

UNIVERSIDAD PRIVADA DE TACNA



FACULTAD DE INGENIERIA
Escuela Profesional de Ingeniería de Sistema

**Informe de laboratorio 03: Creando un Reporte
Interactivo en Power BI**

Curso: Inteligencia de negocios

DOCENTE: Ing. Patrick Cuadros Quiroga

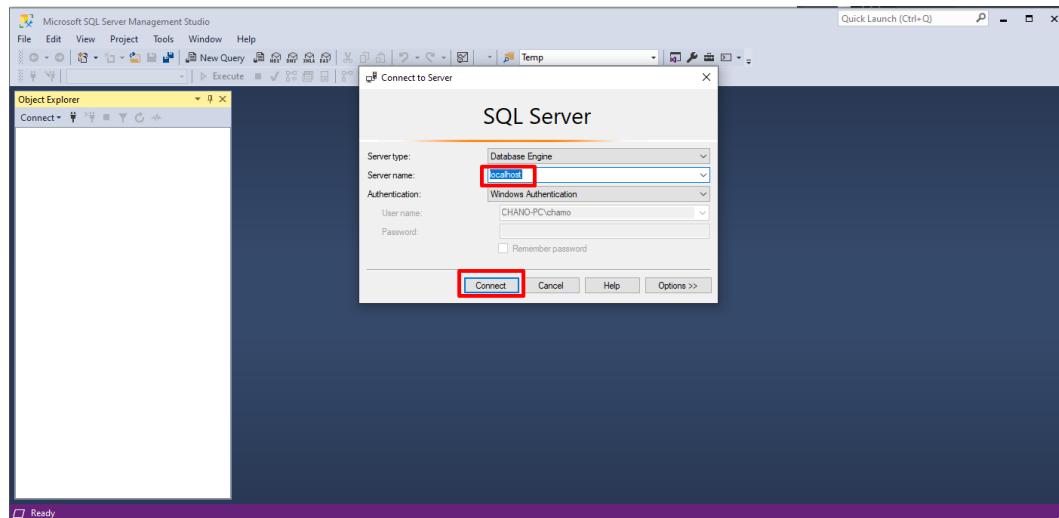
**Alumno: Balcon Coahila, Edward Juan
(2013046516)**

Tacna – Perú

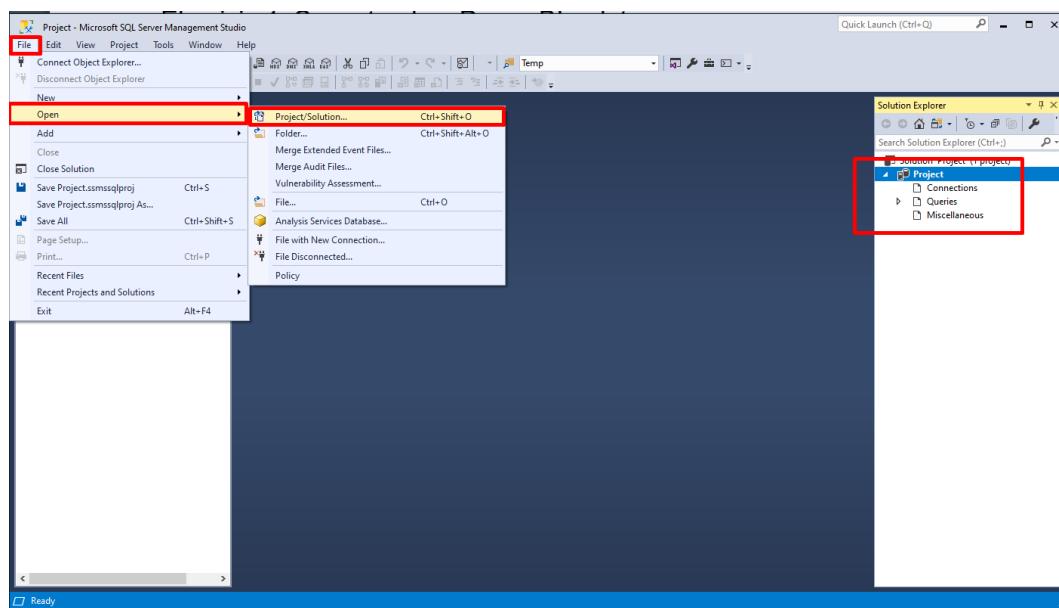
2021

1. Conexión a datos de Power BI

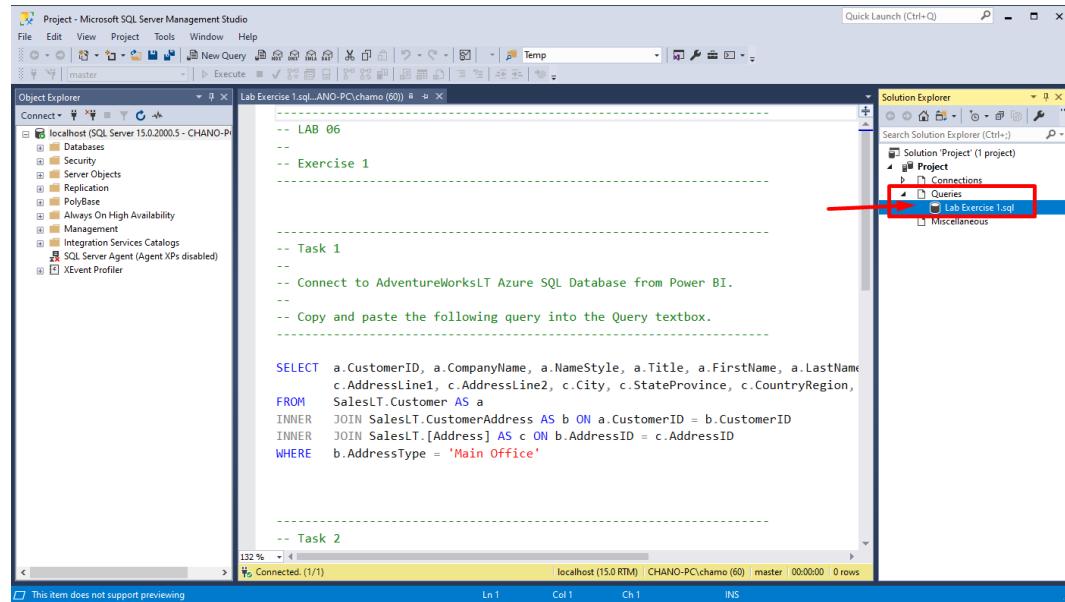
1.1. Abrir SQL Server Management Studio, y conectar a la instancia de base de datos (local) utilizando autenticación de Windows.



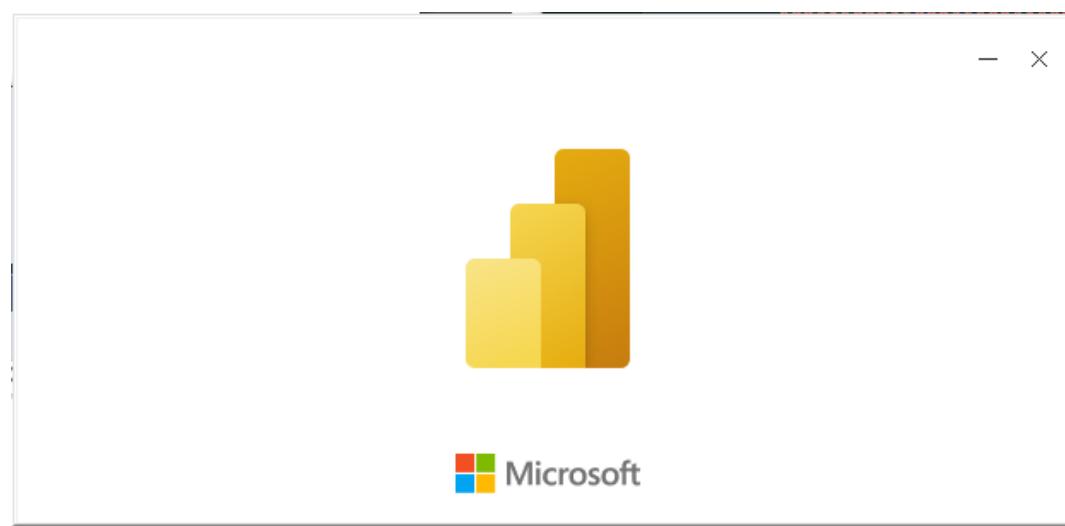
1.2. En el menú Archivo (File), en el submenu Abrir (Open), hacer click en Project/Solution, y buscar el archivo Project.ssmsln.



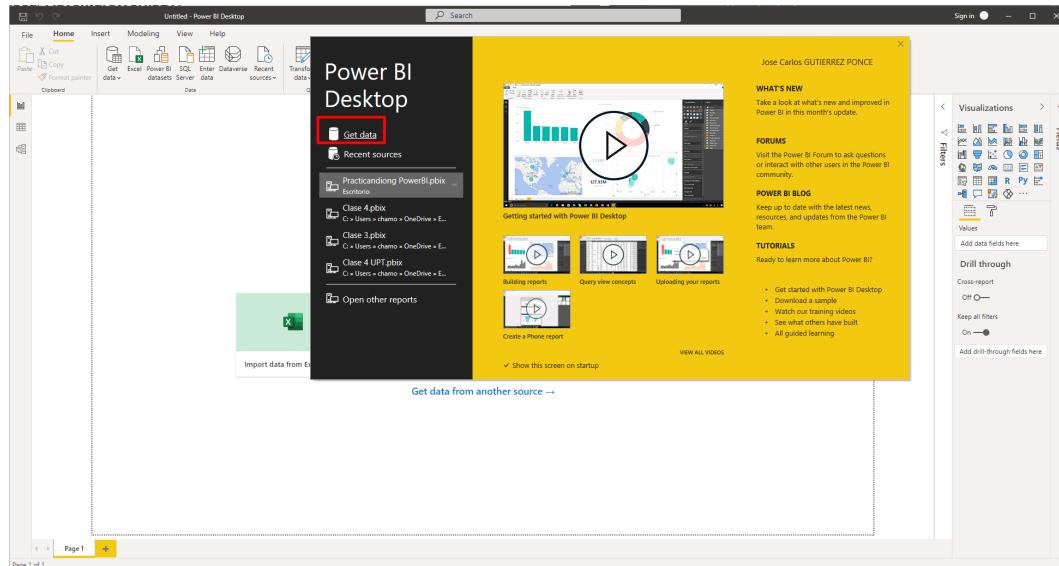
1.3. En el Explorador de Soluciones, expandir Consultas (Queries), y luego hacer doble click en el archivo Lab Exercise 1.sql.



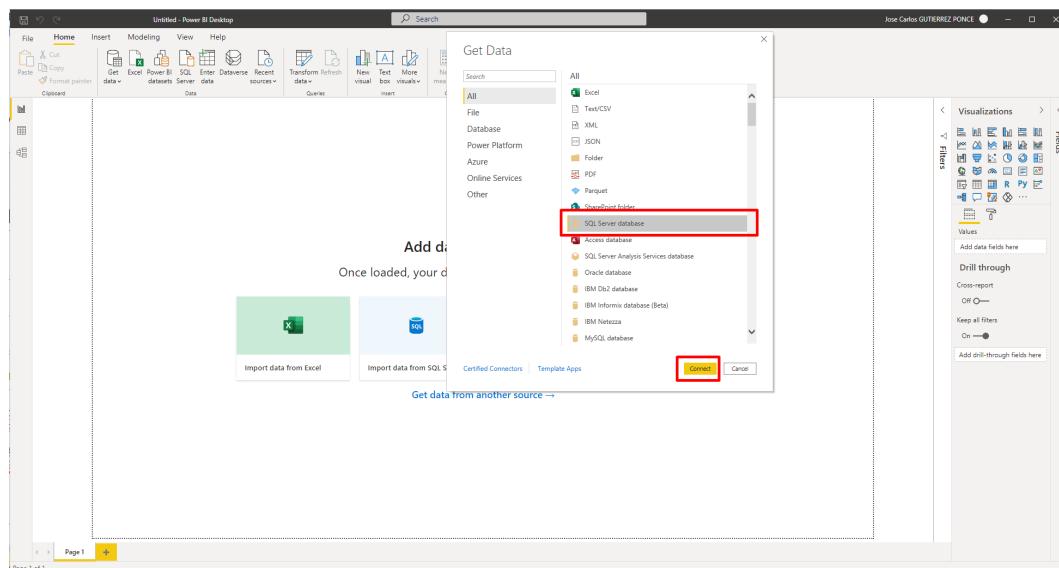
1.4. Abrir Power BI Desktop.



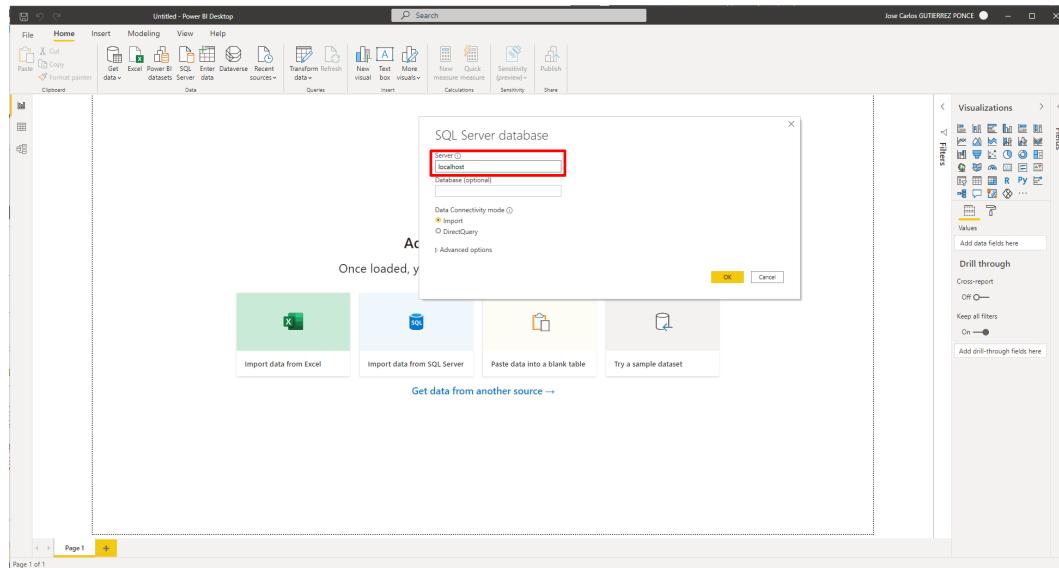
1.5. En la ventana Power BI Desktop, hacer click en Obtener Data (Get Data).



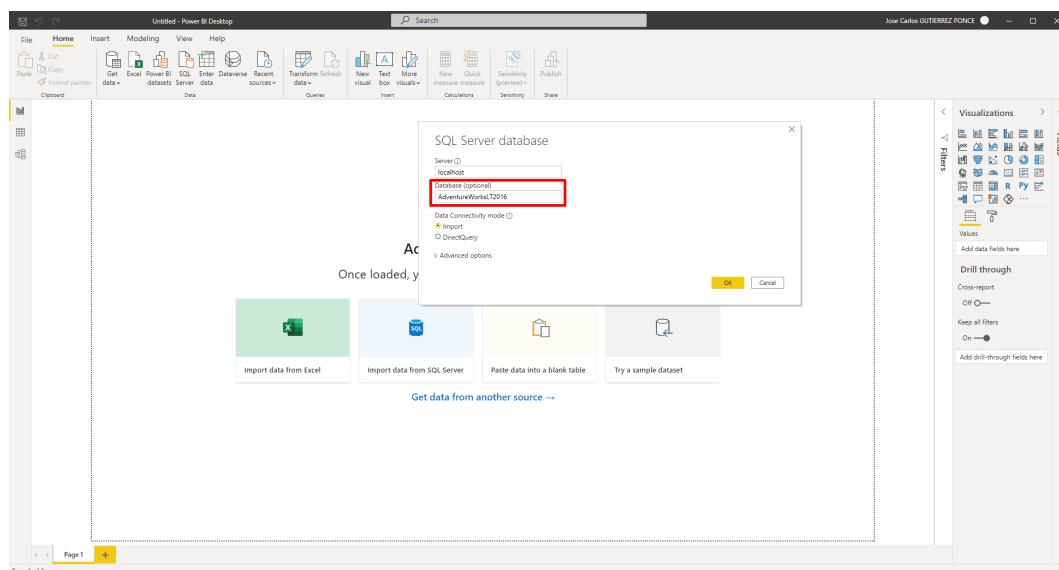
1.6. En el cuadro Obtener Datos, click base de datos Microsoft SQL, y entonces click en Conectar.



