en **OK**. La columna ahora muestra solo los códigos de estado.



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The screenshot shows the Power BI Query Editor interface. A context menu is open over the 'State Code Short' column in the 'States with Codes' table. The menu path 'Expand > Aggregate' is highlighted with a red arrow. The 'OK' button at the bottom of the menu is also highlighted with a red box.

27. Haga clic con el botón derecho en la columna, haga clic en **Rename**, escriba **State Code** y luego presione Enter.

The screenshot shows the Power BI Query Editor interface. A context menu is open over the 'Main-Code' column in the 'States with Codes' table. The 'Rename...' option is highlighted with a red box. The 'OK' button at the bottom of the menu is also highlighted with a red box.

28. En el menú **File**, haga clic en **Close & Apply**.



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The screenshot shows the Power BI Desktop interface with the 'AdventureWorldT Sales' dataset open. In the center, the 'States with Codes' table is displayed. The ribbon at the top has 'Table tools' selected. On the left, the 'Fields' pane shows the table structure with columns: State Name, State Code Long, and State Code Short. The right side features the 'Query Editor' with various transformation steps listed under 'APPLIED STEPS'. A red box highlights the 'Close & Apply' button in the ribbon. The 'Applied Steps' pane shows the step 'Expanded States with Codes'.

29. En el panel **Fields** (File), haga clic con el botón derecho en **States with Codes** y luego haga clic en **Hide in Report View**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorldT Sales' dataset open. In the center, the 'States with Codes' table is displayed. The right side features the 'Fields' pane, which lists several items: Customers, Sales, Sales by State, and States with Codes. A red box highlights the 'Hide in report view' option in the context menu for the 'States with Codes' item.

4.2. Construyendo Reportes en Power BI

4.2.1. Crear un Gráfico

1. En **Power BI Desktop**, en la barra de navegación izquierda, haga clic en **Report**.



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The screenshot shows the Power BI Desktop interface. The top menu bar includes File, Home, Insert, Modeling, View, Help, and various data source options. The main canvas area is labeled "Build visuals with your data" and "Select or drag fields from the Fields pane onto the report canvas." A small icon of a gauge is visible on the canvas. The right side features the "Visualizations" pane with a grid of visual icons and the "Fields" pane which lists all available data fields categorized by table (e.g., Customers, Sales, Products, etc.). A red box highlights the "Gauge" icon in the Visualizations pane.

2. En el panel **Visualizations**, haga clic en **Gauge**.

This screenshot is similar to the previous one, but the "Gauge" icon in the Visualizations pane is now highlighted with a red box. The rest of the interface remains the same, showing the Fields pane and the canvas with the gauge icon.

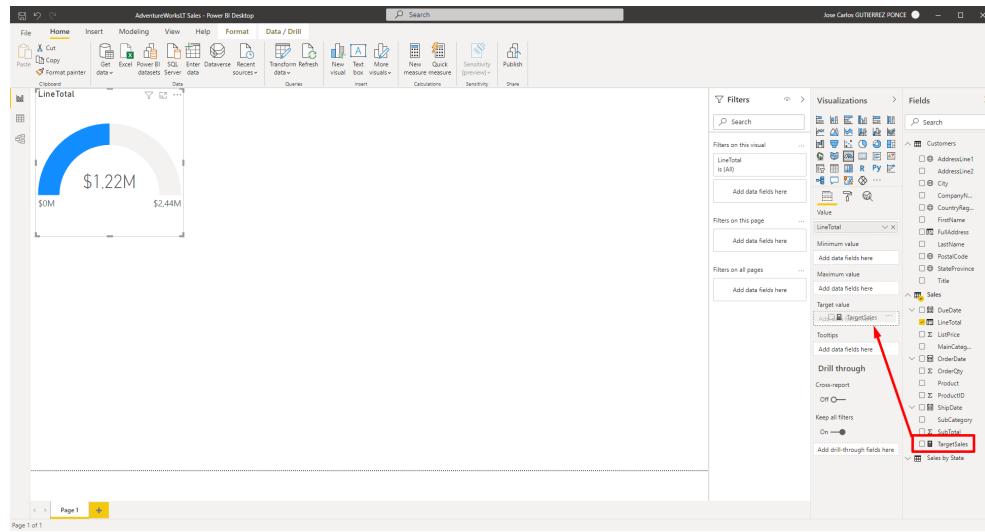
3. Arrastre el campo **LineTotal** de la tabla **Sales** a la propiedad **Value** del indicador.

The screenshot shows the Power BI Desktop interface with a gauge visual already placed on the canvas. The "Value" property of the gauge is currently set to "LineTotal". A red box highlights the "LineTotal" field in the "Value" dropdown menu. The Fields pane on the right shows the "Sales" table expanded, with "LineTotal" listed under it. Other properties like "Minimum value", "Maximum value", and "Target value" are also visible in the gauge's property pane.

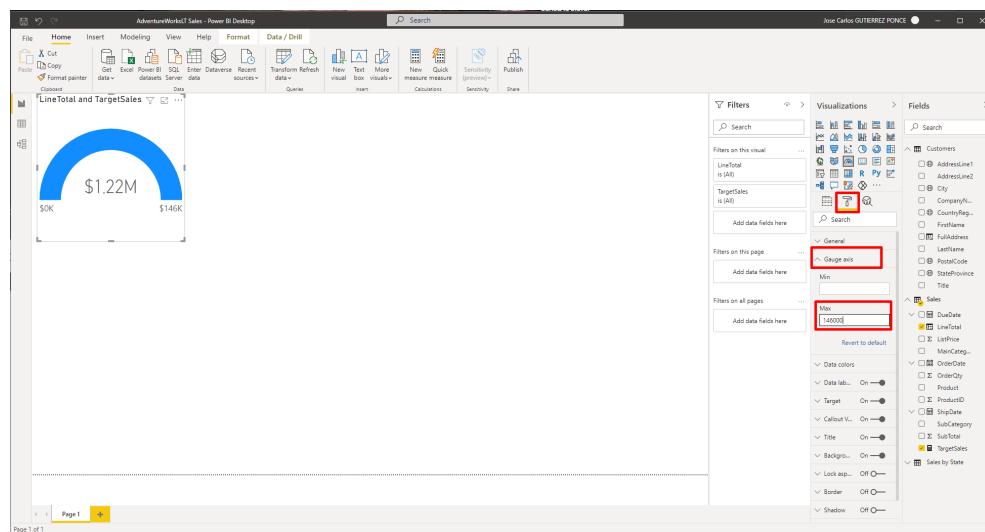


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4. Arrastre la medida **TargetSales** de la tabla **Sales** a la propiedad **Targetvalue** del indicador.



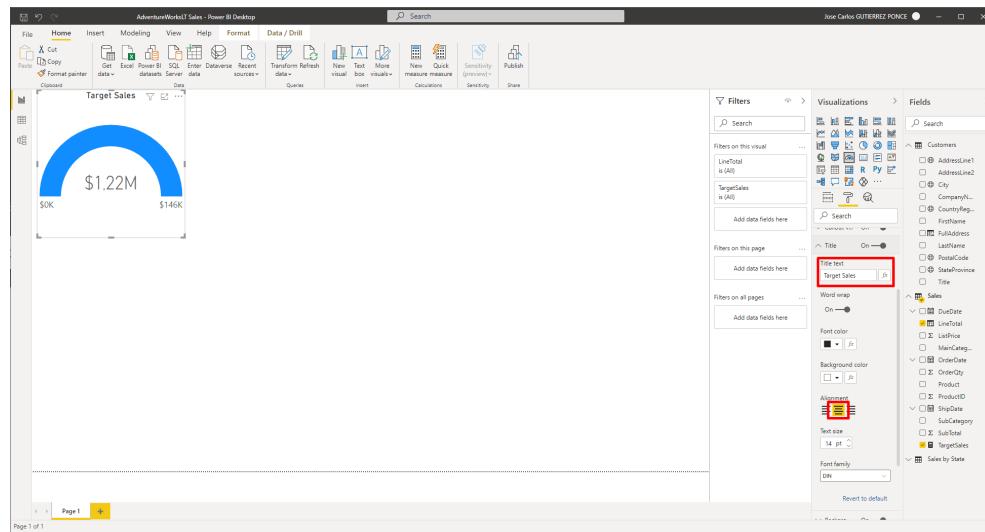
5. Haga clic en **Format**, expanda **Gauge axis** y, a continuación, en el cuadro **Máx**, escriba **146000**.



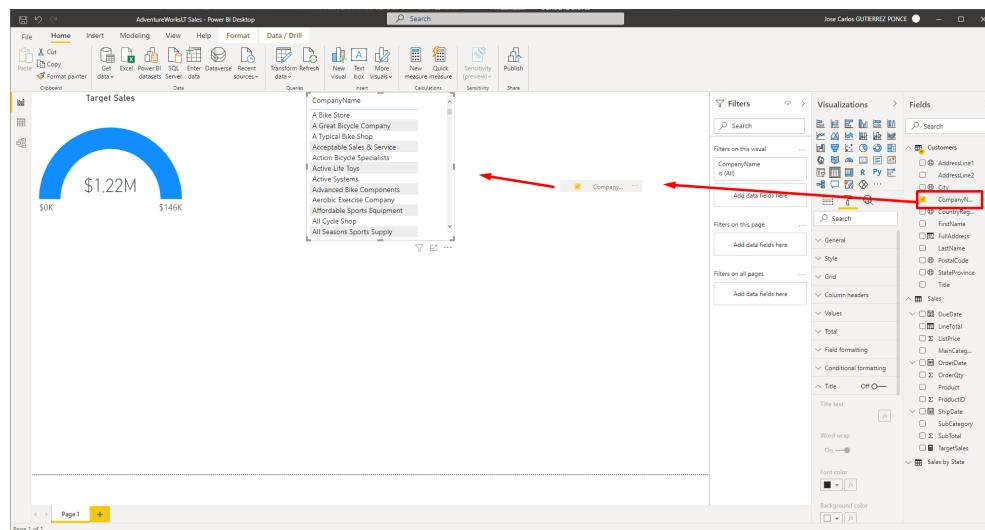
6. Expanda **Title**, en el cuadro **Title Text**, escriba **Target Sales** y luego haga clic en **Center**.



INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI



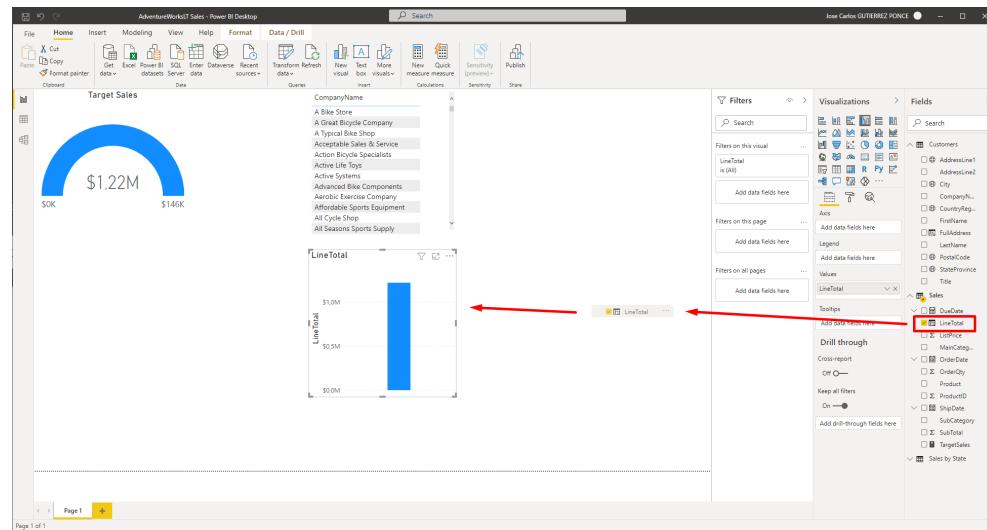
7. Haga clic en el lienzo del informe y luego arrastre el campo **CompanyName** de la tabla **Customers** al informe. Power BI crea automáticamente una tabla.