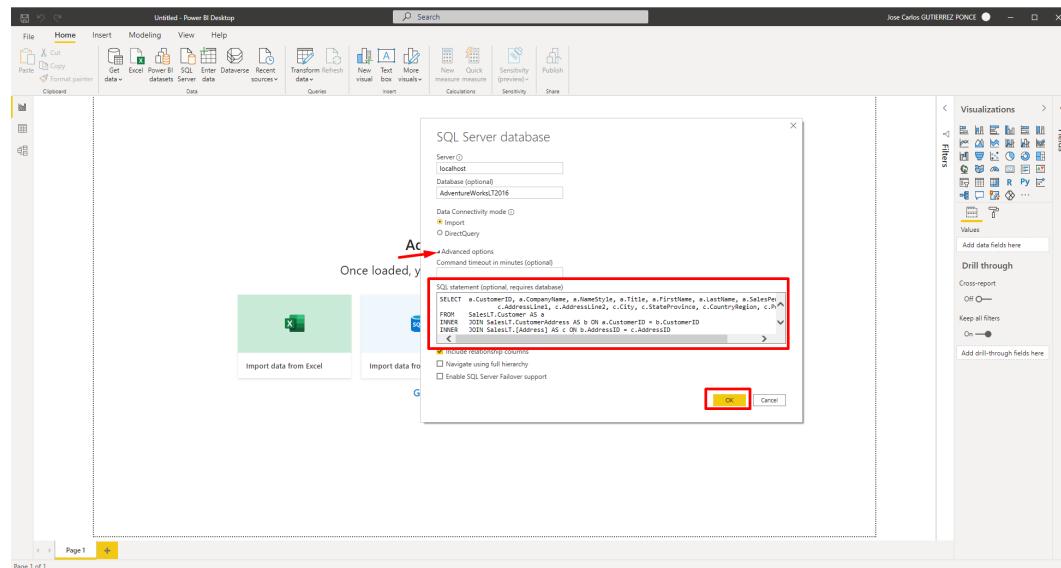
1.7. En la ventana base de datos Server database, En Servidor, escribir (localhost).



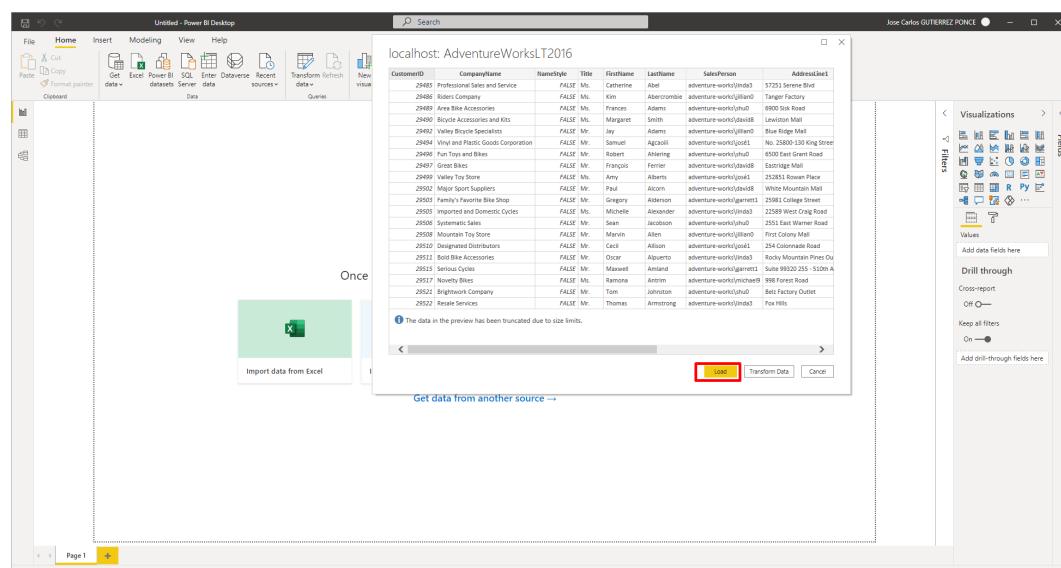
1.8. En Base de Datos (opcional), tipear AdventureWorksLT2016.



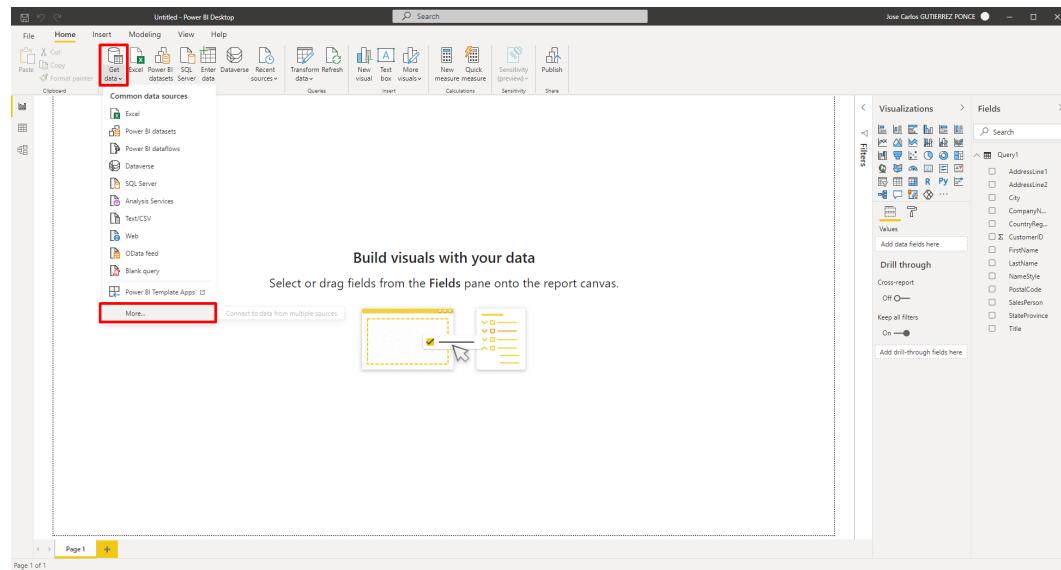
1.9. Expandir el cuadro Opciones Avanzadas. Copiar el script Task 1 del archivo Lab Exercise 1.sql. y pegar la consulta en Power BI, en el cuadro sentencia SQL. Luego presionar OK.



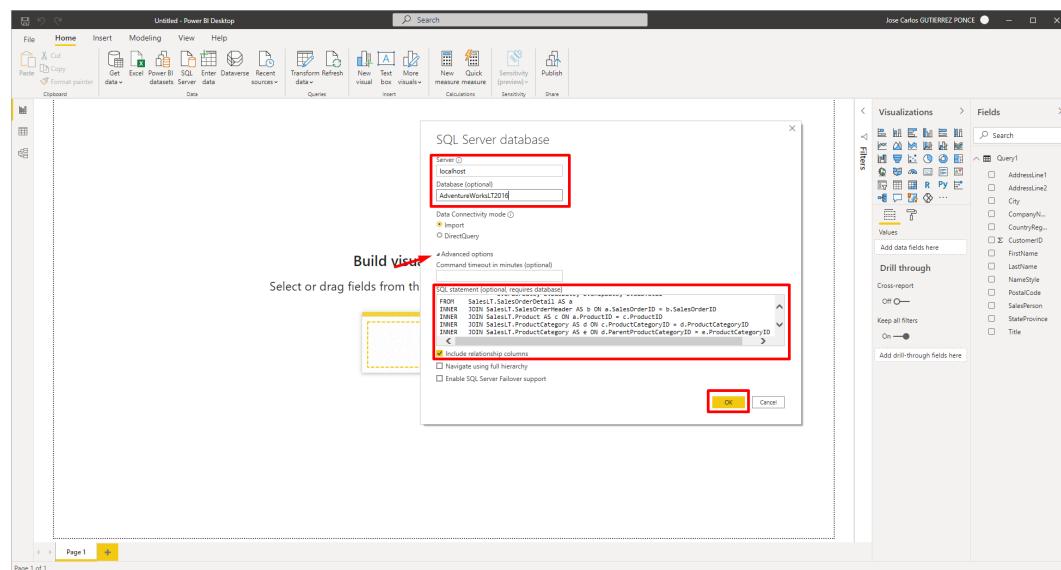
1.10. En la ventana de vista prDelete click en Load.



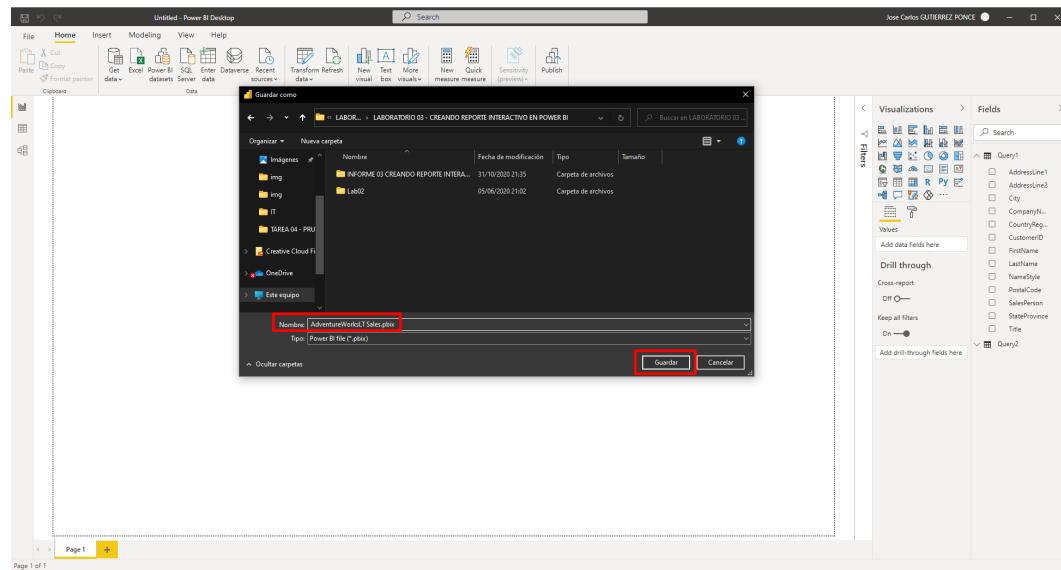
1.11. En Power BI Desktop, click Obtener Datos y luego click en Mas.



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

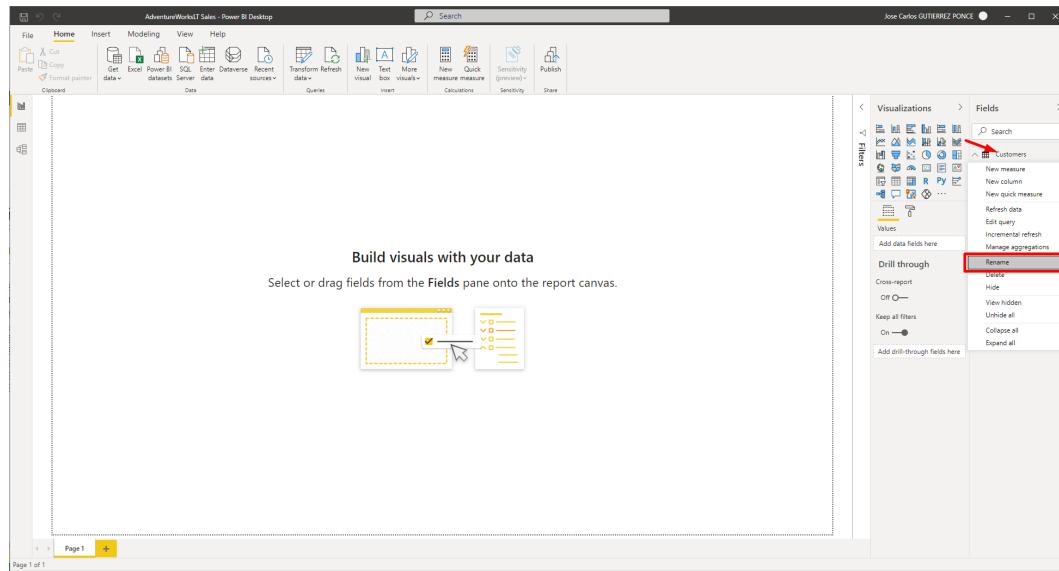


1.13. De regreso en el reporte. Guardar el archivo como AdventureWorksLT Sales.pbix.

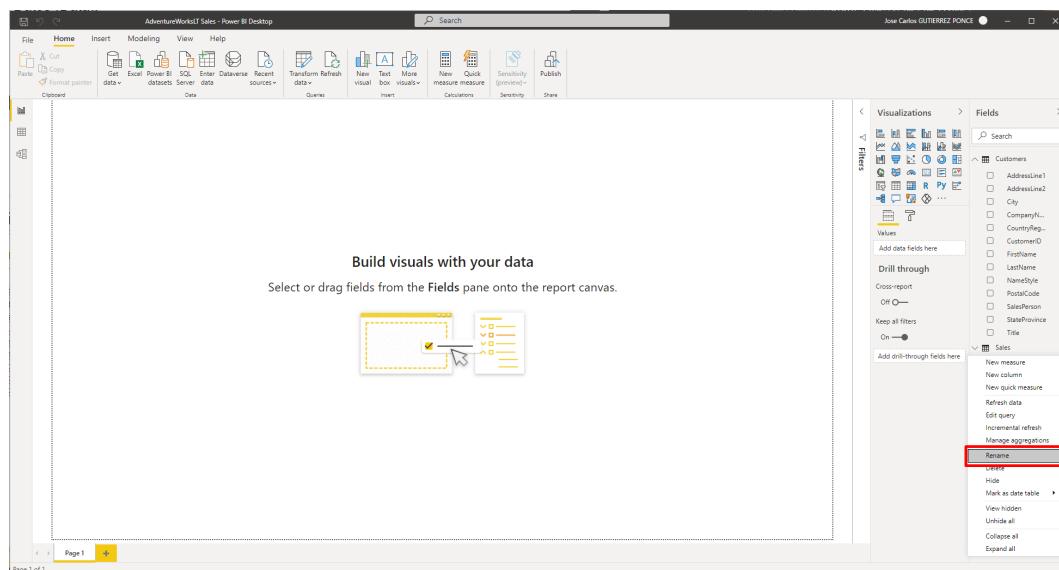


2. Graficar Datos

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



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



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

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales' model loaded. The ribbon at the top has 'Table tools' selected. The 'Fields' pane on the right is open, displaying a tree view of fields. A red box highlights the 'Customers' and 'Sales' nodes. Under 'Customers', fields like 'AddressLine1', 'City', and 'StateProvince' are listed. Under 'Sales', fields like 'CustomerID', 'DueDate', and 'OrderID' are listed. A central workspace area says 'Build visuals with your data' and 'Select or drag fields from the Fields pane onto the report canvas.'

2.4. 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 navigation bar. The left pane lists tables: 'Customers' (selected), 'Employees', 'Order Details', 'Orders', 'Products', 'Regions', 'Shippers', 'Suppliers', and 'Territories'. A red box highlights the 'Customers' table. The main workspace shows a preview of the 'Customers' table data, which includes columns like 'CustomerID', 'CustomerName', 'Address', 'City', 'PostalCode', and 'CountryRegion'. The 'Fields' pane on the right shows the same structure as the previous screenshot, with 'Customers' and 'Sales' expanded.

2.5. 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 'Fields' pane open on the right. In the 'Fields' pane, there is a tree view with 'Customers' expanded, and 'Sales' is also visible under the same category. The main area displays a table of customer data with columns like CompanyName, FirstName, LastName, and AddressLine1.

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

The screenshot shows the Power BI Desktop interface with the 'Fields' pane open. A context menu is displayed over the 'NameStyle' column header in the table. The menu options include 'Delete', 'Delete & report view', 'Unhide all', 'New group', 'New measure', 'Refresh data', 'Edit query', 'Rename', 'Select', 'Sort by column', 'Data types', 'Groups', 'Relationships', and 'New columns'. The 'Delete' option is highlighted with a red box.

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

The screenshot shows the Power BI Desktop application window titled "AdventureWorksLT Sales - Power BI Desktop". A context menu is open over a table, specifically the "Customers" table, with the "Delete column" option selected. A confirmation dialog box is displayed in the center of the screen, asking "Are you sure you want to delete 'NameStyle?'". The "Delete" button in the dialog box is highlighted with a red box.

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

The screenshot shows the Power BI Desktop application window titled "AdventureWorksLT Sales - Power BI Desktop". A context menu is open over the "SalesPerson" column header in the "Customers" table. The "Delete" option in the menu is highlighted with a red box.