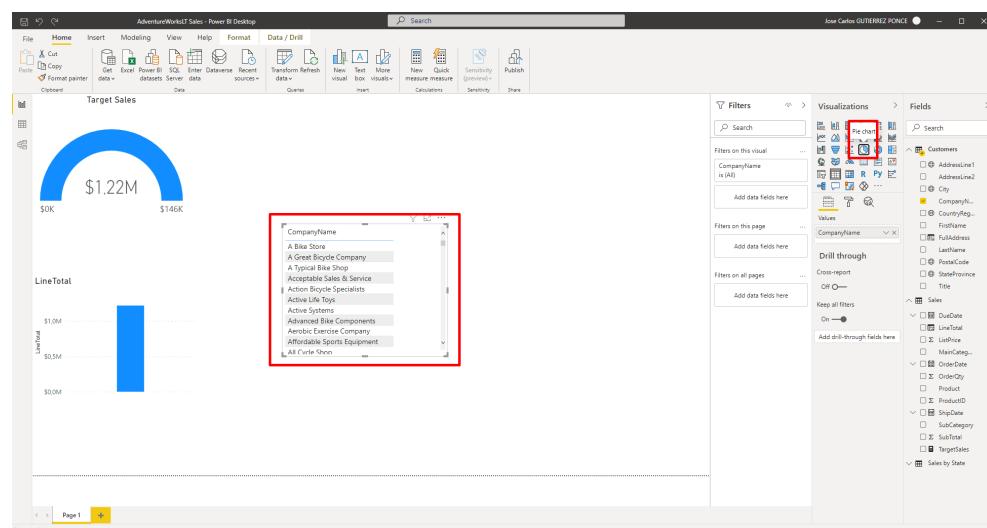
8. Arrastre el campo **LineTotal** de la tabla **Sales** al informe.



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9. Asegúrese de que la tabla tenga el foco y, a continuación, en el panel **Visualizations**, haga clic en **Pie chart**.



10. Expanda el gráfico para hacer visibles todos los nombres de las empresas utilizando los controladores de tamaño en el borde del gráfico.



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The screenshot shows the Power BI Desktop interface with two visualizations: a circular gauge chart titled 'Target Sales' and a bar chart titled 'LineTotal'. The Fields pane on the right is open, and a red box highlights the 'CompanyName' field under the 'Company' category. Other visible fields include 'AddressLine1', 'AddressLine2', 'City', 'CountryRegion', 'FirstName', 'LastName', 'PostalCode', 'StateProvince', 'Title', 'Sales', 'OrderDate', 'LineTotal', 'ListPrice', 'MainCategory', 'OrderQty', 'ProductID', 'ShipDate', 'SubCategory', 'SubTotal', 'TargetSales', and 'Sales by State'.

11. Con el foco aún en el gráfico circular, haga clic en **Format** y luego expanda **Tilte**.

The screenshot shows the Power BI Desktop interface with the same two visualizations. The Format pane is open, and a red box highlights the 'Title' field under the 'Text' section. Other visible fields in the Format pane include 'Word wrap', 'Background color', 'Font color', 'Font size', 'Font family', and 'Revert to default'.

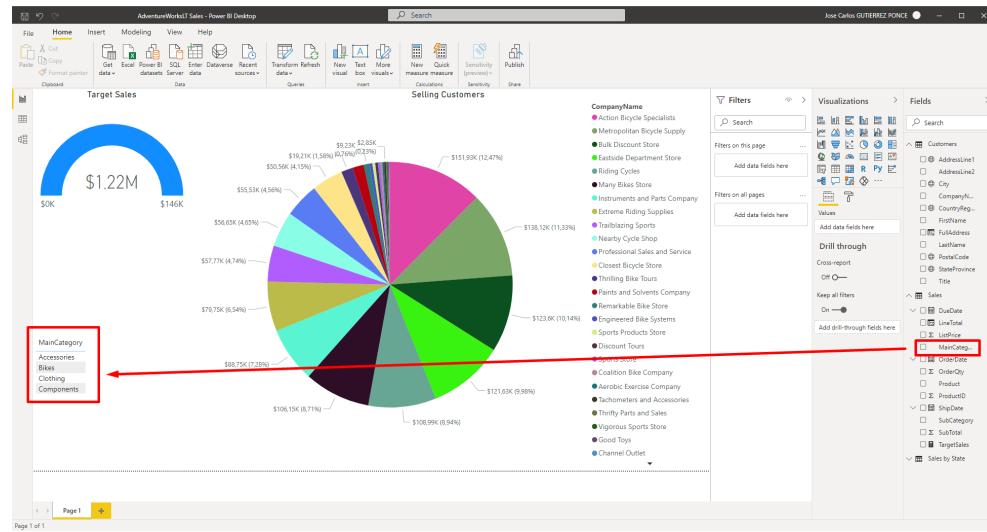
12. En el cuadro **Title Text**, escriba **Top Selling Customers** y luego haga clic en **Center**.

The screenshot shows the Power BI Desktop interface with the same two visualizations. The Format pane is open, and a red box highlights the 'Text' field under the 'Title text' section. The text 'Top Selling Customers' is entered into this field. Other visible fields in the Format pane include 'Word wrap', 'Background color', 'Font color', 'Font size', 'Font family', and 'Revert to default'.

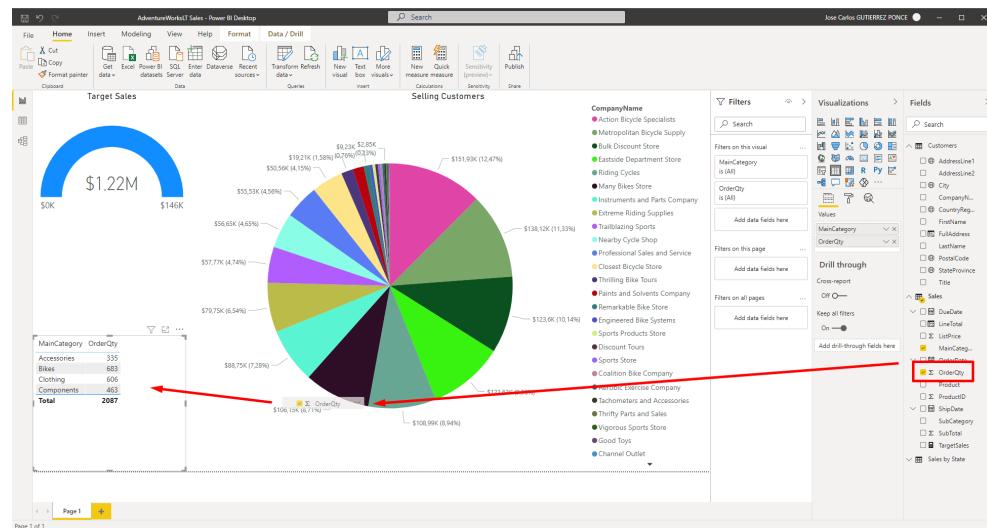


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13. Arrastre el campo **MainCategory** de la tabla **Sales** al panel del informe. Power BI crea una tabla.



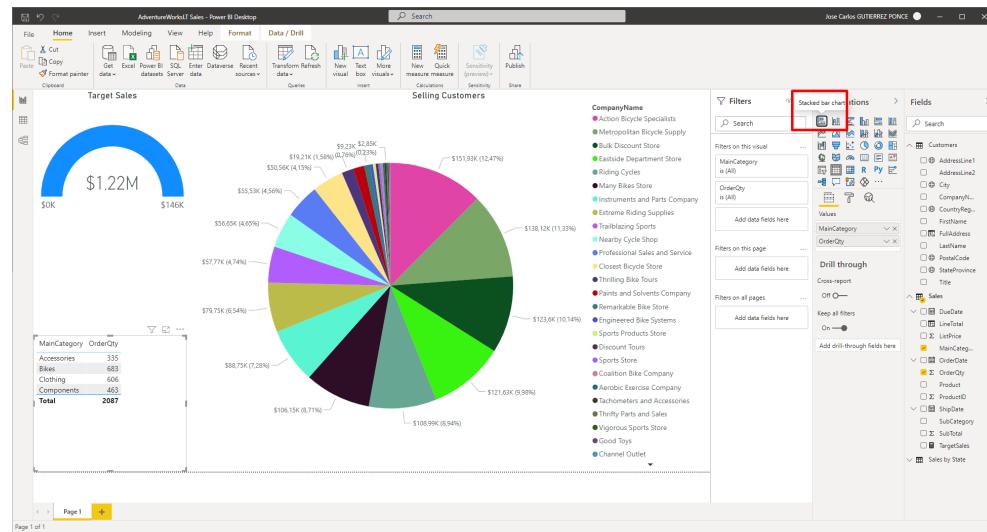
14. Arrastre el campo **OrderQty** a la tabla.



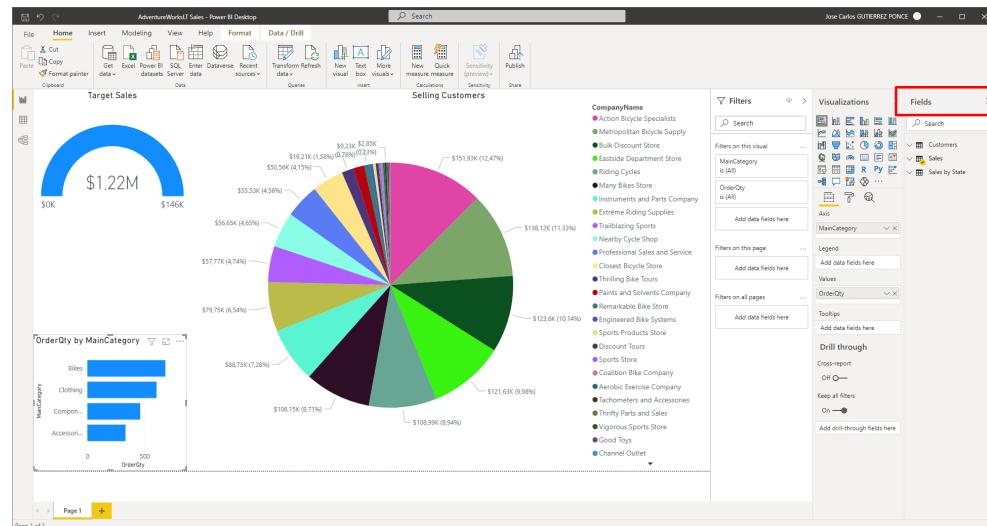
15. En el panel **Visualizations**, haga clic en **Stacked bar chart**.



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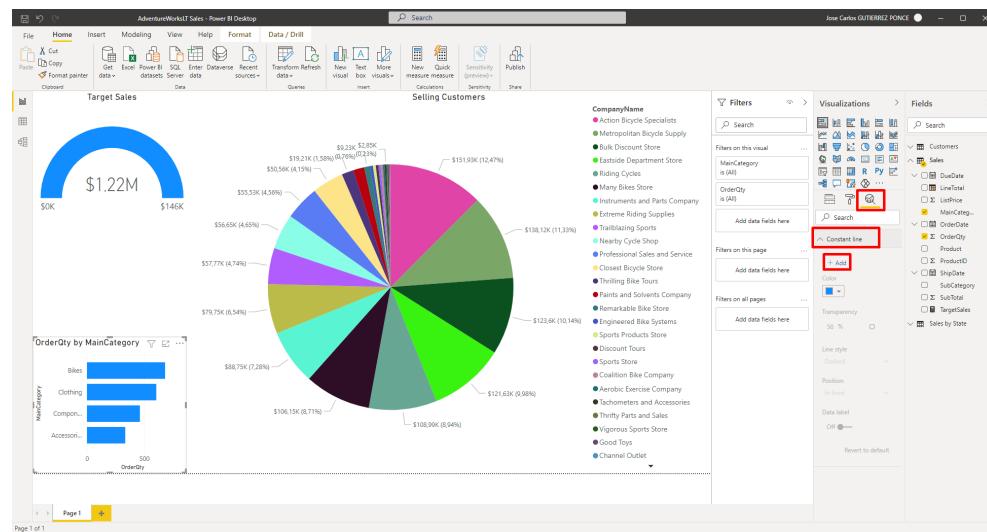
16. En el panel **Visualizations**, haga clic en **Fields**.



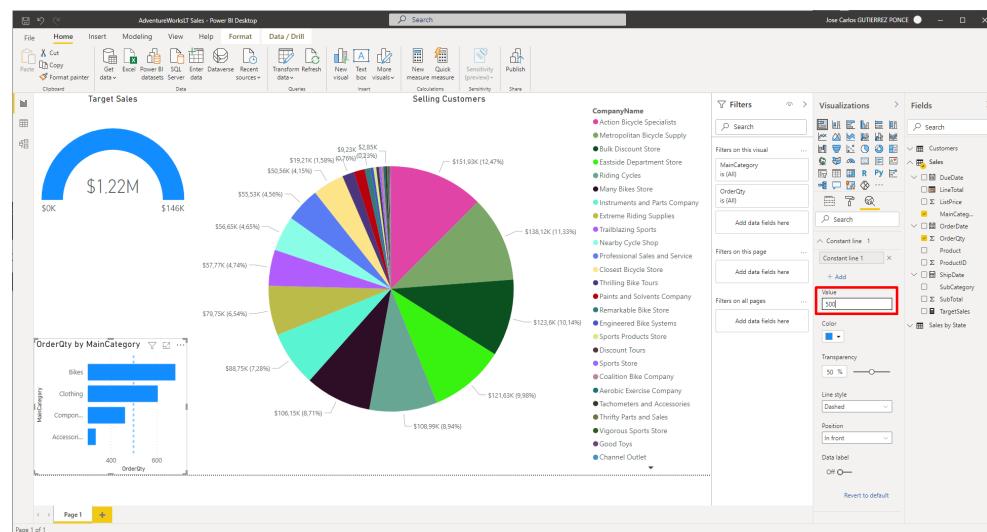
17. En el panel **Visualizations**, haga clic en **Analytics**, expanda **Constant Line** y luego haga clic en **Add**.



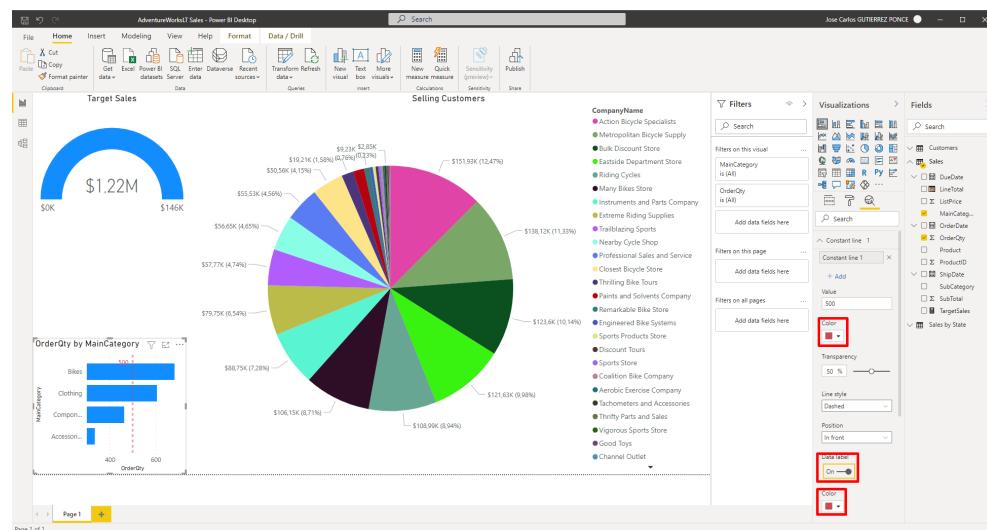
INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI



18. En el cuadro Value, escriba 500.



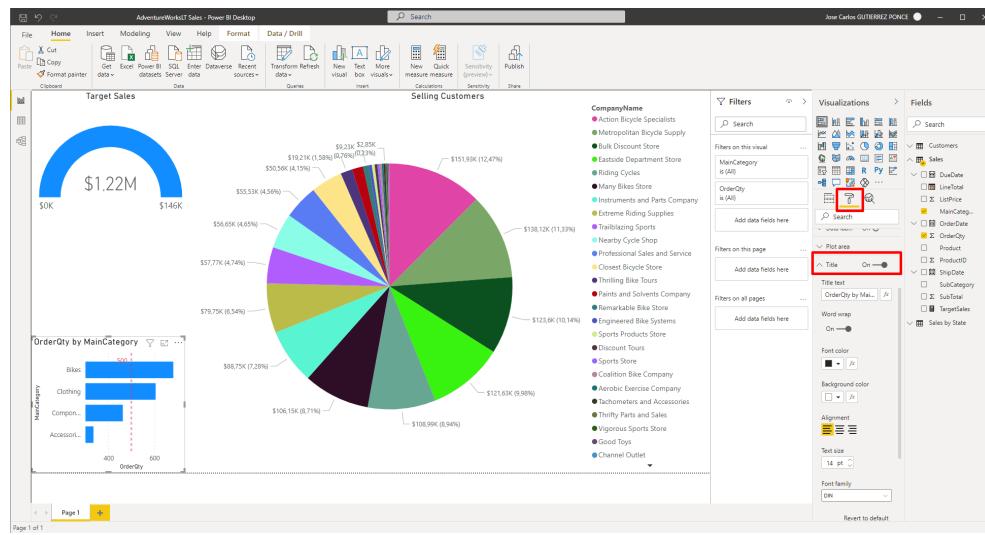
19. Cambie Color a rojo, cambie Data label a On y luego cambie el color a red.



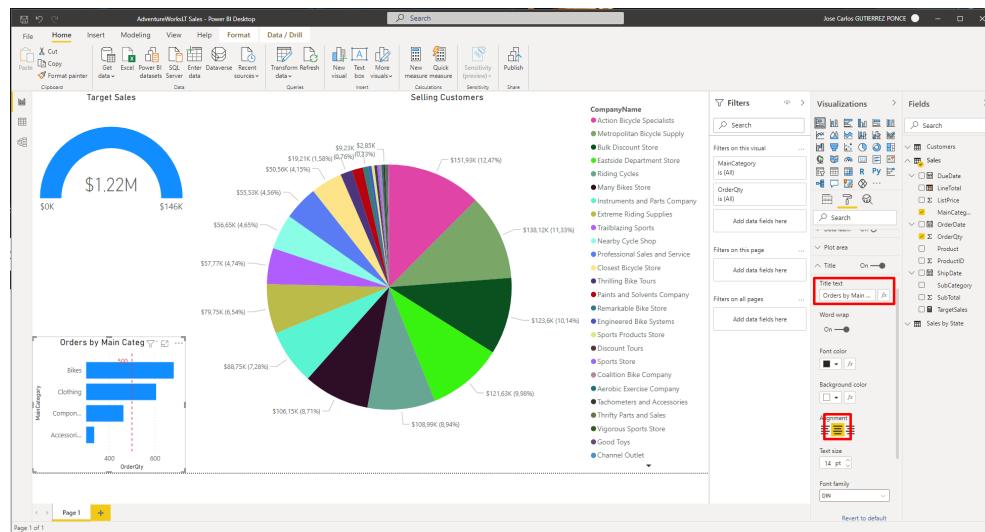


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20. En el panel **Visualizations**, haga clic en **Format** y expanda Tilte.



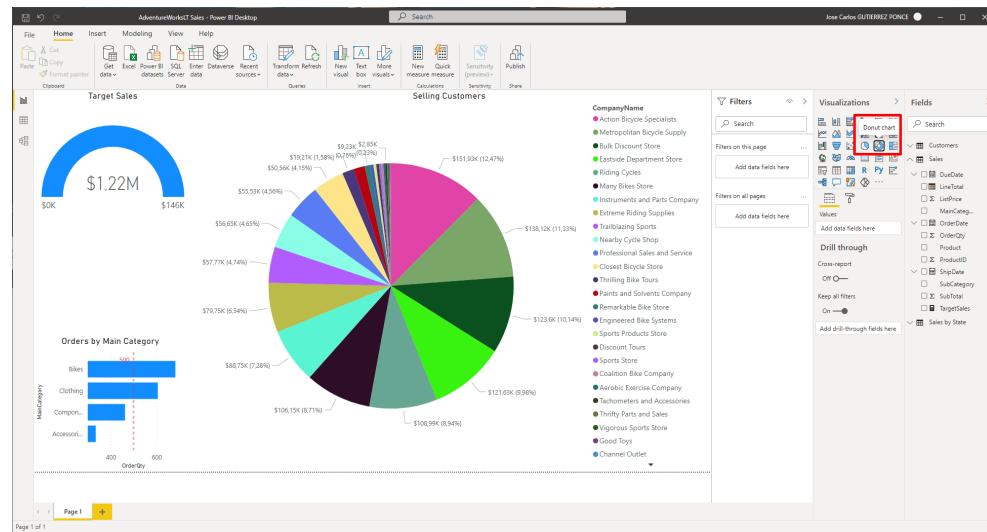
21. En el cuadro **Title Text**, escriba **Orders by Main Category** y luego haga clic en **Center**.



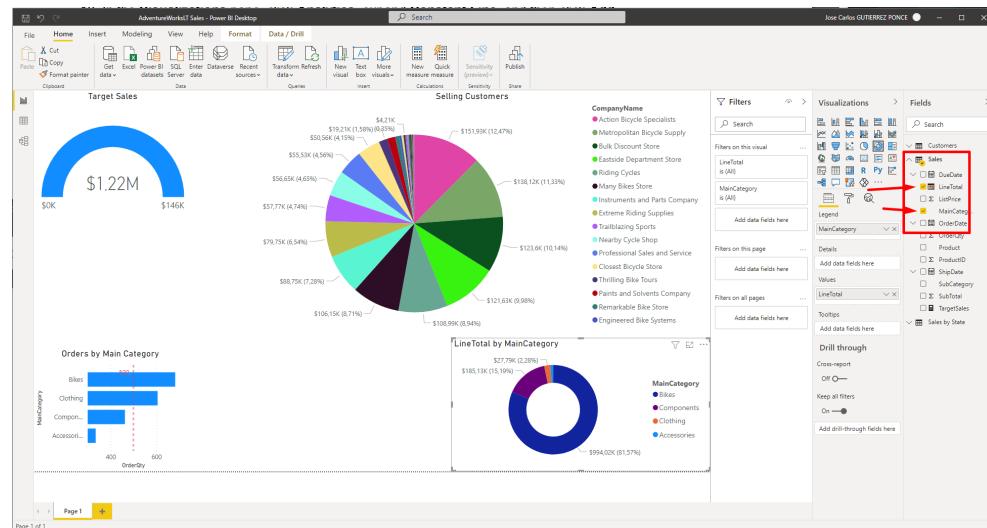
22. Haga clic en el lienzo del informe para enfocarlo y, a continuación, en el panel **Visualizations**, haga clic en **Donut chart**.



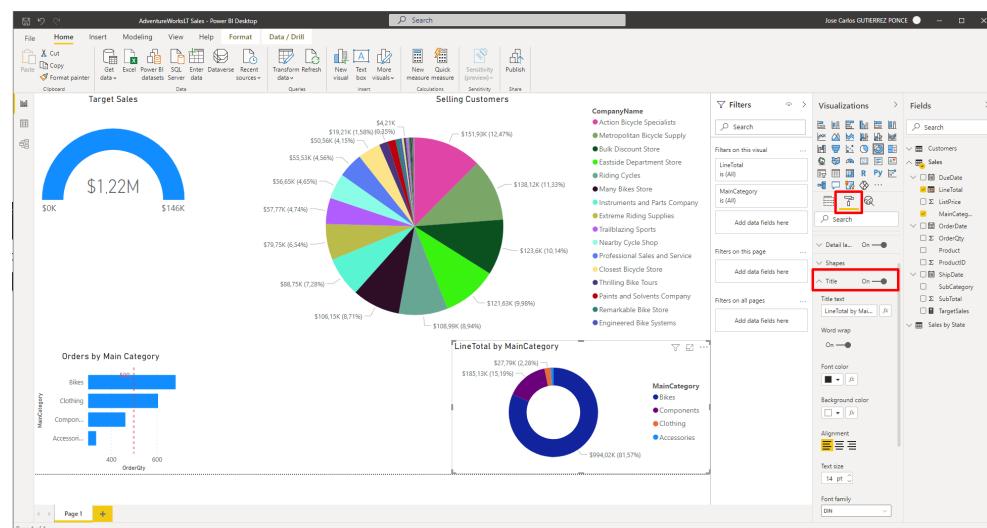
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23. En la tabla Sales, seleccione MainCategory y LineTotal.