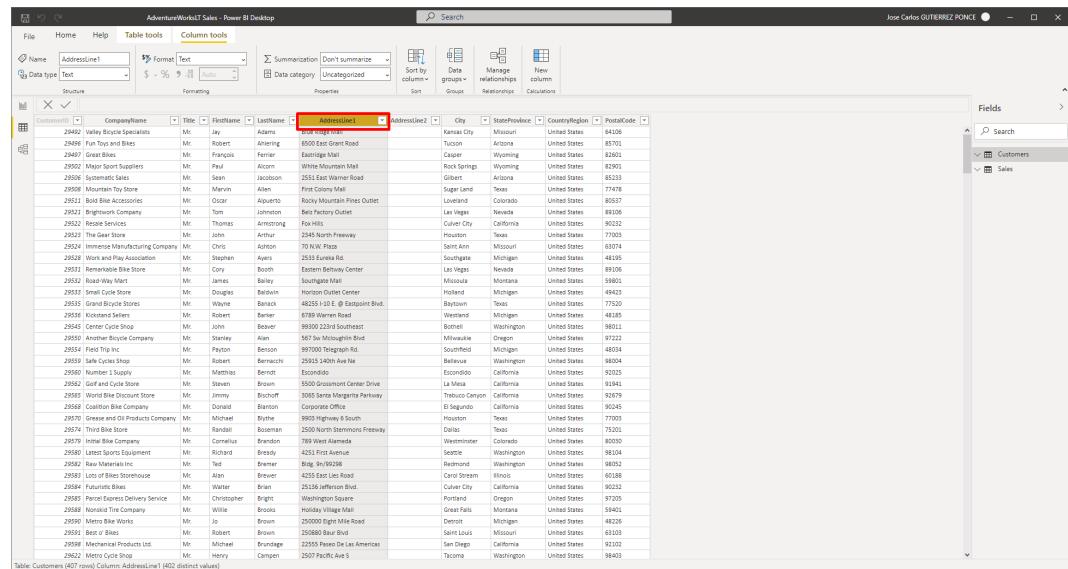
2.9. En el cuadro de diálogo Delete Column, haga clic en Delete.

The screenshot shows the Power BI Desktop interface with a 'Delete column' dialog box open. The dialog contains the question 'Are you sure you want to delete 'SalesPerson'?'. Below the question are two buttons: 'Delete' (highlighted with a yellow box) and 'Cancel'. In the background, the main Power BI window displays a table with columns: CustomerID, CompanyName, Title, FirstName, LastName, SalesPerson, AddressLine1, AddressLine2, City, StateProvince, CountryRegion, and PostalCode. The 'SalesPerson' column is currently selected, indicated by a yellow border around its header.

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

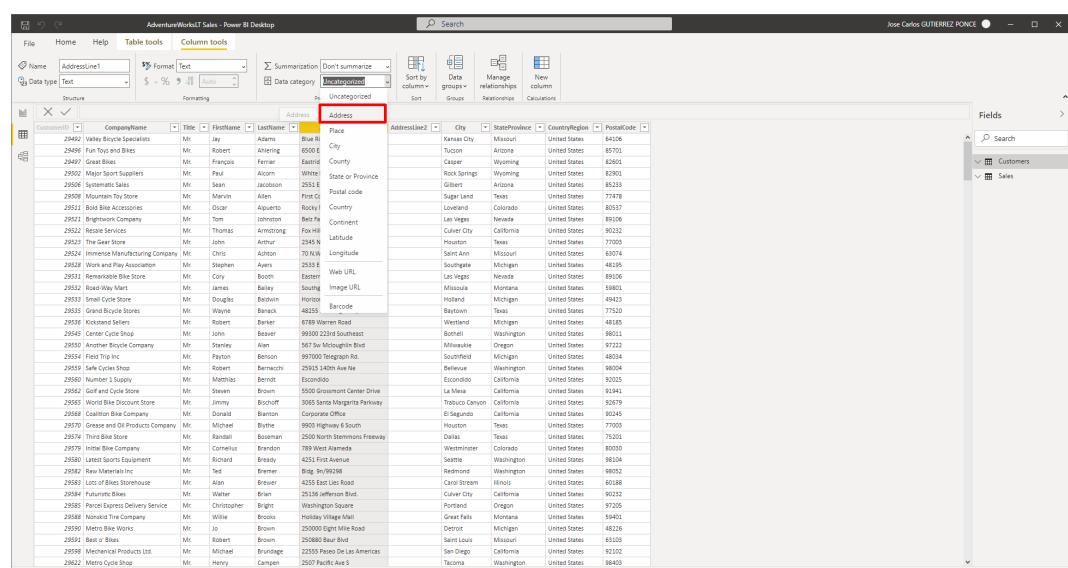
The screenshot shows the Power BI Desktop interface with a context menu open over the 'CustomerID' column header. The menu includes options like 'Sort ascending', 'Sort descending', 'Clear sort', 'Clear filter', 'Copy', 'Copy table', 'New measure', 'Find & replace', 'Refresh data', 'Edit query', 'Delete', and 'Hide in report view' (highlighted with a red box). The main Power BI window shows the same table structure as the previous screenshot, with the 'CustomerID' column now having a different visual representation.

2.11. Haga clic en el encabezado de la columna AddressLine1.



The screenshot shows the 'Customers' table in Power BI Desktop. The 'AddressLine1' column header is highlighted with a red box. The table contains 407 rows and 14 columns. The columns include CompanyName, Title, FirstName, LastName, AddressLine1, AddressLine2, City, StateProvince, CountryRegion, and PostalCode. A 'Fields' pane on the right shows the 'Customers' table with its columns.

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



The screenshot shows the 'Customers' table in Power BI Desktop. The 'DataCategory' dropdown in the 'Properties' group is set to 'Uncategorized'. The 'Address' button in the context menu of the 'AddressLine1' column is highlighted with a red box. The table has 407 rows and 14 columns. The 'AddressLine1' column is currently being edited, as indicated by the context menu. A 'Fields' pane on the right shows the 'Customers' table with its columns.

2.13. Haga clic en el encabezado de la columna City.

AdventureWorkLT Sales - Power BI Desktop

Fields

Name	Type	Format	Summarization	Data category	Sort by	Data groups	Manage relationships	New column
City	Text	\$ - %	Don't summarize	Uncategorized	Sort by Column	Sort	Relationships	Calculated

Table: Customers (407 rows) Column: City (256 distinct values)

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

AdventureWorkLT Sales - Power BI Desktop

Fields

Name	Type	Format	Summarization	Data category	Sort by	Data groups	Manage relationships	New column
City	Text	\$ - %	Don't summarize	Uncategorized	Sort by Column	Sort	Relationships	Calculated

Table: Customers (407 rows) Column: City (256 distinct values)

2.15 Haga clic en el encabezado de la columna StateProvince.

AdventureWorksLT Sales - Power BI Desktop

File Home Help Table tools Column tools

Name: StateProvince Data type: Text \$ %

Summarization: Don't summarize Data category: Uncategorized

Sort by column+ Sort groups+ Date Manage relationships New column

Fields

Search

Customers

Sales

CustomerID	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
24945	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge Mall		Kensington	Missouri	United States	64106
24946	Fun Toys and Bikes	Mr.	Robert	Ahnering	6500 East Grant Road		Tucson	Arizona	United States	85701
24947	Great Bikes	Mr.	Francis	Ferrier	Eastridge Mall		Casper	Wyoming	United States	82601
24948	Major Bike Suppliers	Mr.	Patricia	Adams	Winnipeg Mall		Springfield	Montana	United States	85233
24949	Spacetech Sales	Mr.	Sean	Harrison	2531 N Warner Road		Gilbert	Arizona	United States	85233
24950	Mountain Toy Store	Mr.	Marvin	Allen	First City Mall		Sugar Land	Texas	United States	77478
24951	Bold Bike Accessories	Mr.	Oscar	Aquino	Rocky Mountain Pines Outlet		Loveland	Colorado	United States	80557
24952	Brightwork Company	Mr.	Tom	Johnston	Beth Factory Outlet		Las Vegas	Nevada	United States	89106
24953	Another Bicycle Company	Mr.	Thomas	Fitzgerald	Fairway Mall		Clover City	California	United States	90232
24954	The Gear Store	Mr.	John	Archer	2545 North Freeway		Dallas	Texas	United States	75200
24954	Immenco Manufacturing Company	Mr.	Chris	Austin	70 N Park		Saint Ann	Missouri	United States	63074
24955	Work and Play Association	Mr.	Stephene	Avers	2533 Eureka Rd		Southgate	Michigan	United States	48195
24956	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Believe Center		Las Vegas	Nevada	United States	89106
24957	Road-Why Mart	Mr.	Dale	Bailey	Southgate Center		Missoula	Montana	United States	59801
24958	Grand Cycle Stores	Mr.	David	Brooks	Region One Center		Baytown	Michigan	United States	49432
24959	Grand Cycle Stores	Mr.	Wayne	Banks	48251 1/2 E Fairpointe Blvd		Westland	Michigan	United States	77520
24960	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road		Bothell	Washington	United States	98011
24961	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast		Dallas	Texas	United States	75201
24962	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd		Westminster	Colorado	United States	80030
24963	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd		Seattle	Washington	United States	98104
24964	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane		Redmond	Washington	United States	98052
24965	Number 1 Supply	Mr.	Matthias	Berndt	Escopido		Portland	Oregon	United States	97223
24966	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		Portland	Oregon	United States	97205
24967	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway		Great Falls	Montana	United States	59401
24968	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office		Detroit	Michigan	United States	48226
24969	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast		St. Louis	Missouri	United States	63103
24970	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway		San Diego	California	United States	92102
24971	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda		Tacoma	Washington	United States	98401
24972	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
24973	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
24974	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
24975	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
24976	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
24977	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
24978	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
24979	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
24980	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
24981	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
24982	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
24983	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
24984	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
24985	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
24986	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
24987	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
24988	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
24989	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
24990	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
24991	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
24992	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
24993	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
24994	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
24995	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
24996	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
24997	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
24998	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
24999	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25000	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25001	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25002	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25003	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25004	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
25005	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
25006	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
25007	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25008	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
25009	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
25010	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
25011	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
25012	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
25013	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25014	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
25015	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25016	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25017	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25018	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25019	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25020	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
25021	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
25022	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
25023	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25024	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
25025	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
25026	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
25027	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
25028	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
25029	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25030	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
25031	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25032	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25033	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25034	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25035	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25036	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
25037	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
25038	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
25039	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25040	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
25041	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
25042	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
25043	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
25044	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
25045	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25046	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
25047	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25048	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25049	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25050	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25051	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25052	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
25053	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
25054	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
25055	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25056	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
25057	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
25058	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
25059	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
25060	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
25061	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25062	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
25063	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25064	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25065	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25066	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25067	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25068	Another Bicycle Company	Mr.	Stephene	Alan	5675 S McCoullin Blvd					
25069	Fun Toys and Bikes	Mr.	Patricia	Barker	8909 S Telegraph Rd					
25070	Sale Cycle Shop	Mr.	Michael	Bernardi	2543 1/2 Ave Ane					
25071	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25072	World Bike Discount Store	Mr.	Jenny	Bischoff	3065 Santa Margarita Parkway					
25073	Coalmin Bike Company	Mr.	Donald	Bannon	Corporate Office					
25074	Grease and Oil Products Company	Mr.	Mark	Bartlett	99300 2230 Southeast					
25075	Third Bike Store	Mr.	Randal	Bosman	2500 North Stemmons Freeway					
25076	Immece Bike Company	Mr.	Cornelius	Brander	789 West Alameda					
25077	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25078	Row Metrics Inc	Mr.	Ted	Bremer	Elig. 39/91268					
25079	Road-Why Mart	Mr.	John	Brown	4535 1/2 Ave B					
25080	Remarkable Bike Store	Mr.	Stephene	Avery	2533 Jefferson Blvd					
25081	Grand Cycle Stores	Mr.	Wayne	Banks	2533 Jefferson Blvd					
25082	Kristoffer Sales	Mr.	Robert	Barker	6789 Warm Road					
25083	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25084	Another Bicycle Company	Mr.	Step							

2.17. Haga clic en el encabezado de la columna CountryRegion.

AdventureWorksLT Sales - Power BI Desktop

Jose Carlos GUTIERREZ PONCE

Name	CountryRegion	Format	Text	Summarization	Don't summarize	Data category	Uncategorized	Sort by column	Sort	Date groups	Manage relationships	New column	Cautions
Customer	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode	Fields		
24942	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge Mall		Kansas City	Missouri	United States	64106			
24946	Fun Toys and Bikes	Mr.	Robert	Ahern	6500 East Grant Road		Tucson	Arizona	United States	85701			
24950	Great Bikes	Mr.	François	Ferrier	Eastridge Mall		Casper	Wyoming	United States	82601			
24954	Supplier Components	Mr.	Peter	Allen	Whispering Woods		Gilbert	Arizona	United States	85233			
24958	Mountain Toy Store	Mr.	Marvin	Alien	2551 East Warner Road		Sugar Land	Texas	United States	77478			
24962	Bold Bike Accessories	Mr.	Oscar	Alquero	First Co	post code	Loveland	Colorado	United States	80537			
24966	Brightwork Company	Mr.	Tom	Johnstone	Rocky Mountain Pines Outlet		Las Vegas	Nevada	United States	89106			
24970	Another Bike Company	Mr.	Thomas	Armstrong	Belt Fitter's Outlet		Culver City	California	United States	90232			
24974	The Gear Store	Mr.	John	Armen	2545 North Freeway		Denton	Texas	United States	75203			
24978	Immense Manufacturing Company	Mr.	Chris	Atron	70 N.W. Plaza		Saint Ann	Missouri	United States	63074			
24982	Work and Play Associates	Mr.	Stephen	Ayers	2533 E. Evans Rd		Southgate	Michigan	United States	48195			
24986	Remariable Bike Store	Mr.	Cory	Booth	Eastern Beverage Center		Las Vegas	Nevada	United States	89106			
24990	Road Why Mart	Mr.	James	Bailey	Southwest Beverage		Missoula	Montana	United States	59801			
24994	Grand Cycle Stores	Mr.	Wendy	Barker	482551 10th St. @ Gaslight Blvd.		Baytown	Texas	United States	77530			
24998	Kidspace Sellers	Mr.	Robert	Barker	6789 Warner Road		Westland	Michigan	United States	48185			
25002	Center Cycle Shop	Mr.	John	Beaver	99300 223rd Southeast		Bethel	Washington	United States	98011			
25006	Another Bike Company	Mr.	Alan	Bennet	5675 S. Mooughlin Blvd		Milwaukee	Oregon	United States	97222			
25010	Grease and Oil Products Company	Mr.	Peter	Bennet	99999 10th Street		Portland	Oregon	United States	97203			
25014	Sale Cycles Shop	Mr.	Robert	Bennetti	2551 14th Ave Ne		Bellevue	Washington	United States	98004			
25018	Number 1 Supply	Mr.	Mormas	Bennett	Escondido		Edmonds	Washington	United States	98025			
25022	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941			
25026	World Bike Discount Store	Mr.	Jenny	Bischoff	2065 Santa Margarita Parkway		Trabuco Canyon	California	United States	92679			
25030	Coastal Bike Company	Mr.	Donald	Blaum	Corporate Office		El Segundo	California	United States	90245			
25034	Grease and Oil Products Company	Mr.	Mark	Brennan	99999 10th Street		Weston	Wisconsin	United States	77003			
25038	Third Bike Store	Mr.	Ronald	Bosman	2550 North Stemmons Freeway		Dallas	Texas	United States	75201			
25042	Imme Bike Company	Mr.	Comelite	Brands	789 West Alameda		Westminster	Colorado	United States	80030			
25046	Latest Sports Equipment	Mr.	Richard	Brady	4251 First Avenue		Seattle	Washington	United States	98104			
25050	Raw Materials Inc	Mr.	Ted	Bremer	48255 10th St.		Redmond	Washington	United States	98052			
25054	Future Sports Storehouse	Mr.	John	Brown	25500 Elgin Mill Road		Seattle	Washington	United States	98188			
25058	Great Bikes	Mr.	Robert	Brown	25080 Bear Blvd		Saint Louis	Missouri	United States	63120			
25062	Merchandise Products Ltd	Mr.	Robert	Bryant	22350 Peachtree Rd. Americas		San Diego	California	United States	92102			
25066	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific Ave S		Tacoma	Washington	United States	98403			

Table: Customers (407 rows) Column: CountryRegion (3 distinct values)

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

AdventureWorksLT Sales - Power BI Desktop

José Carlos GUTIERREZ PONCE

Name	CountryRegion	Format	Text	Summarization	Don't summarize	Data category	Uncategorized	Address	City	StateProvince	CountryRegion	PostalCode	Fields
Customer	CompanyName	Title	FirstName	LastName	Place	Address	AddressLine2	City	StateProvince	CountryRegion	PostalCode	Fields	
24942	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge	Blue Ridge		Kansas City	Missouri	United States	64106		
24946	Fun Toys and Bikes	Mr.	Robert	Ahern	6500 E	6500 East Grant Road		Tucson	Arizona	United States	85701		
24950	Great Bikes	Mr.	François	Ferrier	County	County		Casper	Wyoming	United States	82601		
24954	Supplier Components	Mr.	Peter	Allen	Country	Country		Gilbert	Arizona	United States	85233		
24958	Mountain Toy Store	Mr.	Marvin	Alien	First Co	post code		Sugar Land	Texas	United States	77478		
24962	Bold Bike Accessories	Mr.	Oscar	Alquero	Belt Fitter's	Outlet		Loveland	Colorado	United States	80537		
24966	Brightwork Company	Mr.	Tom	Johnstone	Belt Fe	Fe		Las Vegas	Nevada	United States	89106		
24970	Another Bike Company	Mr.	Thomas	Armstrong	Fox Hill	Latitude		Culver City	California	United States	90232		
24974	The Gear Store	Mr.	John	Armen	2545 N	Longitude		Denton	Texas	United States	75203		
24978	Immense Manufacturing Company	Mr.	Chris	Atron	70 N.W.	Longitude		Saint Ann	Missouri	United States	63074		
24982	Work and Play Associates	Mr.	Stephen	Ayers	2533 E			Southgate	Michigan	United States	48195		
24986	Remariable Bike Store	Mr.	Cory	Booth	Eastern	Web URL		Las Vegas	Nevada	United States	89106		
24990	Road Why Mart	Mr.	James	Bailey	South	image URL		Missoula	Montana	United States	59801		
24994	Grand Cycle Stores	Mr.	Wendy	Barker	Mobile			Brooklyn	Michigan	United States	48143		
24998	Grand Cycle Stores	Mr.	Robert	Barker	6789 Warner	Road		Baytown	Texas	United States	77530		
25002	Kidspace Sellers	Mr.	Mark	Brenner	789 West	Alameda		Westland	Michigan	United States	48185		
25006	Center Cycle Shop	Mr.	John	Beaver	99300 223rd	Southeast		Bethel	Washington	United States	98011		
25010	Another Bike Company	Mr.	Stanley	Benjamin	5675 S.	Mooughlin Blvd		Milwaukee	Oregon	United States	97222		
25014	Purismus Bikes	Mr.	Peter	Bennet	99999 10th	Street		Portland	Oregon	United States	97203		
25018	Grease and Oil Products Company	Mr.	Robert	Bennetti	2551 14th	Ave Ne		Bellevue	Washington	United States	98004		
25022	Gulf and Cycle Store	Mr.	Mormas	Bennett	Escondido			Edmonds	Washington	United States	98025		
25026	World Bike Discount Store	Mr.	Steven	Brown	5500 Grossmont	Center Drive		La Mesa	California	United States	91941		
25030	Coastal Bike Company	Mr.	Jenny	Bischoff	2065 Santa	Margarita Parkway		Trabuco Canyon	California	United States	92679		
25034	Grease and Oil Products Company	Mr.	Donald	Blaum	Corporate	Office		El Segundo	California	United States	90245		
25038	Third Bike Store	Mr.	Ronald	Bosman	99999 10th	Street		Weston	Wisconsin	United States	77003		
25042	Imme Bike Company	Mr.	Comelite	Brands	789 West	Alameda		Dallas	Texas	United States	75201		
25046	Latest Sports Equipment	Mr.	Richard	Brady	4251 First	Avenue		Westminster	Colorado	United States	80090		
25050	Raw Materials Inc	Mr.	Ted	Bremer	48255 10th	St.		Seattle	Washington	United States	98104		
25054	Future Sports Storehouse	Mr.	John	Brown	25500 Elgin	Mill Road		Redmond	Washington	United States	98052		
25058	Great Bikes	Mr.	Robert	Brown	2518 Jefferson	Blvd		Seattle	Washington	United States	98133		
25062	Merchandise Products Ltd	Mr.	Mark	Bryant	22350 Peachtree	Rd. Americas		Portland	Oregon	United States	97222		
25066	Metro Cycle Shop	Mr.	Henry	Campen	2507 Pacific	Ave S		Great Falls	Montana	United States	59401		

Table: Customers (407 rows) Column: CountryRegion (3 distinct values)

2.19. Haga clic en el encabezado de la columna PostalCode.

The screenshot shows the Power BI Desktop interface with the 'Column tools' ribbon selected. The 'PostalCode' column is highlighted in red. The 'Fields' pane on the right shows the 'Customers' and 'Sales' tables.

CustomerID	CompanyName	Title	FrontrName	Lastname	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
24945	Valley Bicycle Specialists	Mr.	Jay	Astemo	Blue Ridge Mall		Tucson	Arizona	United States	84206
24946	Fun Toys and Bikes	Mr.	Robert	Anhers	6500 East Grand Road		Casper	Wyoming	United States	82601
24947	Great Bikes	Mr.	Francis	Ferriter	Eastridge Mall		Denton	Texas	United States	82230
24948	Major Bike Suppliers	Mr.	Parker	Agnew	White Mountain Mall		Gilbert	Arizona	United States	85211
24949	SpineSports Sales	Mr.	Susan	Hagan	2251 North Warner Road		Sugar Land	Texas	United States	77478
24950	Mountain Toy Store	Mr.	Marvin	Allen	First Colony Mall		Loweland	Colorado	United States	80557
24951	Bold Blue Accessories	Mr.	Oscar	Alquero	Rocky Mountain Pines Outlet		Las Vegas	Nevada	United States	89106
24952	Brightwork Company	Mr.	Tom	Johnson	Beta Factory Outlet		Culver City	California	United States	90232
24953	Mountain Bikes	Mr.	Thomas	Armstrong	Fox Hill Mall		Dallas	Texas	United States	75200
24954	The Gear Store	Mr.	John	Wise	2245 North Freeway		Saint Ann	Missouri	United States	63074
24954	Immense Manufacturing Company	Mr.	Chris	Ashon	70 N.W. Park		Southgate	Michigan	United States	48195
24955	Work and Play Association	Mr.	Stephen	Ayers	2533 Eureka Rd.		Las Vegas	Nevada	United States	89106
24955	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Behavior Center		Missoula	Montana	United States	59801
24956	RoadWhy Cycle Store	Mr.	James	DeLoach	Mountain Bike Center		Baytown	Texas	United States	49442
24957	Grand Cycle Stores	Mr.	Wayne	Banks	48251-101-01 Exponent Blvd.		Westland	Michigan	United States	48185
24958	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road		Bothell	Washington	United States	98011
24954	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast		Milwaukee	Wisconsin	United States	53222
24955	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd		Portland	Oregon	United States	97204
24956	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.		Bremerton	Washington	United States	98330
24957	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N		Bethesda	Maryland	United States	20804
24958	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio		Encino	California	United States	92025
24959	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941
24960	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway		Treviso Canyon	California	United States	92879
24961	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office		El Segundo	California	United States	90245
24962	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast		Seattle	Washington	United States	98103
24963	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway		Redmond	Washington	United States	98052
24964	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda		Seattle	Washington	United States	98104
24965	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue		Redmond	Washington	United States	98052
24966	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio		Carroll Stream	Illinois	United States	60188
24967	Loss of Bike Storehouse	Mr.	Alan	Brewer	9351 East Red		Orlando	Florida	United States	32833
24968	Urban Cycle Products	Mr.	Walter	Brown	2518 Jefferson Blvd		Portland	Oregon	United States	97205
24969	The Gear Store	Mr.	John	Armon	2345 N. Latitude		Great Falls	Montana	United States	59401
24970	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude		Detroit	Michigan	United States	48226
24971	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL		Saint Louis	Missouri	United States	63103
24972	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Web URL		San Diego	California	United States	92102
24973	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL		Tacoma	Washington	United States	98403
24974	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
24975	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
24976	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
24977	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
24978	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
24979	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N					
24980	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio					
24981	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
24982	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway					
24983	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office					
24984	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast					
24985	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway					
24986	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda					
24987	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
24988	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio					
24989	Loss of Bike Storehouse	Mr.	Walter	Brown	2518 Jefferson Blvd					
24990	The Gear Store	Mr.	John	Armon	2345 N. Latitude					
24991	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude					
24992	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL					
24993	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL					
24994	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
24995	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
24996	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
24997	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
24998	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
24999	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N					
25000	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio					
25001	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25002	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway					
25003	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office					
25004	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast					
25005	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway					
25006	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda					
25007	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25008	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio					
25009	Loss of Bike Storehouse	Mr.	Walter	Brown	2518 Jefferson Blvd					
25010	The Gear Store	Mr.	John	Armon	2345 N. Latitude					
25011	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude					
25012	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL					
25013	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL					
25014	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
25015	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
25016	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25017	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
25018	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
25019	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N					
25020	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio					
25021	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25022	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway					
25023	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office					
25024	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast					
25025	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway					
25026	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda					
25027	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25028	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio					
25029	Loss of Bike Storehouse	Mr.	Walter	Brown	2518 Jefferson Blvd					
25030	The Gear Store	Mr.	John	Armon	2345 N. Latitude					
25031	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude					
25032	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL					
25033	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL					
25034	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
25035	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
25036	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25037	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
25038	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
25039	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N					
25040	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio					
25041	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25042	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway					
25043	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office					
25044	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast					
25045	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway					
25046	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda					
25047	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25048	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio					
25049	Loss of Bike Storehouse	Mr.	Walter	Brown	2518 Jefferson Blvd					
25050	The Gear Store	Mr.	John	Armon	2345 N. Latitude					
25051	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude					
25052	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL					
25053	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL					
25054	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
25055	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
25056	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25057	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
25058	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
25059	Sale Cycle Shop	Mr.	Robert	Bernardi	2951 5th Ave N					
25060	Number 1 Supply	Mr.	Matthew	Berndt	Exxonidio					
25061	Gulf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive					
25062	World Bike Deosure Store	Mr.	Jimmy	Bischoff	2005 Santa Margarita Parkway					
25063	Coalition Bike Company	Mr.	Donald	Blanton	Corporate Office					
25064	Urban Cycle Products Company	Mr.	Mark	Brown	4905 2230 Southeast					
25065	Third Bike Store	Mr.	Randall	Browne	2500 North Steenmoss Freeway					
25066	Immune Bike Company	Mr.	Coronelus	Brendan	789 West Alameda					
25067	Latest Sports Equipment	Mr.	Richard	Bready	4251 First Avenue					
25068	New Materials Inc.	Mr.	Ted	Bremer	Exxonidio					
25069	Loss of Bike Storehouse	Mr.	Walter	Brown	2518 Jefferson Blvd					
25070	The Gear Store	Mr.	John	Armon	2345 N. Latitude					
25071	Adventure Cycle	Mr.	Chris	Ainson	70 N.W. Longitude					
25072	Work and Play Association	Mr.	Stephen	Ayers	2533 E. Web URL					
25073	RoadWhy Cycle Store	Mr.	James	Bailey	South Image URL					
25074	Grand Cycle Stores	Mr.	Wayne	Banks	48255 Barcode					
25075	Kickstart Sellers	Mr.	Robert	Barker	6789 Warm Road					
25076	Center Cycle Shop	Mr.	John	Beaver	99300 2230 Southeast					
25077	Another Bicycle Company	Mr.	Stanley	Alan	5676 5th Mogulquin Blvd					
25078	Third Bike Inc.	Mr.	Patton	Benson	9000 E. Mogulquin Rd.					
25079										

2.21. 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:

The screenshot shows the Power BI Desktop interface with the 'Fields' pane open on the right. In the 'Fields' pane, under the 'Customers' table, there is a column named 'Sales'. A red box highlights this column. The main data grid below shows customer information such as Name, CompanyName, Title, FirstName, LastName, AddressLine1, AddressLine2, City, StateProvince, CountryRegion, PostalCode, and a newly created 'Sales' column.

Name	Column	Format	Summarization	Don't summarize	Sort by	Data groups	Manage relationships	New column
CustomerID	Whole number	\$ - #,###						
Name	Text							
CompanyName	Text							
Title	Text							
FirstName	Text							
LastName	Text							
AddressLine1	Text							
AddressLine2	Text							
City	Text							
StateProvince	Text							
CountryRegion	Text							
PostalCode	Text							
Sales	Text							

2.22. En el panel Fields (Fields), haga clic en Sales.

The screenshot shows the Power BI Desktop interface with the 'Fields' pane open on the right. In the 'Fields' pane, under the 'Customers' table, there is a column named 'Sales'. A red box highlights this column. The main data grid below shows customer information such as Name, CompanyName, Title, FirstName, LastName, AddressLine1, AddressLine2, City, StateProvince, CountryRegion, PostalCode, and a newly created 'Sales' column.

Name	Column	Format	Summarization	Don't summarize	Sort by	Data groups	Manage relationships	New column
CustomerID	Whole number	\$ - #,###						
Name	Text							
CompanyName	Text							
Title	Text							
FirstName	Text							
LastName	Text							
AddressLine1	Text							
AddressLine2	Text							
City	Text							
StateProvince	Text							
CountryRegion	Text							
PostalCode	Text							
Sales	Text							

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

The screenshot shows the 'Sales' table in Power BI Desktop. A context menu is open over the 'RevisionNumber' column header, with the 'Delete' option highlighted. The table contains 542 rows and 1 distinct value for RevisionNumber. The columns include CustomerID, SalesOrderID, SalesOrderDetailID, RevisionNumber, ProductID, OrderQty, UnitPrice, OrderDate, and ShipDate.

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

The screenshot shows the 'Delete column' dialog box in Power BI Desktop. It asks if you are sure you want to delete 'RevisionNumber'. The 'Delete' button is highlighted in red. The dialog box has 'Delete' and 'Cancel' buttons.

2.25. 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 AdventureWorksLT Sales dataset loaded. A context menu is open over the 'SalesOrderNumber' column header in the 'Sales' table. The menu path 'SalesOrderNumber' > 'Delete' is highlighted with a red box. Other options visible in the menu include 'Sort ascending', 'Sort descending', 'Clear sort', 'Clear filter', 'Clear all filters', 'Copy', 'Copy table', 'New measure', 'Refresh data', 'Edit query', 'Reshape', 'Delete', 'Hide in report view', 'Unhide all', and 'New group'. The 'Delete' option is the target of the action described in the caption.

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

The screenshot shows the 'Delete column' confirmation dialog box from Power BI Desktop. The dialog contains the message 'Are you sure you want to delete "SalesOrderNumber"?'. It has two buttons at the bottom: 'Delete' (highlighted with a red box) and 'Cancel'. The background shows the Power BI interface with the same dataset and table structure as the previous screenshot.

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

2.29. Haga clic con el botón derecho en la columna SalesOrderID y luego haga clic en Hide in ReportView.

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

The screenshot shows the Power BI desktop application with the 'Sales' table selected. In the top ribbon, the 'Columns' tab is active. A red box highlights the 'SalesOrderDetailID' column header in the 'Columns' ribbon. The main area displays the data grid for the 'Sales' table, which contains 542 rows and 259 distinct values. The columns include SalesOrderDetailID, OrderQty, ProductID, UnitPrice, OrderDate, and others.

2.31. 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:

The screenshot shows the Power BI desktop application with the 'Sales' table selected. In the top ribbon, the 'Calculations' tab is active. A red box highlights the 'New Column' button in the 'Calculations' group. The main area displays the data grid for the 'Sales' table, which contains 542 rows and 259 distinct values. The columns include SalesOrderDetailID, OrderQty, ProductID, UnitPrice, OrderDate, and others.

2.32. Haga clic en el encabezado de la columna LineTotal.

AdventureWorkLT Sales - Power BI Desktop

The screenshot shows the Power BI Desktop interface with the 'Sales' table selected. The 'LineTotal' column is highlighted with a red box. The table has columns: Name, LineTotal, ProductID, SubCategory, Product, OrderDate, UnitPrice, OrderDate, DueDate, ShipDate, SubTotal, and LineTotal. The 'LineTotal' column contains values such as 594.81, 594.81, 109.50, etc. The ribbon at the top shows 'File', 'Home', 'Help', 'Table tools', 'Column tools', and 'Search'. The status bar at the bottom right says 'Jose Carlos GUTIERREZ PONCE'.