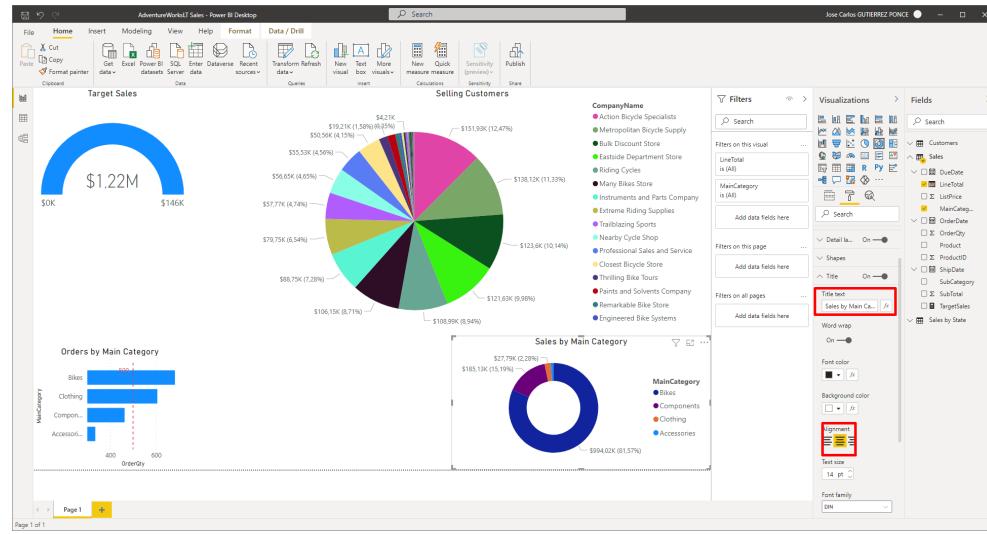
24. En el panel Visualizations, haga clic en Format y luego expanda Title.



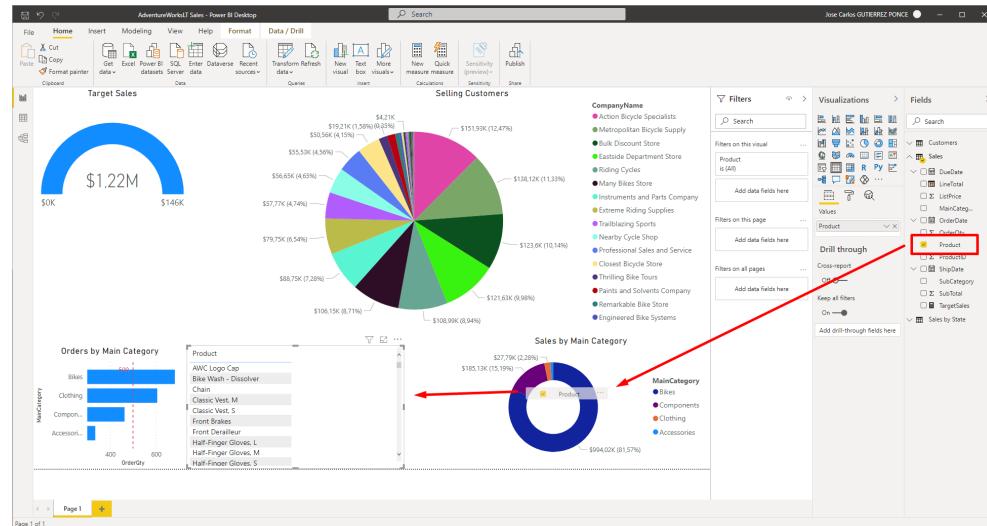


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25. En el cuadro **Title Text**, escriba **Sales by Main Category** y luego haga clic en **Center**.



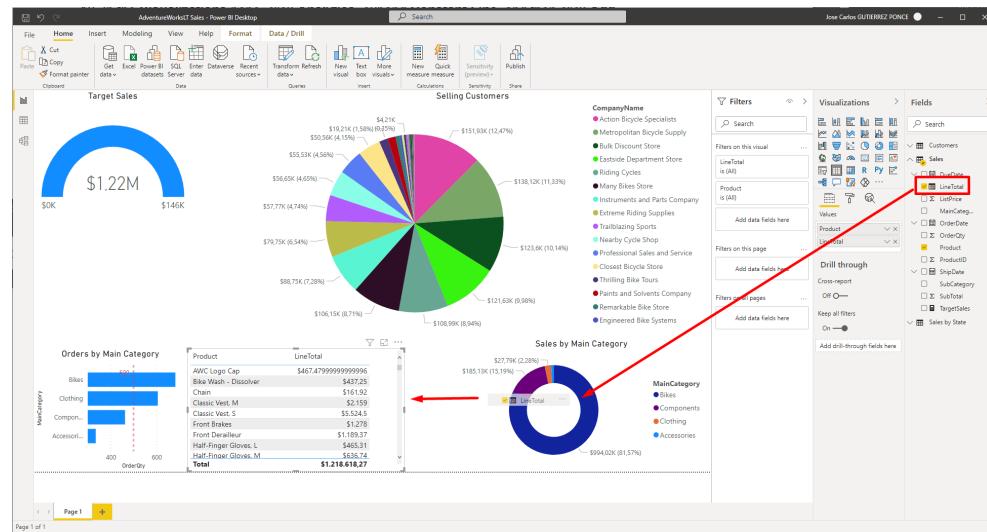
26. Arrastre el campo **Product** de la tabla **Sales** al lienzo del informe. Power BI crea una tabla.



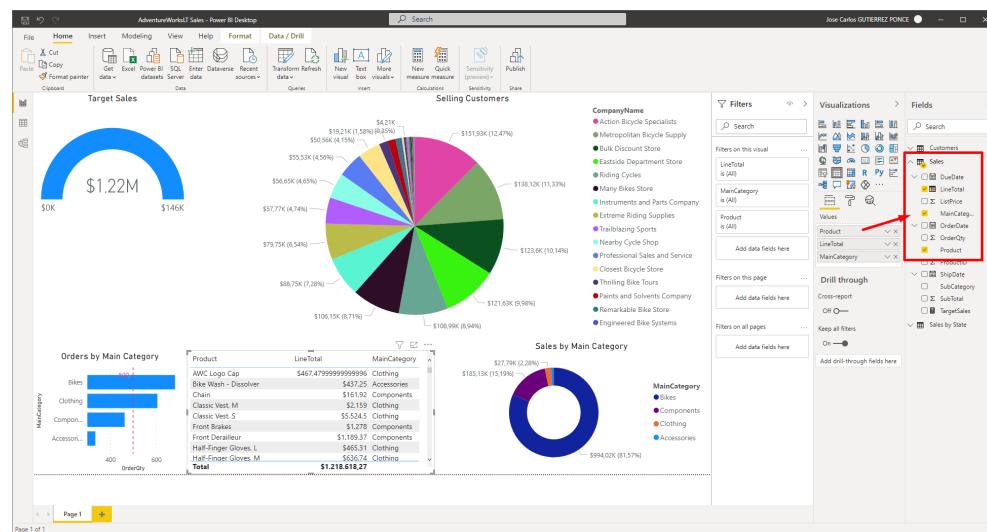
27. Arrastre el campo **LineTotal** de la tabla **Sales** al gráfico de tabla de productos.



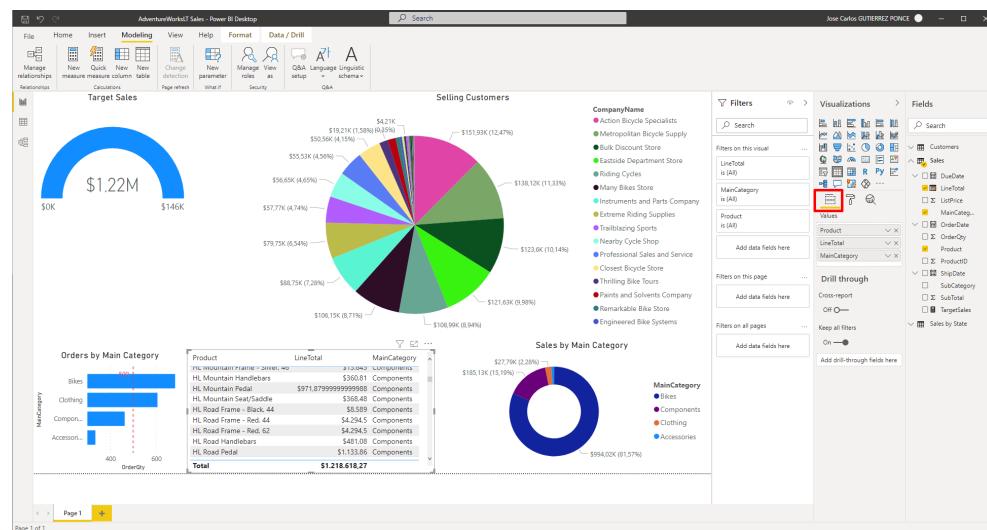
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28. En la tabla Sales, seleccione el campo MainCategory.



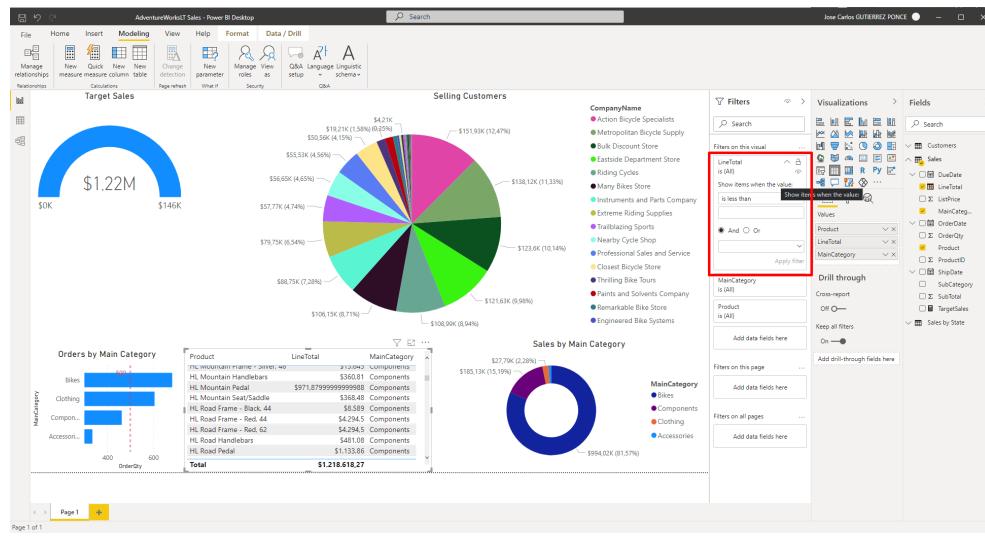
29. En el panel Visualizations, haga clic en Fields.



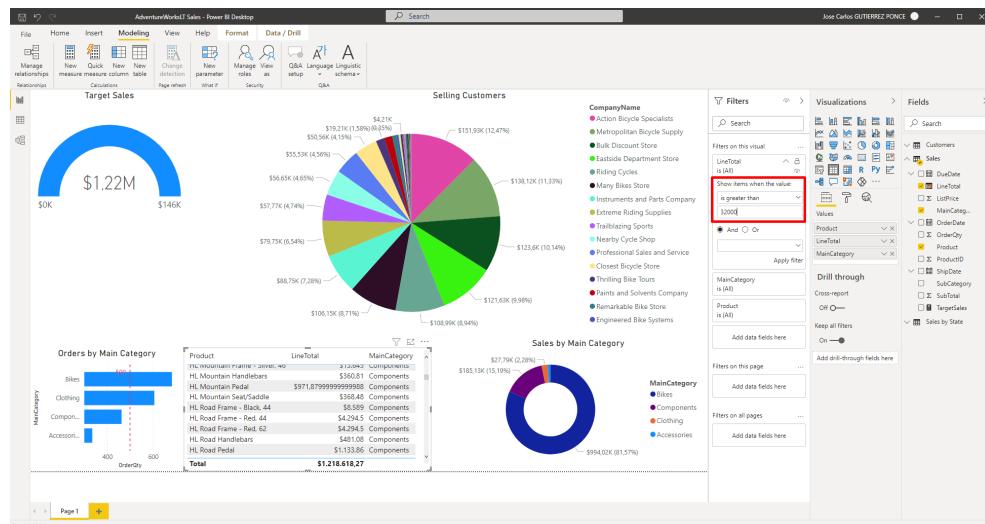


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30. En el panel Filters, expanda LineTotal(All).