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

AdventureWorkLT Sales - Power BI Desktop

The screenshot shows the Power BI Desktop interface with the 'Sales' table selected. The 'LineTotal' column is highlighted with a red box. The table has columns: Name, LineTotal, ProductID, SubCategory, Product, OrderDate, UnitPrice, OrderDate, DueDate, ShipDate, SubTotal, and LineTotal. The 'LineTotal' column now displays values like \$594.81, \$594.81, \$109.50, etc. The ribbon at the top shows 'File', 'Home', 'Help', 'Table tools', 'Column tools', and 'Search'. The status bar at the bottom right says 'Jose Carlos GUTIERREZ PONCE'.

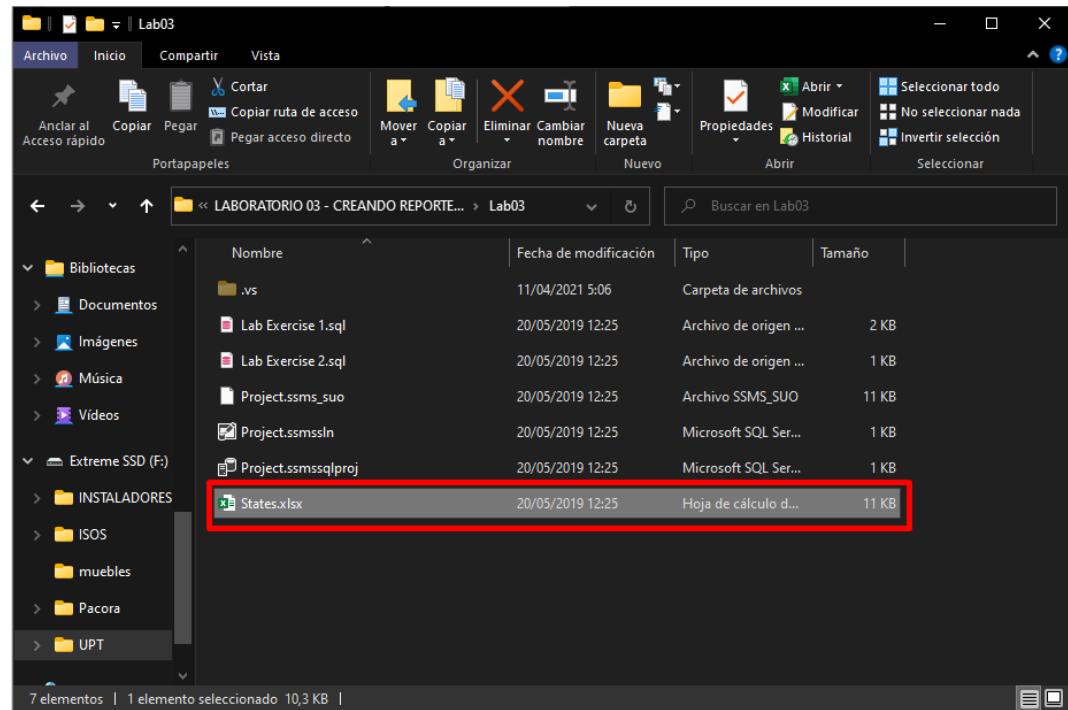
2.34. En la cinta Modeling, en el grupo Calculations, haga clic en NewMeasure y luego en la barra de fórmulas, escriba la siguiente expresión y presione Enter.

The screenshot shows the Power BI Desktop interface with the 'Measure tools' ribbon selected. In the formula bar, the expression `TargetSales = SUM('Sales'[LineTotal]) * 1.2` is entered. A red box highlights the 'New Quick measure measure' button in the ribbon, and another red box highlights the formula in the formula bar.

CustomerID	SubCustomerID	SubCustomerName	MainCategory	SubCategory	ProductID	Product	OrderQty	UnitPrice	OrderDate	DueDate	ShippedDate	SubTotal	LineTotal
22797	110682	Components	Road Frames	891	Mt Road Frame-W - Yellow, 48	1	\$948.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	880,244	\$880,244	
22847	110683	Components	Road Frames	892	Mt Road Frame-W - Yellow, 58	1	\$948.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	880,244	\$880,244	
30072	71776	110687	Components	Brakes	907	Rear Brakes	1	\$106.51	01/06/2008 00:00:00	13/06/2008 00:00:00	04/06/2008 00:00:00	78.81	\$106.51
30113	71780	110682	Bikes	Mountain Bikes	990	Mountain-500 Bike, 42	1	\$383.89	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$383,89
30213	71780	110682	Components	Mountain Frames	926	LL Mountain Frame - Black, 48	1	\$248.79	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$248.79
30213	71780	110682	Components	Mountain Frames	743	Hl Mountain Frame - Black, 42	1	\$184.61	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$184.61
30213	71780	110682	Components	Pedals	957	Hl Mountain-500 Silver, 42	1	\$85.99	01/06/2008 00:00:00	13/06/2008 00:00:00	02/06/2008 00:00:00	38418,685	\$85.99
30213	71780	110682	Bikes	Mountain Bikes	991	Mountain-500 Bike, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
30213	71780	110684	Components	Handlebars	830	Hl Mountain Handlebars	1	\$120.27	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$120.27
30213	71780	110684	Components	Mountain Frames	925	LL Mountain Frame - Black, 44	1	\$249.79	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$249.79
30213	71780	110684	Accessories	Hydration Packs	880	Hydration Pack - 70 oz.	1	\$49.49	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$49.49
24845	71782	110689	Components	Touring Bikes	954	Touring-2000 Blue, 48	1	\$284.01	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$284.01
24845	71782	110689	Bikes	Touring Bikes	955	Touring-2000 Yellow, 50	1	\$742.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$742.81
24845	71782	110689	Bikes	Touring Bikes	956	Touring-2000 Blue, 44	1	\$284.01	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$284.01
24845	71782	110689	Components	Saddles	948	Front Brackets	1	\$106.51	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$106.51
24845	71782	110689	Components	Bottom Brackets	994	LL Bottom Bracket	1	\$119.99	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$119.99
24845	71782	110689	Bikes	Touring Bikes	957	Touring-2000 Blue, 48	1	\$224.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$224.81
24845	71782	110689	Bikes	Touring Bikes	963	Touring-2000 Yellow, 54	1	\$742.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$742.81
24845	71782	110689	Bikes	Touring Bikes	965	Touring-2000 Blue, 50	1	\$224.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$224.81
24845	71782	110689	Components	Saddles	936	HL Touring Seat/Saddle	1	\$284.01	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$284.01
24845	71782	110689	Components	Touring Frames	888	HL Touring Frame - Black, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	890	HL Touring Frame - Blue, 54	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	891	HL Touring Frame - Blue, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	892	HL Touring Frame - Blue, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	893	HL Touring Frame - Blue, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	894	HL Touring Frame - Blue, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	895	HL Touring Frame - Blue, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	896	HL Touring Frame - Blue, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	897	HL Touring Frame - Blue, 44	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	898	HL Touring Frame - Blue, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	899	HL Touring Frame - Blue, 54	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	900	HL Touring Frame - Yellow, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	901	HL Touring Frame - Yellow, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	902	HL Touring Frame - Yellow, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	903	HL Touring Frame - Yellow, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	904	HL Touring Frame - Yellow, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	905	HL Touring Frame - Yellow, 44	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	906	HL Touring Frame - Yellow, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	907	HL Touring Frame - Yellow, 54	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	908	HL Touring Frame - Yellow, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	909	HL Touring Frame - Yellow, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	910	HL Touring Frame - Yellow, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	911	HL Touring Frame - Yellow, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	912	HL Touring Frame - Yellow, 46	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	913	HL Touring Frame - Yellow, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	914	HL Touring Frame - Yellow, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	915	HL Touring Frame - Yellow, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	916	HL Touring Frame - Yellow, 48	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	917	HL Touring Frame - Yellow, 54	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	918	HL Touring Frame - Yellow, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	919	HL Touring Frame - Yellow, 44	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	920	HL Touring Frame - Yellow, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	921	HL Touring Frame - Yellow, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	922	HL Touring Frame - Yellow, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	923	HL Touring Frame - Yellow, 46	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	924	HL Touring Frame - Yellow, 50	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	925	HL Touring Frame - Yellow, 44	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	926	HL Touring Frame - Yellow, 56	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	927	HL Touring Frame - Yellow, 58	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00	08/06/2008 00:00:00	38418,685	\$384.81
24845	71782	110689	Components	Touring Frames	928	HL Touring Frame - Yellow, 52	1	\$384.81	01/06/2008 00:00:00	13/06/2008 00:00:00			

3. Combinar Data

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



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

	SalesID	Sales
1	110001	Alabama
2	110002	Alaska
3	110003	Arizona
4	110004	Arkansas
5	110005	California
6	110006	Colorado
7	110007	Connecticut
8	110008	Delaware
9	110009	District of Columbia
10	110010	Florida
11	110011	Georgia
12	110012	Hawaii
13	110013	Idaho
14	110014	Illinois
15	110015	Indiana
16	110016	Iowa
17	110017	Kansas
18	110018	Kentucky
19	110019	Louisiana
20	110020	Maine
21	110021	Maryland
22	110022	Massachusetts
23	110023	Michigan
24	110024	Minnesota
25	110025	Mississippi
26	110026	Missouri
27	110027	Montana
28	110028	Nebraska
29	110029	Nevada
30	110030	New Hampshire
31	110031	New Jersey
32	110032	New Mexico
33	110033	New York
34	110034	North Carolina
35	110035	North Dakota
36	110036	Ohio
37	110037	Oklahoma
38	110038	Oregon
39	110039	Pennsylvania
40	110040	Rhode Island
41	110041	South Dakota
42	110042	Tennessee
43	110043	Texas
44	110044	Utah
45	110045	Vermont
46	110046	Virginia
47	110047	Washington
48	110048	West Virginia
49	110049	Wisconsin
50	110050	Wyoming

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

CustomerID	TargetSales	SubCustomerID	SubSalesCategory	SubCategory	ProductID	Product	OrderQty	UnitPrice	OrderDate	DueDate	ShipDate	SubTotal	LineTotal
20847	110001	110062	Components	Road Frames	856	ML Road Frame-W - Yellow, 48	1	594.81	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	880,3484	\$594.81
20847	110001	110063	Components	Road Frames	852	ML Road Frame-W - Yellow, 38	1	594.81	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	880,3484	\$594.81
20802	110001	110064	Components	Bikes	807	MTB Frame - 26", 21 Speed	1	128.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	128.99	\$128.99
30113	110001	110065	Components	Mountain Bikes	990	Mountain 500 Black, 42	1	538.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$538.99
30113	110001	110062	Components	Mountain Bikes	926	LL Mountain Frame - Black, 48	1	249.79	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$249.79
30113	110001	110062	Components	Mountain Bikes	743	HL Mountain Frame - Black, 42	1	1349.6	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$1349.6
30113	110001	110062	Components	Pedals	937	HL Mountain Pedal	1	80.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$80.99
30113	110001	110062	Components	Bottom Brackets	985	HL Bottom Bracket	1	164.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$164.99
30113	110001	110062	Components	Brakes	950	Mountain 500 Black, 48	1	538.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$538.99
30113	110001	110064	Components	Handlebars	830	HL Mountain Handlebars	1	120.27	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$120.27
30113	110001	110064	Components	Mountain Frames	935	LL Mountain Frame - Black, 44	1	249.79	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$249.79
30113	110001	110064	Components	Hydration Packs	880	Hydration Pack - 70 oz.	1	54.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	5848,6895	\$54.99
29485	110001	110065	Components	Touring Bikes	954	Touring 5000 Black, 46	1	2348.01	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$2348.01
29485	110001	110065	Components	Touring Bikes	979	Touring 5000 Blue, 44	1	742.91	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$742.91
29485	110001	110065	Components	Touring Bikes	955	Touring 5000 White, 20	1	2184.07	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$2184.07
29485	110001	110065	Components	Gloves	948	Frost Brakes	1	105.5	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$105.5
29485	110001	110063	Components	Bottom Brackets	994	LL Bottom Bracket	1	53.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$53.99
29485	110001	110062	Components	Touring Bikes	970	Touring 2000 Blue, 46	1	2124.07	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$2124.07
29485	110001	110062	Components	Brakes	957	Mountain 500 Black, 45	1	2348.01	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$2348.01
29485	110001	110064	Components	Touring Bikes	963	Touring 5000 White, 54	1	742.35	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$742.35
29485	110001	110065	Components	Touring Bikes	953	Touring 2000 Blue, 60	1	2124.81	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$2124.81
29485	110001	110069	Components	Saddles	916	HL Touring Seat/Saddle	1	52.64	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$52.64
29485	110001	110062	Components	Touring Frames	888	LL Touring Frame - Yellow, 52	1	333.42	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$333.42
29485	110001	110070	Components	Touring Frames	859	ML Touring Frame - Blue, 54	1	300.91	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$300.91
29485	110001	110070	Components	Gloves	859	Ink/Finger Gloves, M	1	24.49	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$24.49
29957	110001	110079	Components	Handlebars	833	HL Road Handlebars	1	120.27	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$120.27
29957	110001	110073	Components	Road Frames	822	ML Road Frame-W - Yellow, 38	1	594.81	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$594.81
29957	110001	110074	Components	Road Bikes	799	Road S500-W, Yellow, 42	1	120.27	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$120.27
29957	110001	110074	Components	Road Bikes	799	Road S500-W, Yellow, 40	1	120.27	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$120.27
29957	110001	110074	Components	Road Bikes	802	Road S500-W, Yellow, 48	1	120.29	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$120.29
29957	110001	110074	Components	Saddles	875	Racing Seats, L	1	8.99	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	59783,1304	\$8.99
29766	110001	110074	Components	Touring Bikes	858	Touring 2000 Blue, 58	1	742.35	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	108661,8317	\$742.35
29766	110001	110074	Components	Touring Frames	900	LL Touring Frame - Yellow, 50	1	331.42	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	108661,8317	\$331.42
29766	110001	110074	Components	Touring Bikes	891	ML Touring Frame - Blue, 50	1	300.91	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	108661,8317	\$300.91
29660	110001	110018	Components	Touring Frames	891	ML Touring Frame - Blue, 50	1	1000.81	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	57634,6342	\$1,000.81
29660	110001	110022	Components	Saddles	916	HL Touring Seat/Saddle	1	52.64	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	57634,6342	\$52.64
29660	110001	110020	Components	Touring Bikes	870	Touring 2000 Blue, 46	1	1141.85	01/06/2008 00:00:00	11/06/2008 00:00:00	08/06/2008 00:00:00	57634,6342	\$1,141.85

Table: Sales (542 rows) Column: TargetSales (0 distinct values)

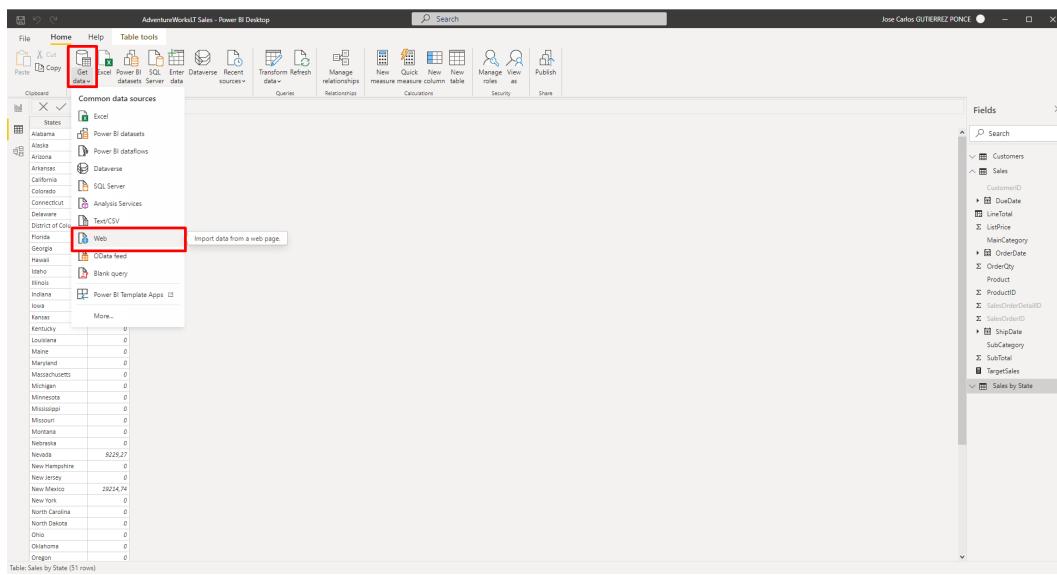
3.4. En el cuadro de diálogo Crear tabla, haga clic en la tabla y luego presione Ctrl + V. Power BI detecta que la primera fila es un encabezado de columna.