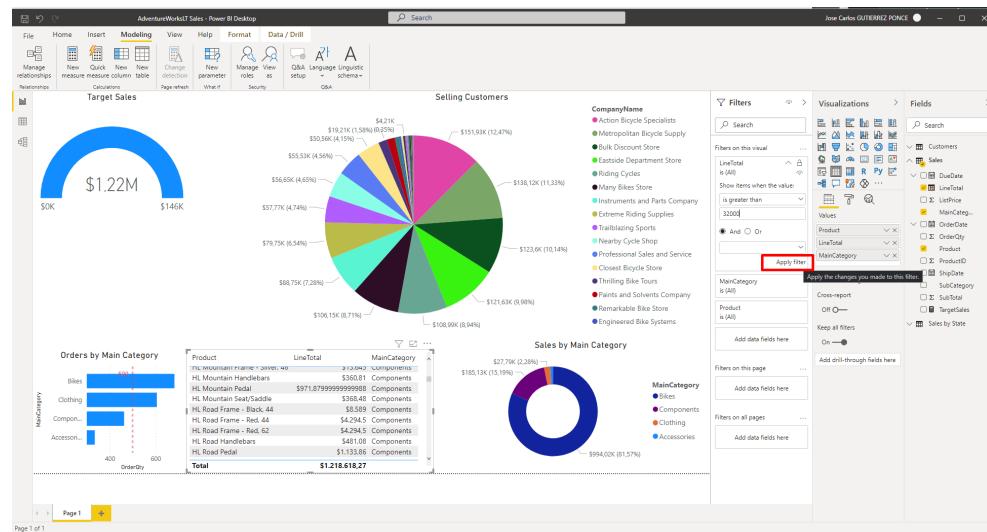
31. En la lista Show items when the value, seleccione is greater than y, a continuación, en el cuadro siguiente, escriba 32000.



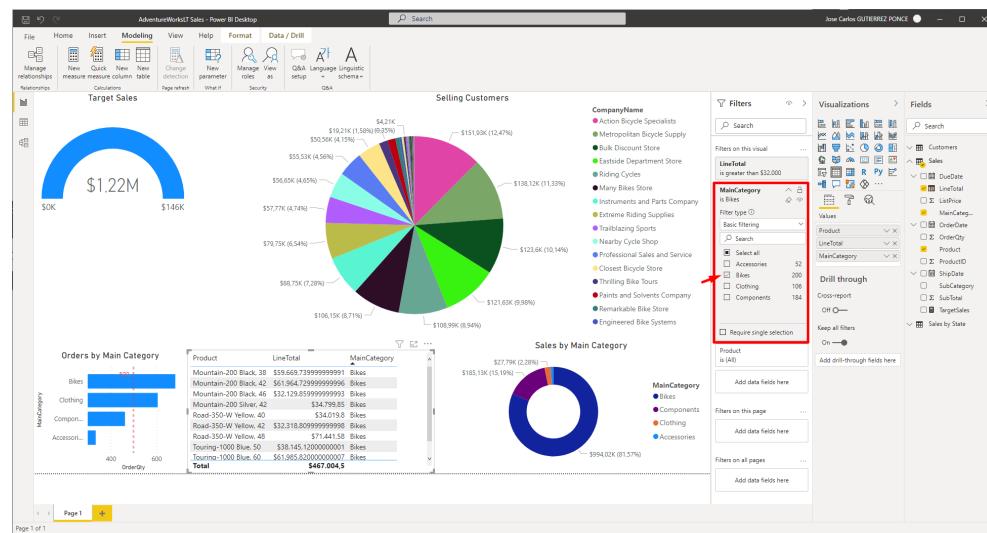
32. Haga clic en Apply filter.



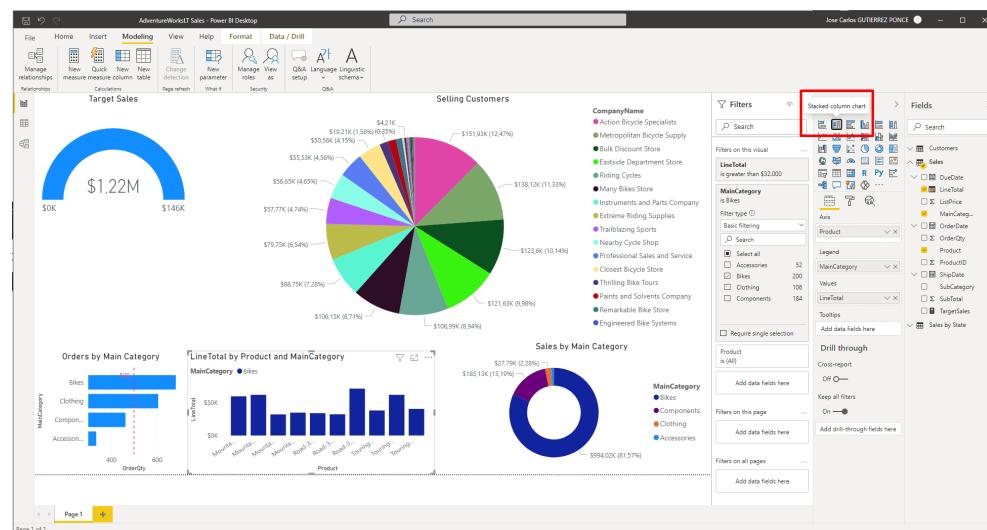
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33. Expanda MainCategory(All) y luego seleccione Bikes.



34. En el panel Visualizations, haga clic en Stacked column chart.





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35. En el panel **Visualizations**, haga clic en **Format** y luego expanda **Title**.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' dataset. In the top navigation bar, 'Format' is selected under the 'Modeling' tab. On the right side, the 'Visualizations' pane is open, and the 'Title' section is expanded, showing options like 'Search', 'Title text', and 'Orientation'. A red box highlights the 'Title text' input field, which contains the text '\$1.22M'. Below the title, there are four visualizations: a gauge chart 'Target Sales' showing \$1.22M, a pie chart 'Selling Customers' by company name, a bar chart 'Orders by Main Category' for Bikes, Clothing, Components, and Accessories, and a donut chart 'Sales by Main Category'.

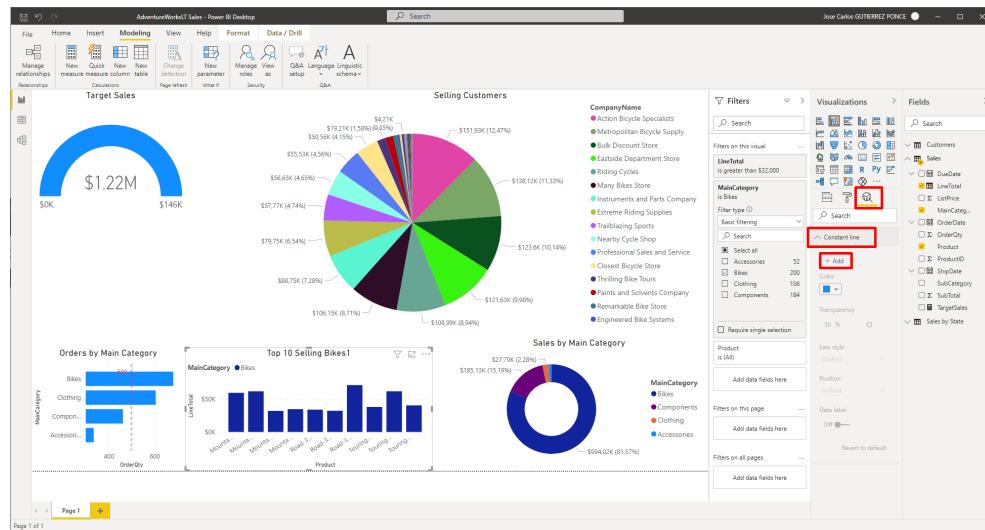
36. En el cuadro **Title Text**, escriba **Top 10 Selling Bikes1** y luego haga clic en **Center**.

This screenshot is similar to the previous one, but the 'Title text' input field now contains the text 'Top 10 Selling Bikes1'. The rest of the interface and visualizations remain the same.

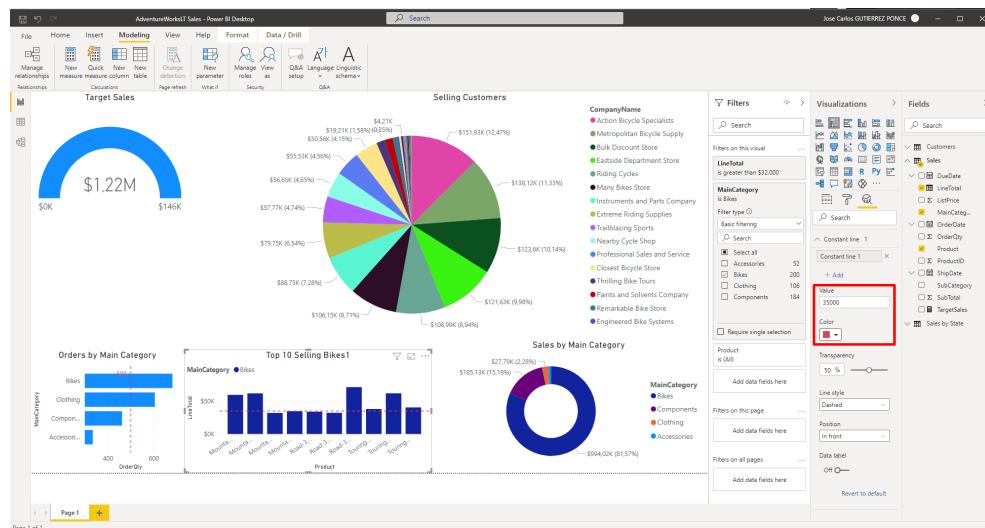
37. En el panel **Visualizations**, haga clic en **Analytics**, expanda **Constant Line** y luego haga clic en **Add**.



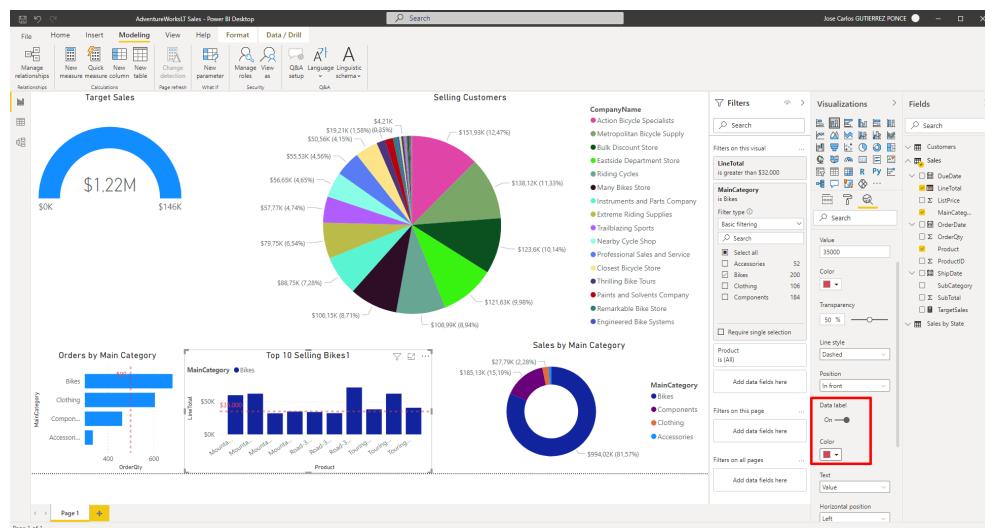
INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI



38. En el cuadro Value, escriba 35000 y luego establezca Color en red.



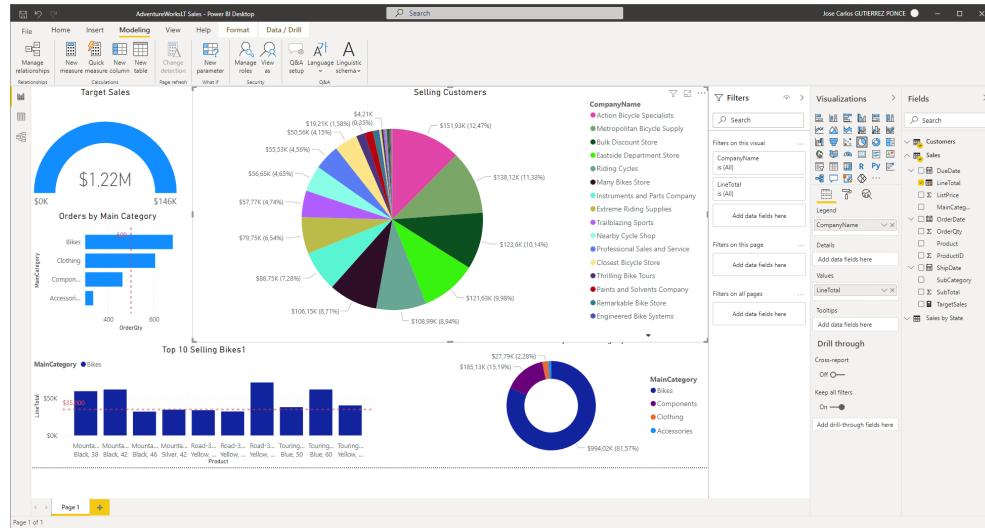
39. Cambie Data label a On y luego establezca Color en red.