State	SalesYTD
1 Alabama	0
2 Alaska	0
3 Arizona	0
4 Arkansas	0
5 California	444120.48
6 Colorado	17641.75
7 Connecticut	0
8 Delaware	0
9 District of Columbia	0
10 Florida	0
11 Georgia	0
12 Hawaii	0
13 Idaho	0
14 Illinois	0
15 Indiana	0
16 Iowa	0
17 Kansas	0
18 Kentucky	0
19 Louisiana	0
20 Maine	0
21 Maryland	0
22 Massachusetts	0

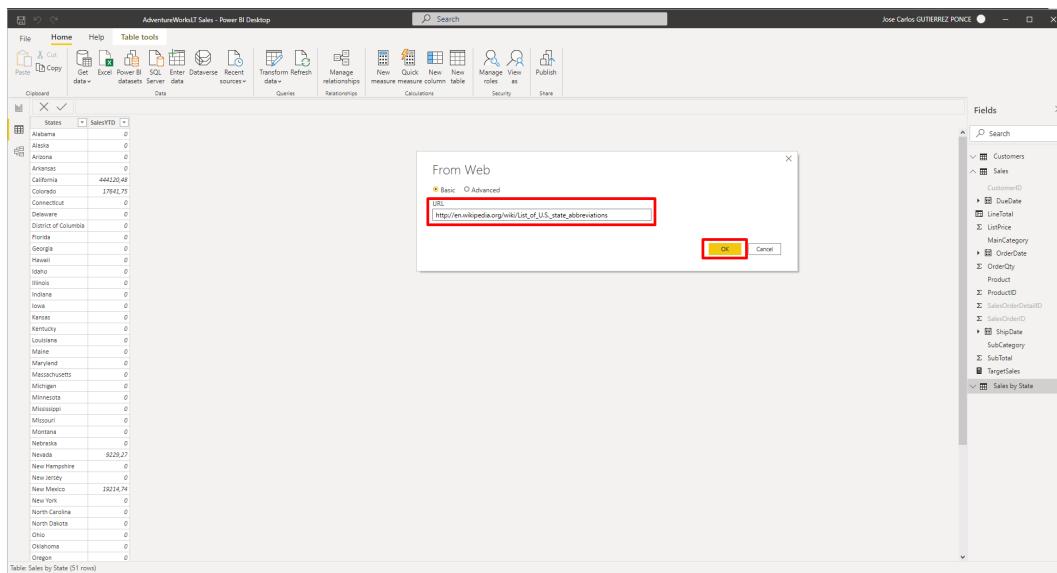
3.5. En el cuadro Name, escriba Sales by State y luego haga clic en Load.

State	SalesYTD
1 Alabama	0
2 Alaska	0
3 Arizona	0
4 Arkansas	0
5 California	444120.48
6 Colorado	17641.75
7 Connecticut	0
8 Delaware	0
9 District of Columbia	0
10 Florida	0
11 Georgia	0
12 Hawaii	0
13 Idaho	0
14 Illinois	0
15 Indiana	0
16 Iowa	0
17 Kansas	0
18 Kentucky	0
19 Louisiana	0
20 Maine	0
21 Maryland	0
22 Massachusetts	0

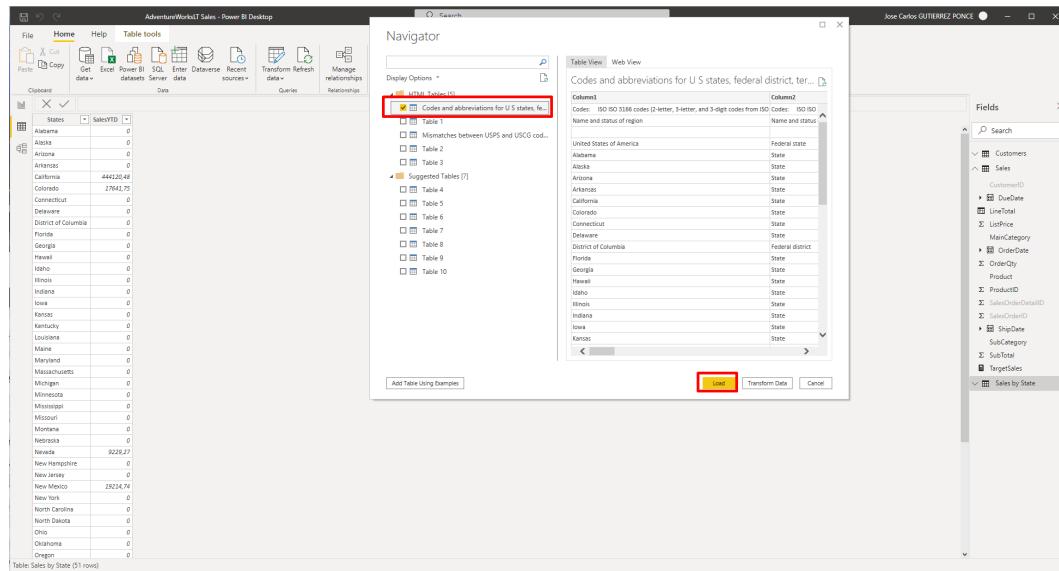
3.6. En la cinta Home, haga clic en Get Data y luego en Web.



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



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



3.9. 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.

Column1	Column2	Column3	Column4	Column5	Column6
South Carolina	State	US-SC	SC	45	SC
Tennessee	State	US-TN	TN	46	SD
Texas	State	US-TX	TX	47	TN
Vermont	State	US-VT	VT	48	TX
Virginia	State	US-VA	VA	49	UT
Washington	State	US-WA	WA	50	VT
West Virginia	State	US-WV	WV	51	VA
Wisconsin	State	US-WI	WI	52	WA
Wyoming	State	US-WY	WY	53	WV
American Samoa	Insular area (territory)	ASAMM010100-A5	AS	54	WI
Guam	Insular area (territory)	GUGUM010100-GU	GU	55	WY
Northern Mariana Islands	Insular area (commonwealth)	MNMNS0101-MP	MP	56	AA
Puerto Rico	Insular area (commonwealth)	PAPR010100-PR	PR	57	AE
U.S. Virgin Islands	Insular area (territory)	VR010100-VI	VI	58	MM
U.S. Minor Outlying Islands	Insular areas	URUMUS0101-US	UM	59	CZ
Baker Island	Island	UM-81		60	NB
Howland Island	Island	UM-84		61	PI
Jarvis Island	Island	UM-86		62	TT
Johnson Atoll	atoll	UM-87		63	
Kingman Reef	atoll	UM-89		64	
Midway Islands	atoll	UM-71		65	
Nawaoa Island	island	UM-76		66	
Palmyra Atoll[1]	atoll[1]	UM-95		67	
West Island	atoll	UM-79		68	
Micronesia	Federally associated state	FMMHS0055	FM	69	
Marshall Islands	Federally associated state	MNHMH0044	MH	70	
Palau	Federally associated state	PAPPL0055	PW	71	
U.S. Armed Forces - Americas[2]	U.S. military mail code			72	
U.S. Armed Forces - Europe[2]	U.S. military mail code			73	
Northern Mariana Islands	Obsolete postal code[1]			74	
Panama Canal Zone	Obsolete postal code	PZPCZ0044		75	
Nebraska	Obsolete postal code[1]			76	
Philippine Islands	Obsolete postal code	PHPHL0030	PI	77	
Turk Territory of the Pacific Islands	Obsolete postal code	POPOC0022		78	

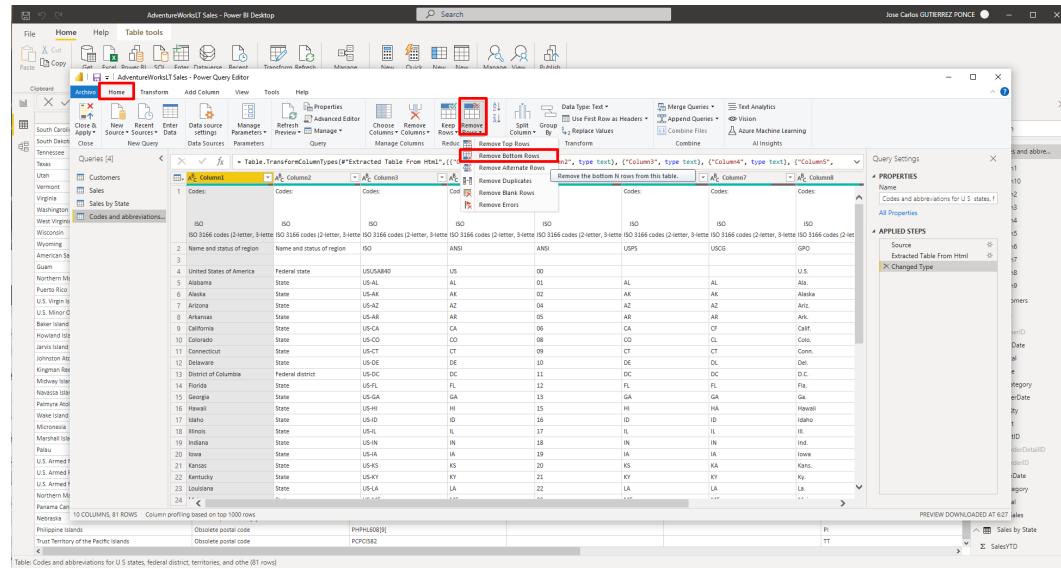
3.10. En el Editor de consultas, en el panel Query, haga clic en Codes and abbreviations for U.S. states, territories and other regions.

The screenshot shows the Power BI Desktop application window. The ribbon at the top has 'Home' selected. In the center, there's a table titled 'Codes and abbreviations for U.S. states, territories and other regions (81 rows)'. The table has columns labeled 'Column1', 'Column2', 'Column3', 'Column4', 'Column5', and 'Column6'. The data includes various US state abbreviations like SC, SD, TX, UT, VA, WA, WV, WI, WY, and AZ, along with their corresponding ISO codes and names. To the right of the table, the 'Fields' pane is open, showing a list of fields such as 'CustomerID', 'Date', 'LineTotal', 'ListPrice', 'ManufactureCategory', 'OrderDate', 'OrderQty', 'ProductID', 'Sales', 'SalesOrderDetailID', 'SalesOrderID', 'ShipDate', 'SubCategory', 'SubTotal', 'TargetSales', and 'SalesYTD'. A red box highlights the 'Transform data' icon in the ribbon.

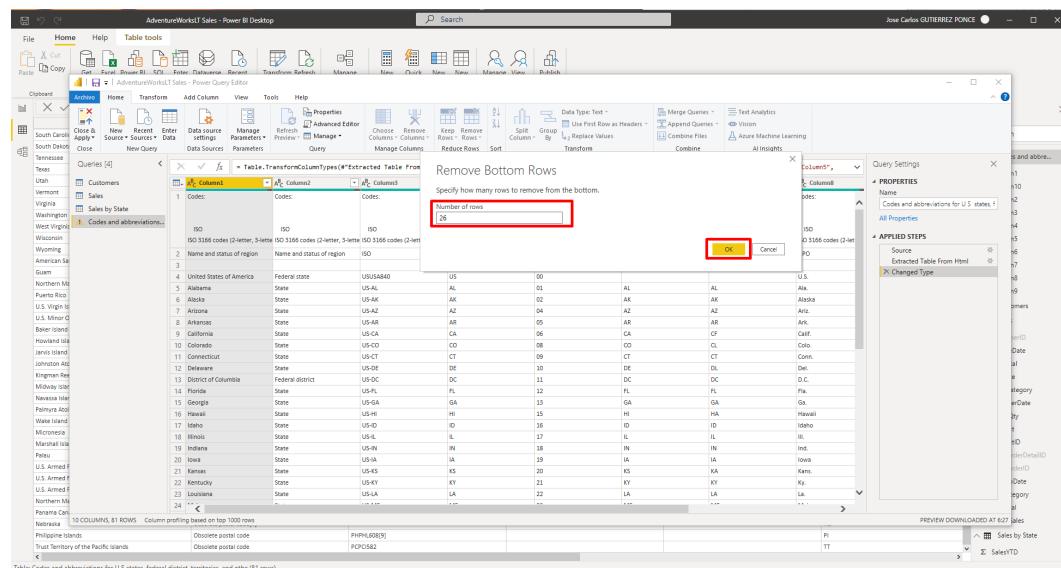
3.11. En la cinta Home, haga clic en Reduce Rows, haga clic en Remove Rows y, a continuación, haga clic en Remove Bottom Rows.

This screenshot shows the same Power BI Desktop interface as the previous one, but with the 'Remove Bottom Rows' step highlighted in the 'APPLIED STEPS' pane. The 'APPLIED STEPS' pane lists the following steps: 'Source' (Extracted Table From Html), 'Changed Type', and 'Remove Bottom Rows'. A red box highlights the 'Remove Bottom Rows' step. The main area shows the same 'Codes and abbreviations' table. The 'Properties' pane on the right shows various properties for the table, including 'Name' and 'Type'.

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



3.13. 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.



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

The screenshot shows the Power BI Desktop interface with the 'AdventureWorld Sales - Power BI Desktop' window open. In the 'Queries' pane, there is one query named 'Codes and abbreviations'. The 'Header' column is highlighted with a yellow selection bar. The main grid contains data for US states, including columns for ISO, ANS, ANSI, USPS, USGS, GPO, AP, and Otherabbreviations. The 'APPLIED STEPS' pane on the right shows the step 'Removed last (#"Changed Type", 20)'.

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

This screenshot shows the same Power BI Desktop environment as the previous one, but with a red box highlighting the 'Remove Columns' button in the 'Manage Columns' ribbon tab. The 'Header' column is still selected with a yellow highlight. The data grid and the 'APPLIED STEPS' pane remain the same.

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

The screenshot shows the Power BI Desktop interface with the 'Query Settings' dialog box open. In the 'Properties' section, the 'Name' field is set to 'States with Codes'. The 'OK' button at the bottom right of the dialog is highlighted with a red box. The main workspace shows a table named 'Table1' with columns for ISO codes and names of US states.

3.16. 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 in the 'Transform' group is highlighted with a red box. A 'Query Properties' dialog box is open, showing the 'Name' field set to 'States with Codes'. The 'OK' button at the bottom right of the dialog is also highlighted with a red box. The main workspace shows the same table 'Table1' with state data.

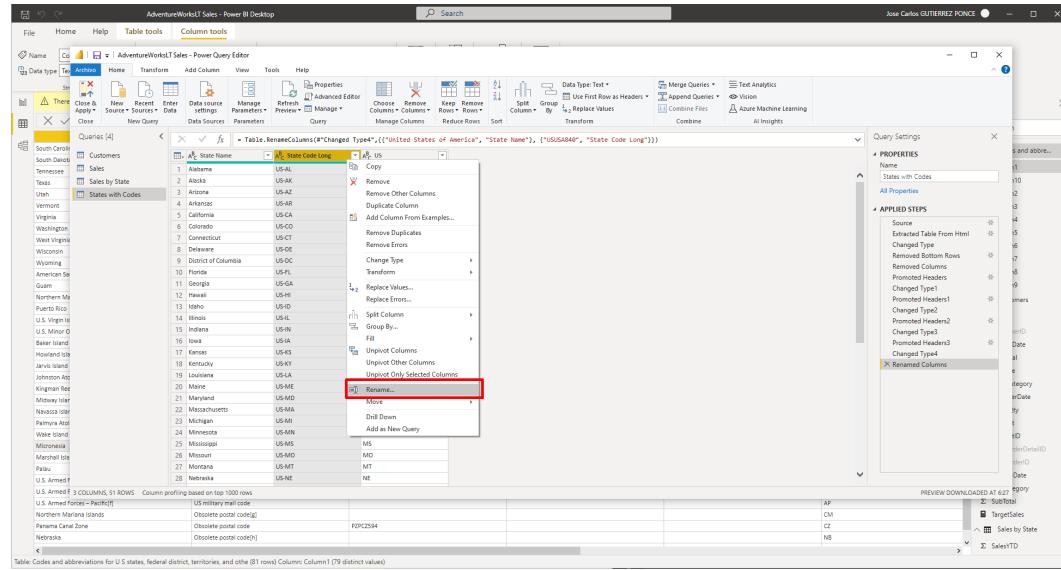
3.17. Haga clic con el botón derecho en el encabezado de la columna United States of America, haga clic en Rename, escriba State Name y luego presione Enter.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorkLT Sales - Power BI Desktop' file open. In the 'Queries' pane, 'States with Codes' is selected. The main area displays a table with columns: ISO, ISO 3166 codes (2-letter, 3-letter), ISO 3166 codes (2-letter), ISO 3166 codes (2-letter, 3-letter), and ISO. The 'United States of America' column is highlighted. A context menu is open over this column, with the 'Rename...' option selected. The 'APPLIED STEPS' pane on the right shows the step 'Renamed Headers'. The status bar at the bottom indicates 'PREVIEW DOWNLOADED AT 6/22'.

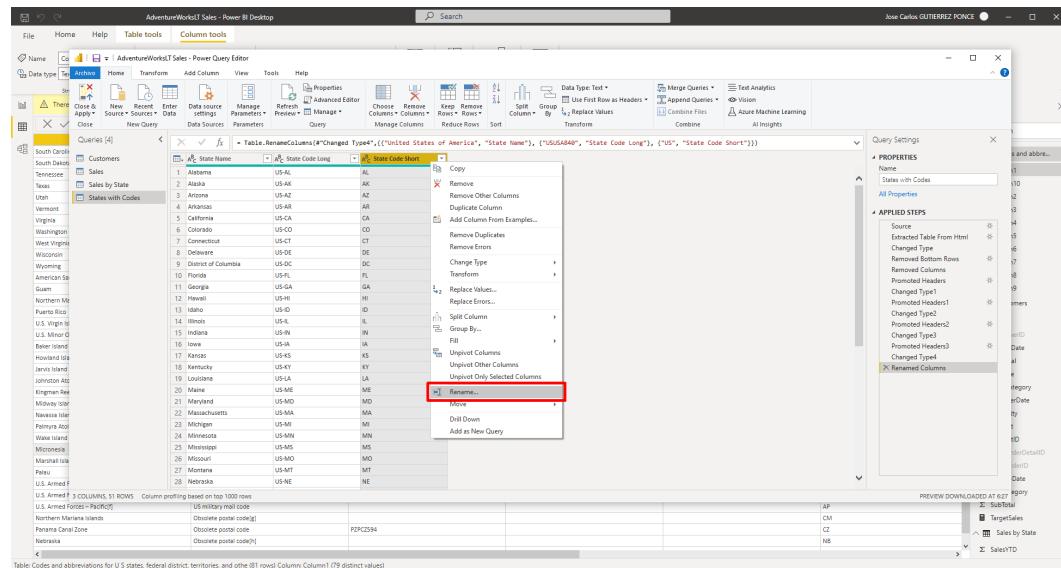
3.18. Haga clic con el botón derecho en el encabezado de la columna United States of America, haga clic en Rename, escriba State Name y luego presione Enter

This screenshot is identical to the previous one, showing the Power BI Desktop interface with the 'AdventureWorkLT Sales - Power BI Desktop' file open. The 'States with Codes' query is selected in the 'Queries' pane. The 'United States of America' column is highlighted, and the context menu is open with 'Rename...' selected. The 'APPLIED STEPS' pane shows multiple steps, including 'Renamed Headers' and several 'Changed Type' steps. The status bar at the bottom indicates 'PREVIEW DOWNLOADED AT 6/22'.

3.19. 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.



3.20. 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.



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

The screenshot shows the Power BI Desktop interface with the 'AdventureWorksLT Sales - Power BI Desktop' file open. In the top ribbon, the 'Table tools' tab is selected. The 'Queries' pane on the left lists four queries: 'Customers', 'Sales', 'Sales by State', and 'States with Codes'. The 'Sales by State' query is currently selected. The main workspace displays a table titled 'Sales' with columns 'State' and 'SalesYTD'. The 'APPLIED STEPS' pane on the right shows a single step: 'Changed Type' under the 'Source' category. The status bar at the bottom indicates 'PREVIEW DOWNLOADED AT 6:34'.

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

This screenshot shows the same Power BI Desktop environment as the previous one. The 'Sales by State' query is still selected in the 'Queries' pane. However, the 'APPLIED STEPS' pane now shows two steps: 'Changed Type' and 'Merge Queries' under the 'Source' category. The 'Merge Queries' step is highlighted with a red box. The status bar at the bottom remains 'PREVIEW DOWNLOADED AT 6:34'.

3.23. 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 'AdventureWorldLT Sales - Power BI Desktop' file open. In the 'Queries' pane, there are two tables: 'Sales by State' and 'States with Codes'. The 'Sales by State' table has 51 rows and 2 columns. The 'States with Codes' table has 50 rows and 3 columns. A 'Merge' dialog box is displayed over the main workspace. The 'Sales by State' table is selected as the source for the merge. The 'States' column is highlighted with a red box. The 'Merge' dialog box contains the following text:
 Select a table and matching columns to create a merged table.
Sales by State
 Name
 Alabama 0
 Alaska 0
 Arizona 0
 Arkansas 0
 California 444120,48
 Colorado 17641,75
 Connecticut 0
 Delaware 0
 District of Columbia 0
 Florida 0
 Georgia 0
 Hawaii 0
 Idaho 0
 Illinois 0
 Indiana 0
 Iowa 0
 Kansas 0
 Kentucky 0
 Louisiana 0
 Maine 0
 Maryland 0
 Massachusetts 0
 Michigan 0
 Minnesota 0
 Mississippi 0
 Missouri 0
 Montana 0
 Nebraska 0
 Nevada 0
 New Hampshire 0
 New Jersey 0
 New Mexico 0
 New York 0
 North Carolina 0
 North Dakota 0
 Ohio 0
 Oklahoma 0
 Oregon 0
 Pennsylvania 0
 Rhode Island 0
 South Carolina 0
 South Dakota 0
 Tennessee 0
 Texas 0
 Utah 0
 Vermont 0
 Virginia 0
 Washington 0
 West Virginia 0
 Wisconsin 0
 Wyoming 0
 U.S. Virgin Islands 0
 U.S. Armed Forces - Pacific 0
 Northern Mariana Islands 0
 Panama Canal Zone 0
 Nebraska 0
 Table: Codes and abbreviations for US states, federal district, territories, and other (81 rows) Column: Column1 (79 distinct values)

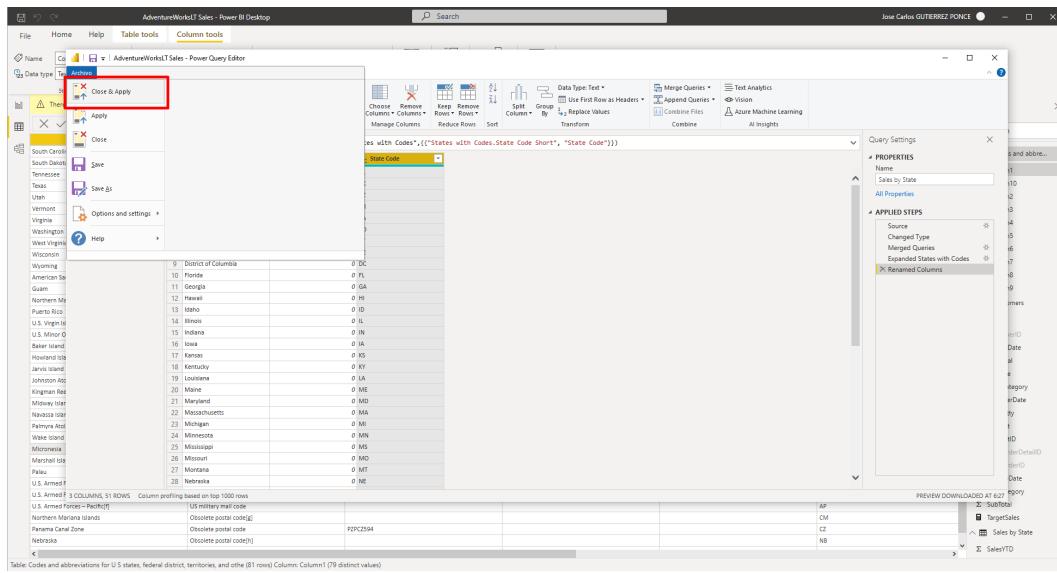
3.24. En la lista, haga clic en States with Codes, haga clic en la columna State Name y, a continuación, haga clic en OK. La nueva columna se agrega a la tabla y contiene la tabla States with Codes combinados.

The screenshot shows the Power BI Desktop interface with the 'AdventureWorldLT Sales - Power BI Desktop' file open. The 'Merge' dialog box is displayed over the main workspace. The 'States with Codes' table is selected as the source for the merge. The 'State Name' column is highlighted with a red box. The 'Merge' dialog box contains the following text:
 Select a table and matching columns to create a merged table.
Sales by State
 States SalesID
 Alabama 0
 Alaska 0
 Arizona 0
 Arkansas 0
 California 444120,48
States with Codes
 State Name State Code Long State Code Short
 Alabama AL AL
 Alaska AK AK
 Arizona AZ AZ
 Arkansas AR AR
 California CA CA
 Join Kind
 Left Outer (all from first, matching from second)
 Use fuzzy matching to perform the merge
 Fuzzy matching options
 The selection matches 51 of 51 rows from the first table.
 OK Cancel

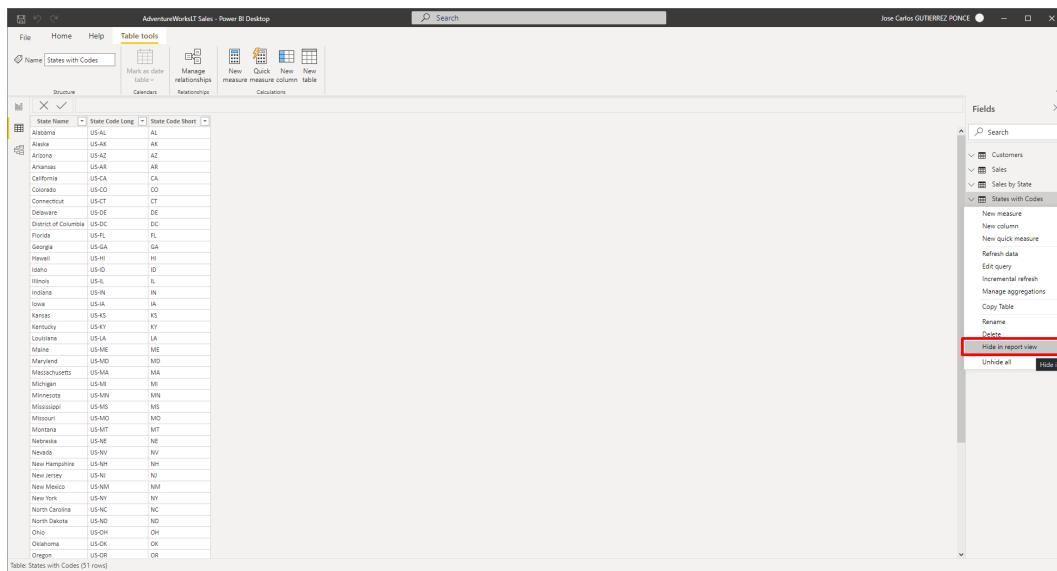
3.25. En el encabezado de la columna, haga clic en el icono Expand, desactive (Select All Columns), seleccione State Code Short y luego haga clic en OK. La columna ahora muestra solo los códigos de estado.

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

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

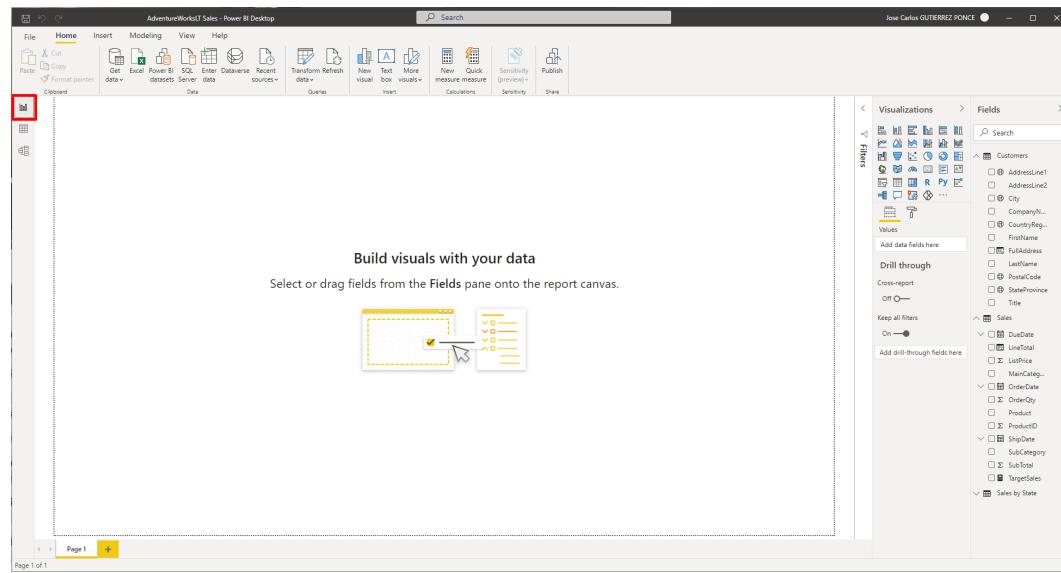


3.28. En el panel Fields (File), haga clic con el botón derecho en States with Codes y luego haga clic en Hide in Report View.

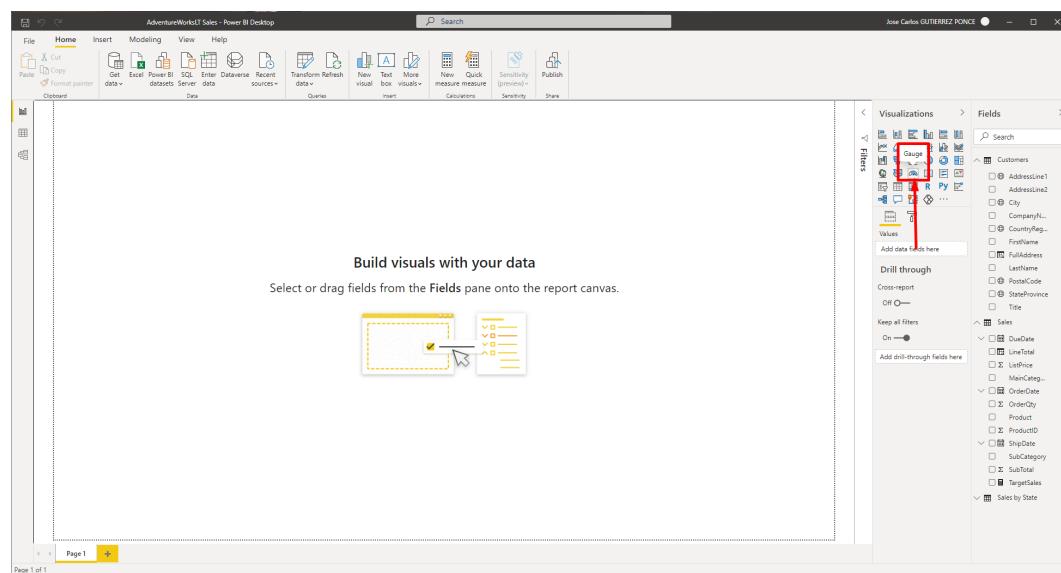


4. Construyendo Reportes en Power BI

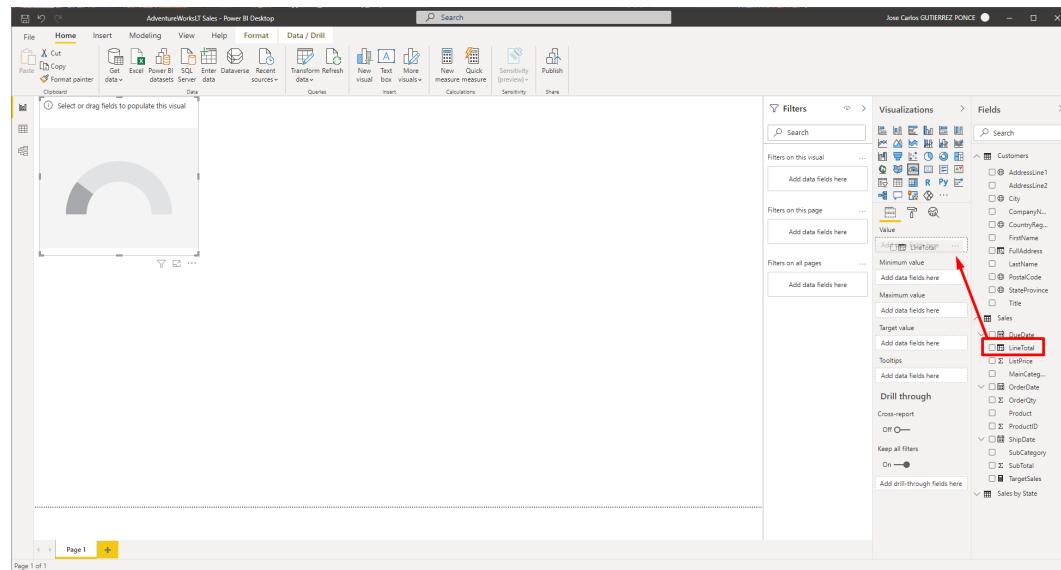
4.1. En Power BI Desktop, en la barra de navegación izquierda, haga clic en Report.