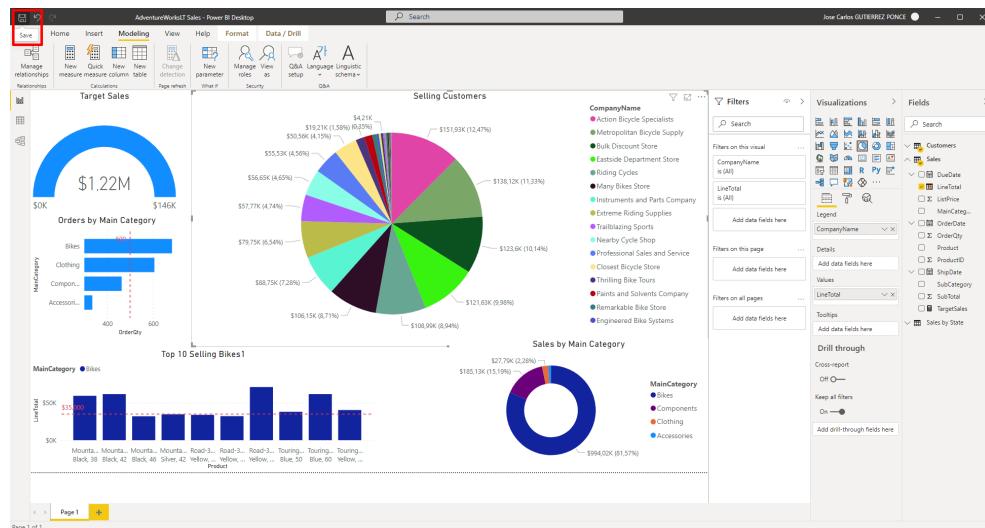


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40. Expanda el gráfico para llenar el espacio restante en el lienzo del informe. Si es necesario, mueva sus imágenes para que encajen.



41. Clic en Save.

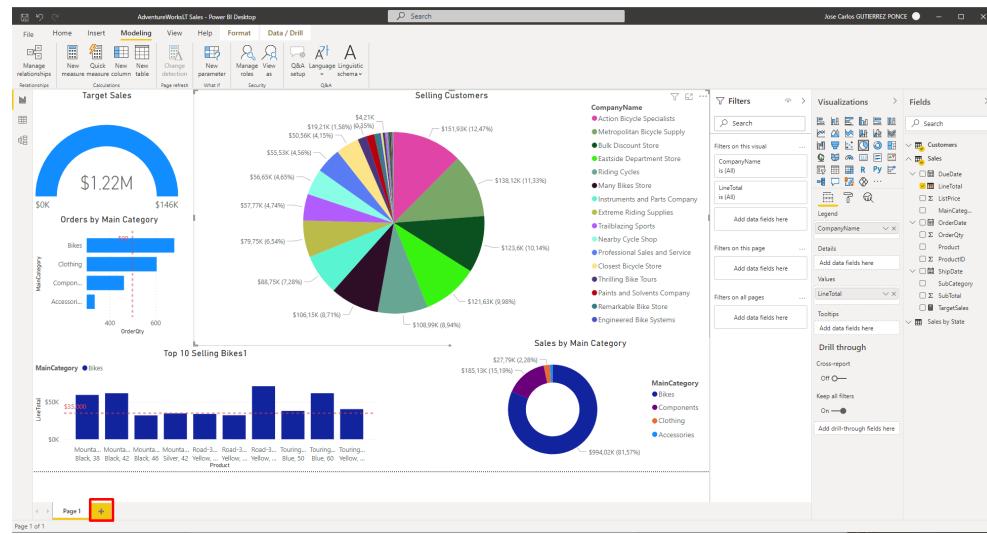


4.2.2. Crear una Visualización de Mapa

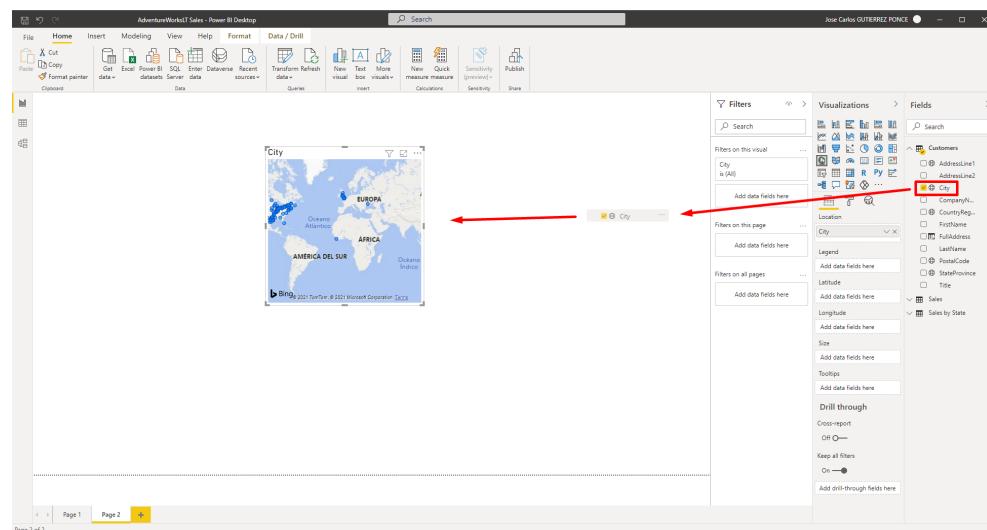
1. En la parte inferior del informe, haga clic en el ícono + para agregar una nueva página.



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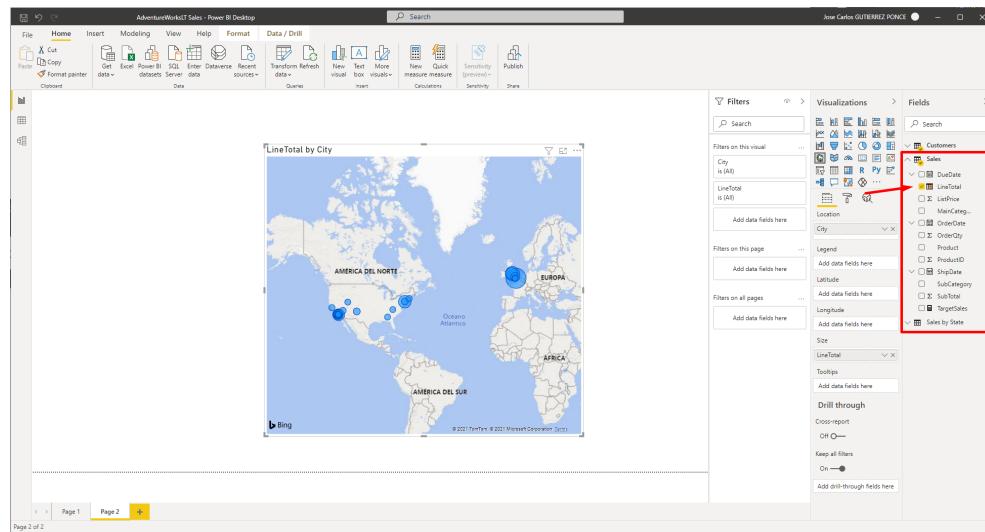
2. En el panel **Fields**, en la tabla **Customers**, seleccione el campo **City**. Power BI agrega un mapa al informe.



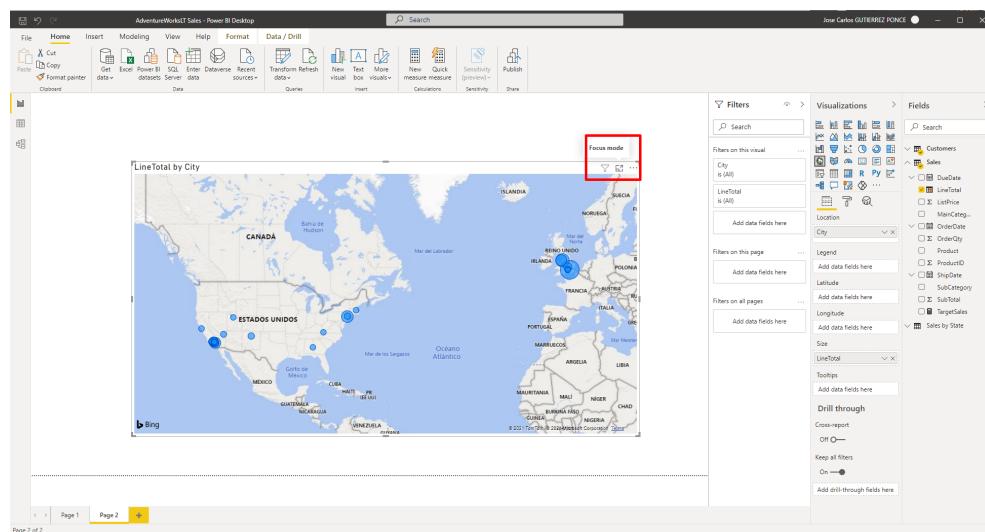
3. En el panel **Fields**, en la tabla **Sales**, seleccione el campo **LineTotal**.



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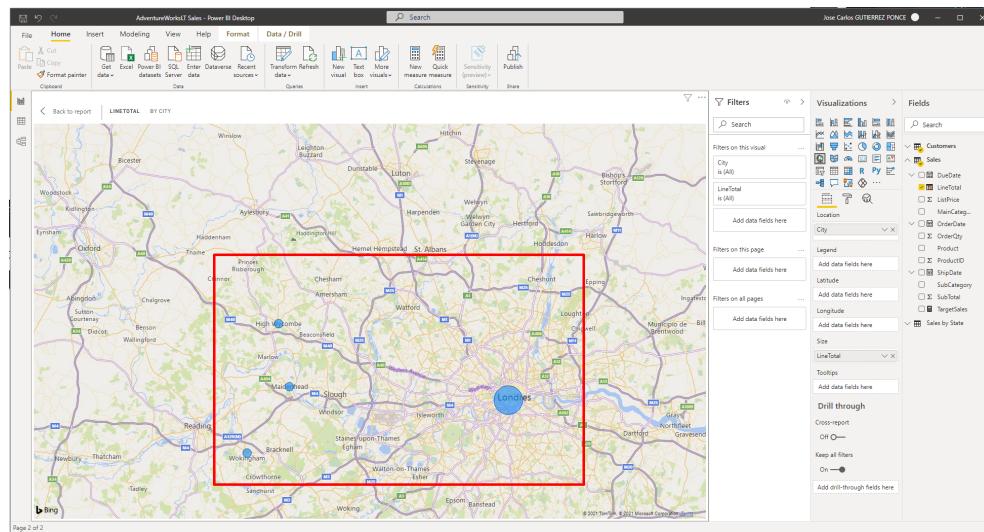
4. Con la herramienta de captura en el lado derecho del gráfico, cambie el tamaño del mapa para mostrar todas las burbujas.



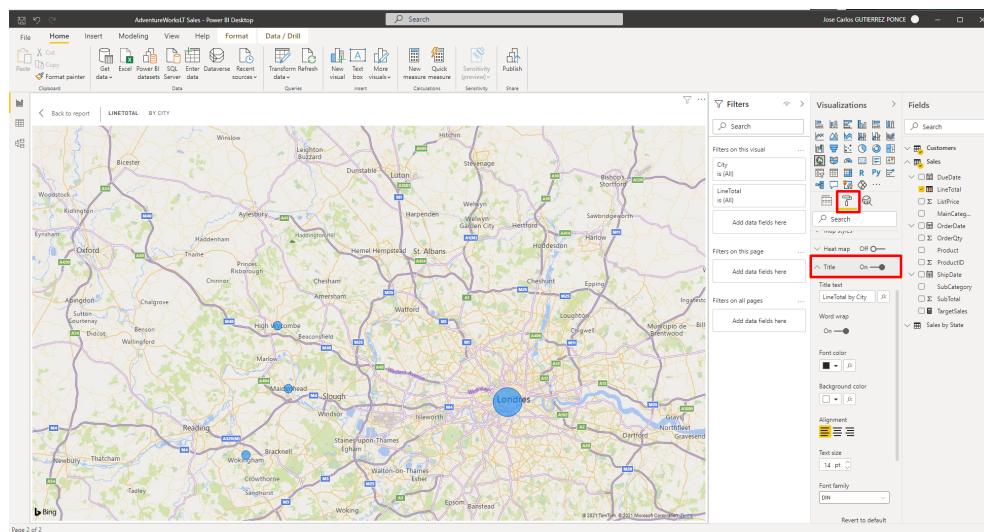
5. Observe que las burbujas tienen un tamaño proporcional para representar los datos.



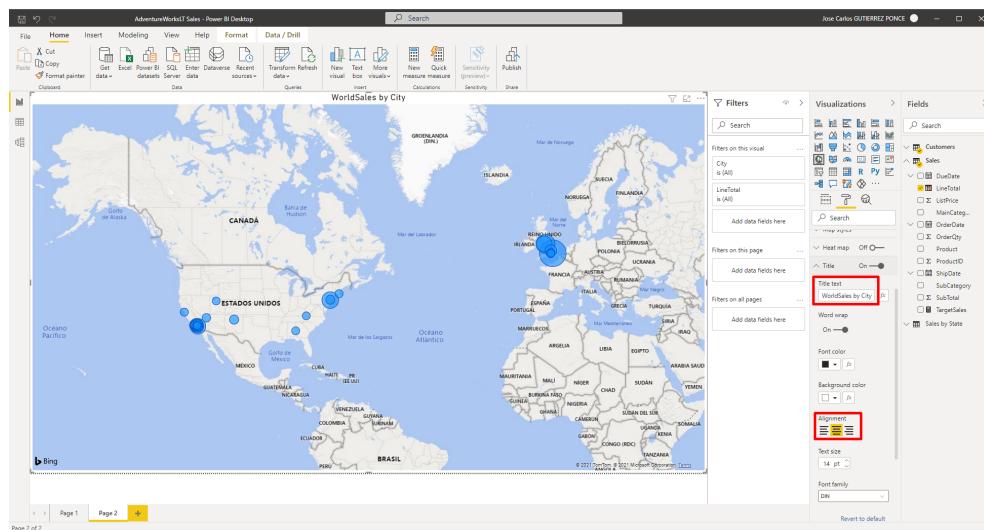
INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI



6. En el panel **Visualizations**, haga clic en **Format** y luego expanda **Title**.



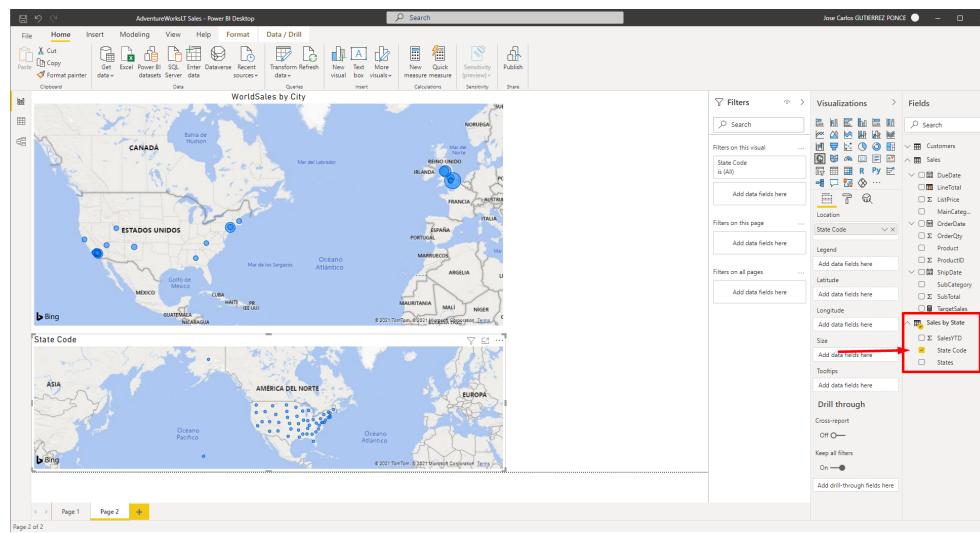
7. En el cuadro **Title Text**, escriba **WorldSales by City** y luego haga clic en **Center**.



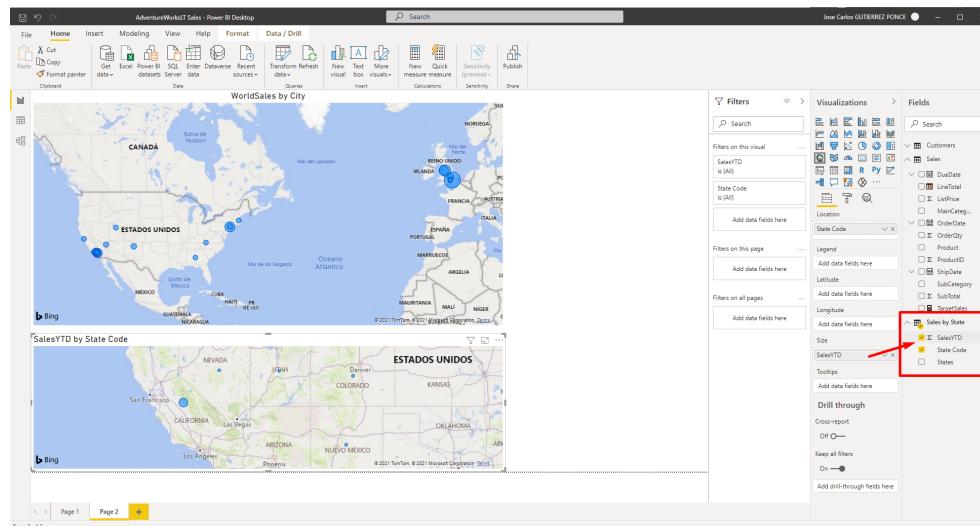


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8. Haga clic en el lienzo del informe y, a continuación, en la tabla **Sales by State**, seleccione la columna **State Code**. Power BI agrega automáticamente un mapa.



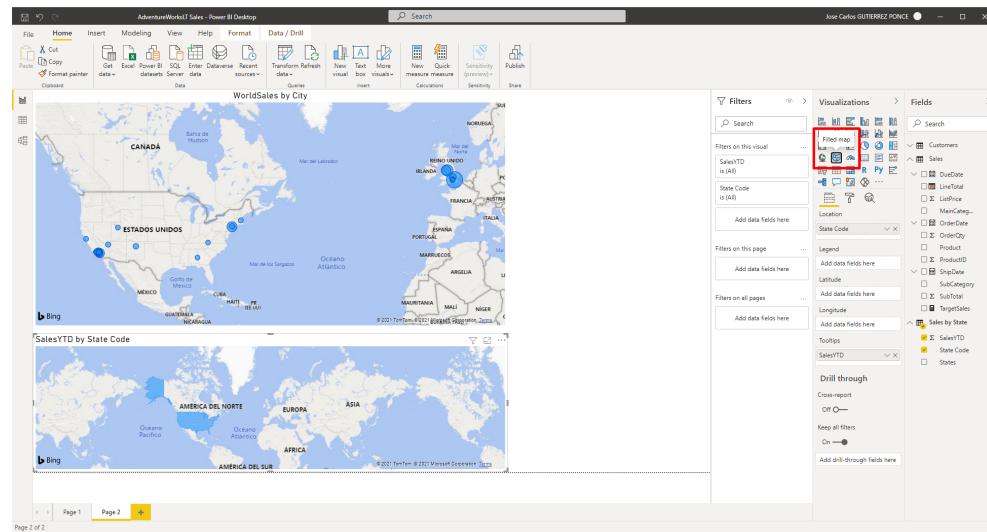
9. En la tabla **Sales by State**, seleccione la columna **SalesYTD**.



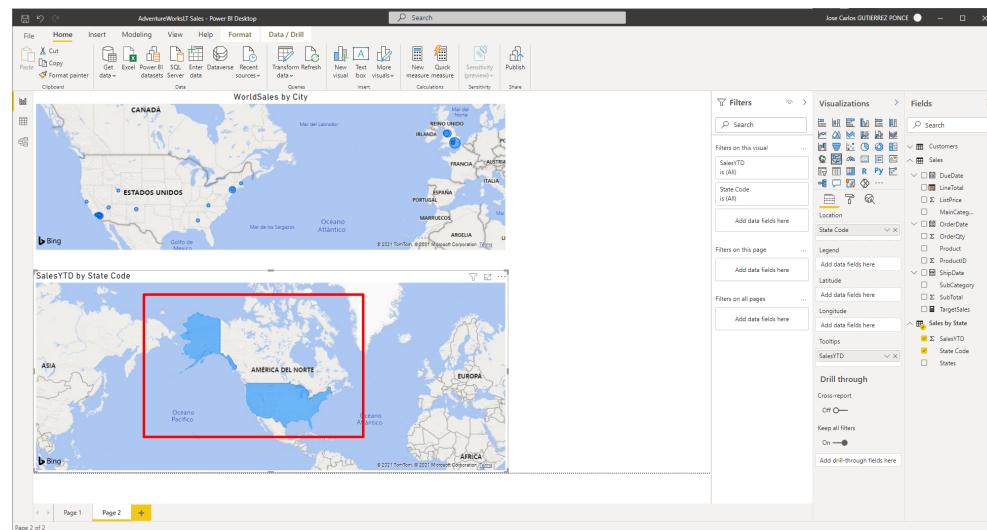
10. En el panel **Visualizations**, haga clic en **Filled Map**. Usando la herramienta de captura en el lado derecho y en la parte inferior del gráfico, cambie el tamaño del mapa para mostrar todos los estados.



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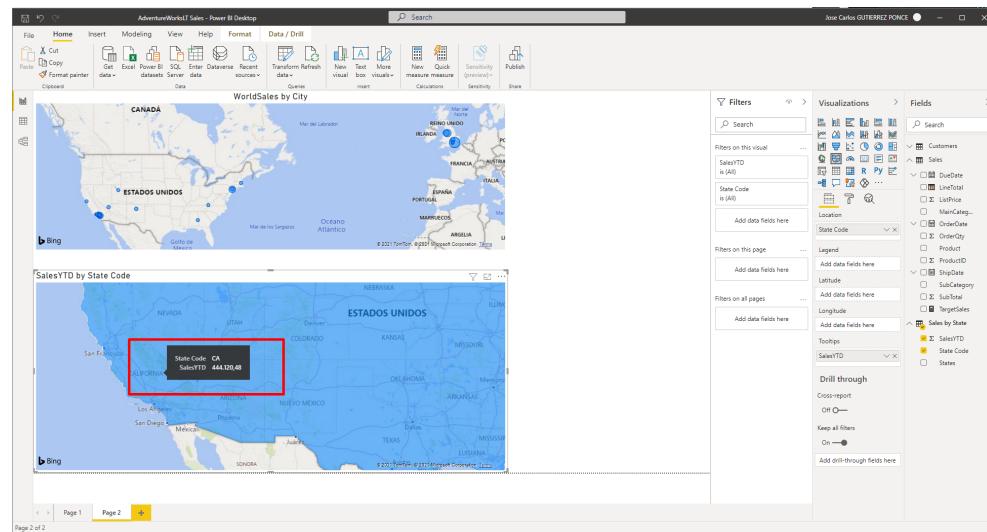
11. Observe que las ventas se agrupan en un área.



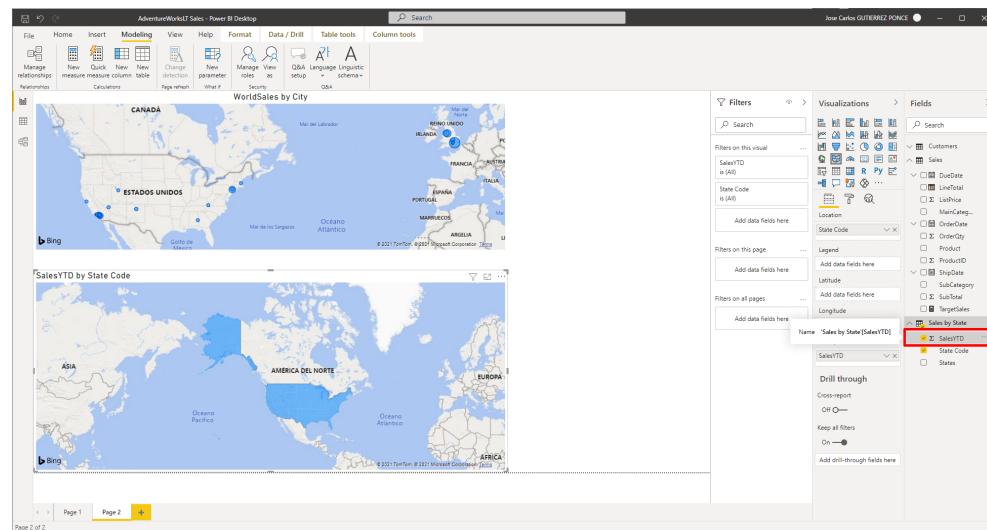
12. Coloque el cursor en **US-CA** para ver la cifra de ventas. El valor no se ha formateado como moneda.



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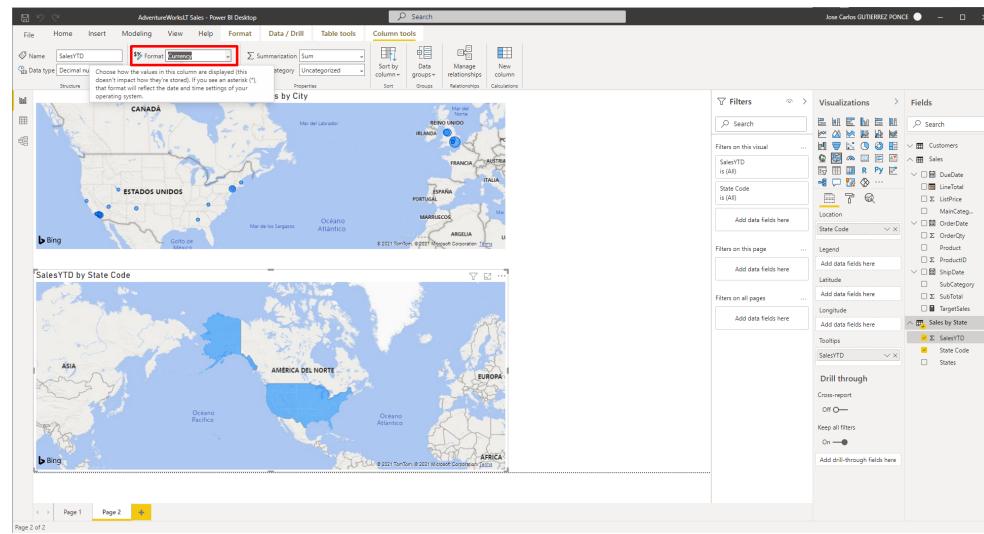
13. En el panel **Fields**, en **Sales by State**, haga clic en **SalesYTD**.



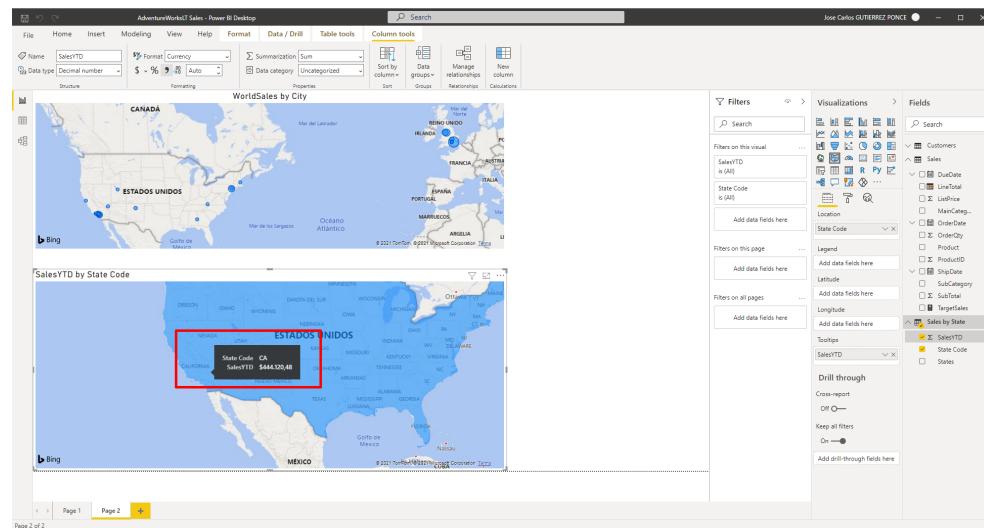
14. En la cinta de **Modeling**, haga clic en **Format: General**, señale **Currency** y luego haga clic en **\$ English (United Stated)**.



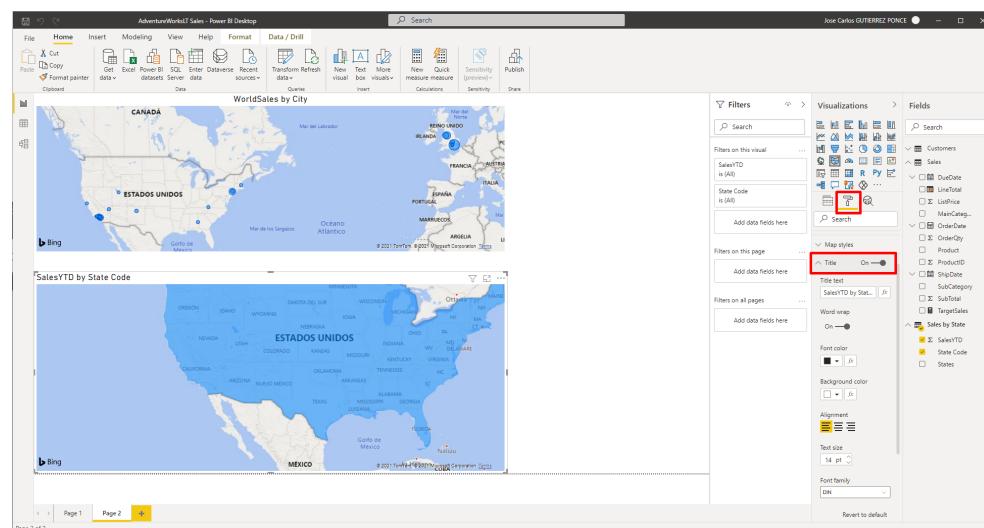
INFORME DE LABORATORIO N° 03 - CREANDO REPORTE INTERACTIVO CON POWER BI



15. Coloque el cursor en **US-CA** en el mapa y observe que el valor ha sido formateado.



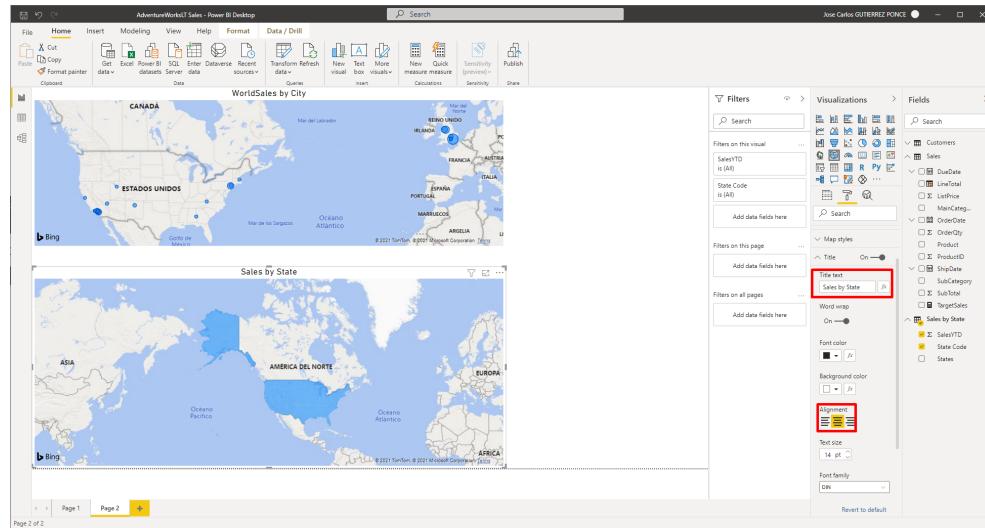
16. **Visualizations**, haga clic en **Format** y luego expanda **Title**.



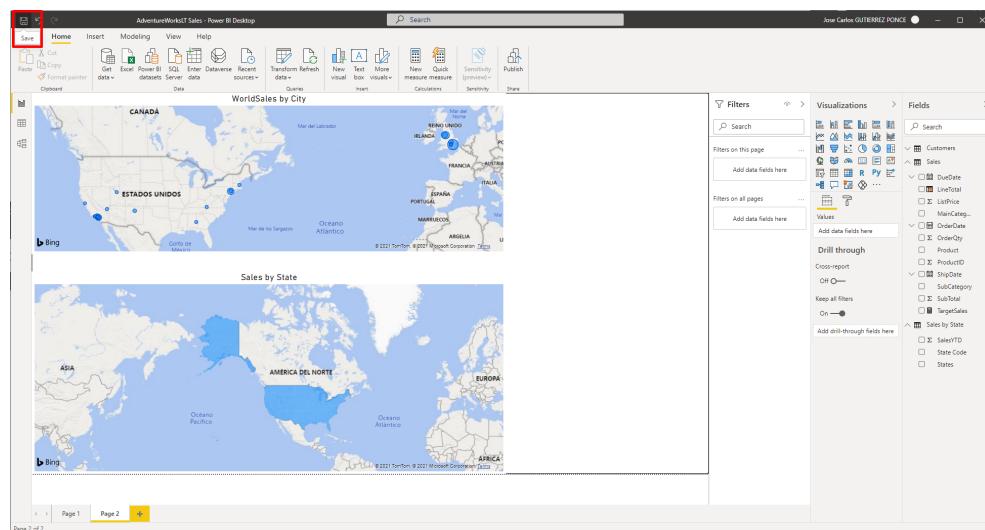


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17. En el cuadro **Title Text**, escriba **Sales by State** y luego haga clic en **Center**.



18. Haga clic en **Save** y deje el informe abierto para el siguiente ejercicio.





5. CONCLUSIONES

- La facilidad que tiene la herramienta para extraer datos de diversas fuentes y después juntar todos los datos recolectados es impresionante, como se demostró en el presente laboratorio al usar datos de 3 fuentes distintas como son: SQL Server, Excel y una página WEB.
- Se demuestra de que tan fácil es hacer reportes interactivos con esta herramienta que tiene una intuitiva interfaz para poder encontrar en los datos aquello que se nos escapa en un análisis convencional mediante consultas a una BD, y animándonos a siempre hacer preguntas adicionales al modelo mediante la selección, y a presentar los datos de diferentes maneras explotando la capacidad y flexibilidad del motor asociativo.



6. WEBGRAFIA

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Recuperado de <https://github.com/fcharte/ExploraVisualizaconR>
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- Analytics Lane. (2018). Visualización de datos en Python con Seaborn.
Recuperado de <https://www.analyticslane.com/2018/07/20/visualizacion-de-datos-con-seabo>
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- Hernández, A y Chacón, H. (2019). Manipulación, análisis y visualización de datos de la encuesta demográfica y de salud familiar con el programa R.
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- GitHub. (2019). Analisis-Endes-Peru.
Recuperado de <https://github.com/horaciochacon/Analisis-Endes-Peru>