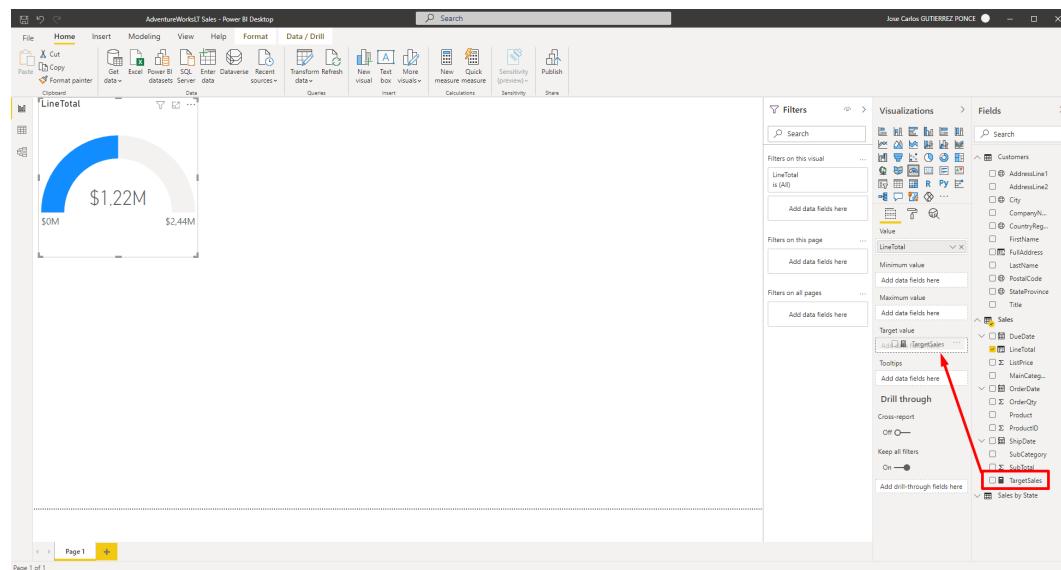
4.2. En el panel Visualizations, haga clic en Gauge.



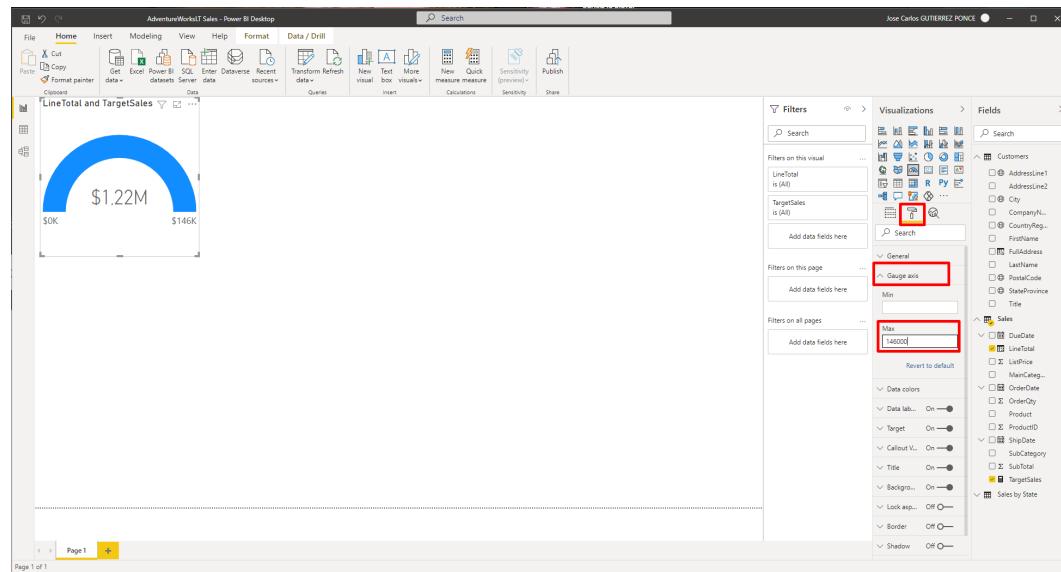
4.3. Arrastre el campo LineTotal de la tabla Sales a la propiedad Value del indicador.



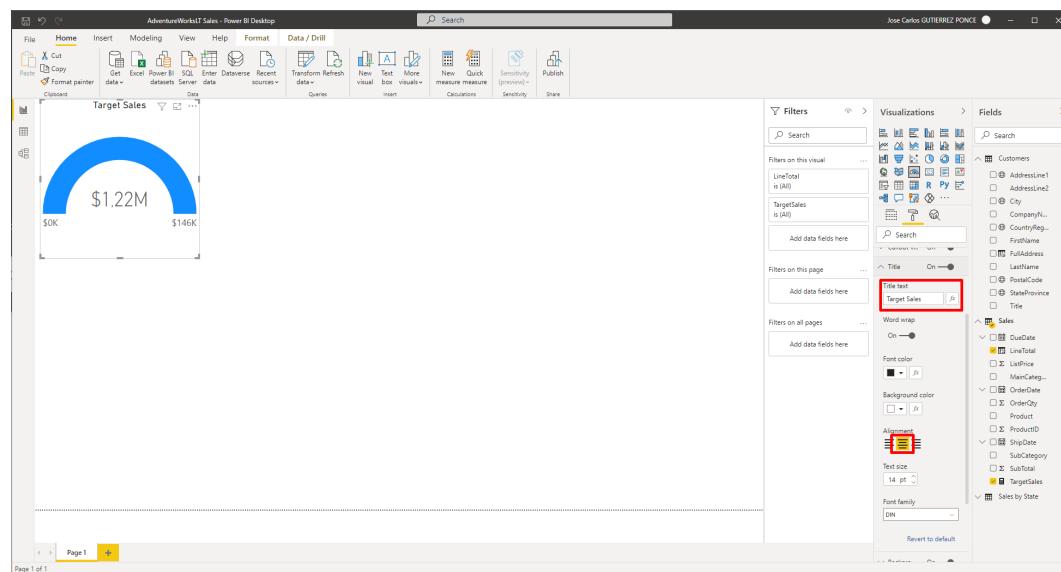
4.4. Arrastre la medida TargetSales de la tabla Sales a la propiedad Targetvalue del indicador.



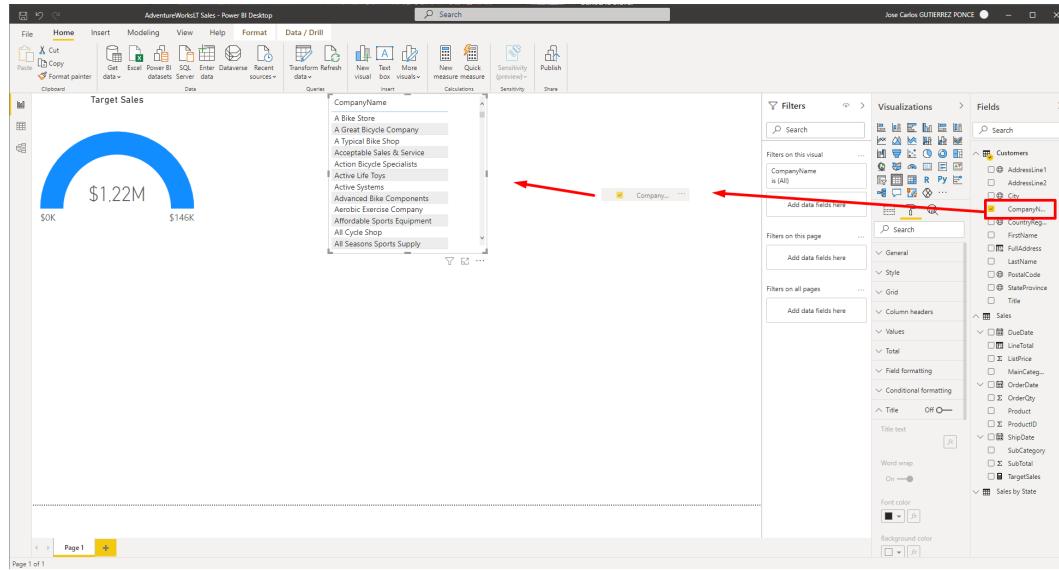
4.5. Haga clic en Format, expanda Gauge axis y, a continuación, en el cuadro Máx, escriba 146000.



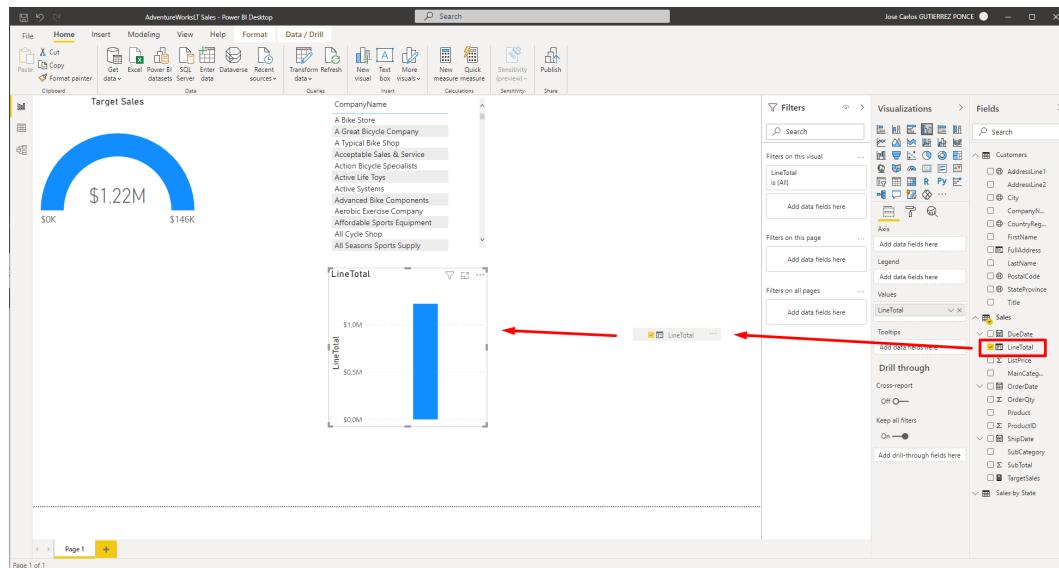
4.6. Expanda Title, en el cuadro Title Text, escriba Target Sales y luego haga clic en Center.



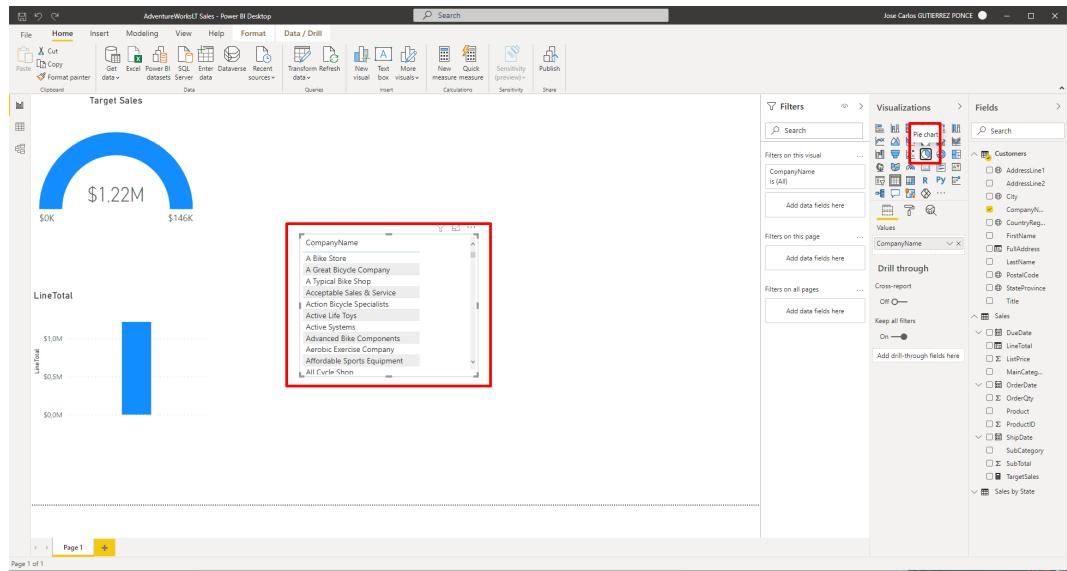
4.7. Haga clic en el lienzo del informe y luego arrastre el campo CompanyName de la tabla Customers al informe. Power BI crea automáticamente una tabla.



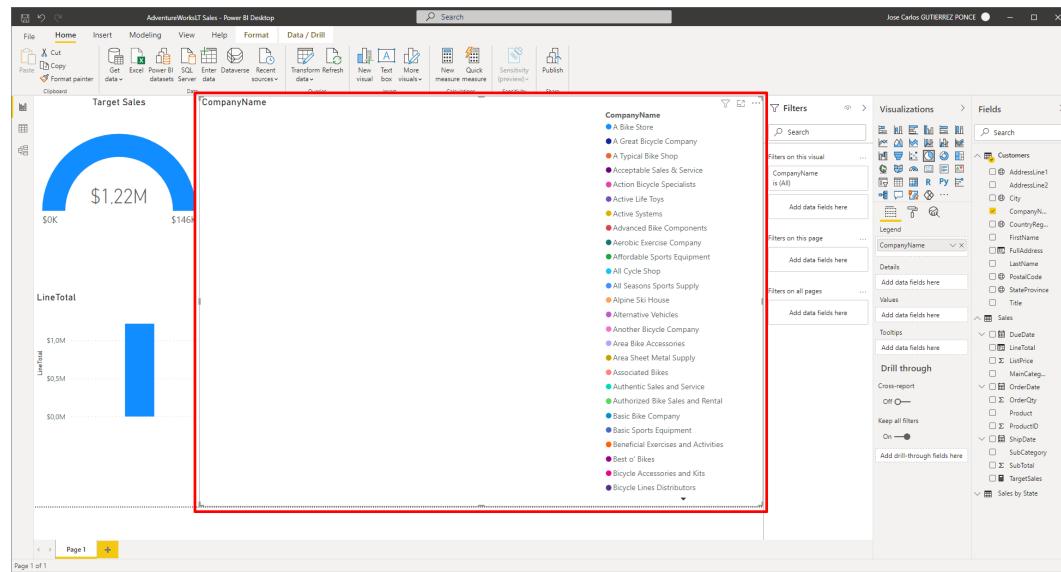
4.8. Arrastre el campo LineTotal de la tabla Sales al informe.



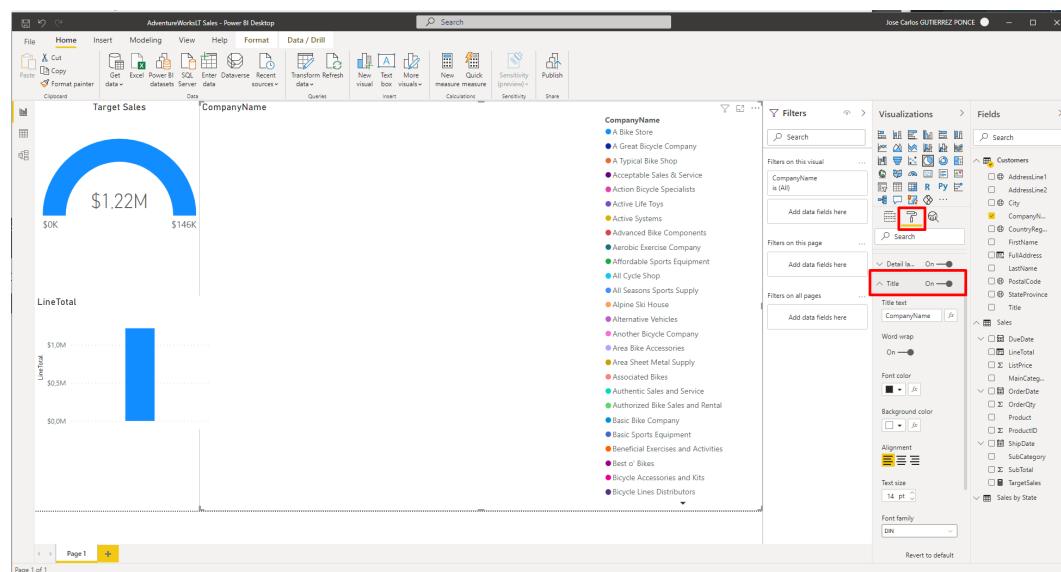
4.9. Asegúrese de que la tabla tenga el foco y, a continuación, en el panel Visualizations, haga clic en Pie chart.



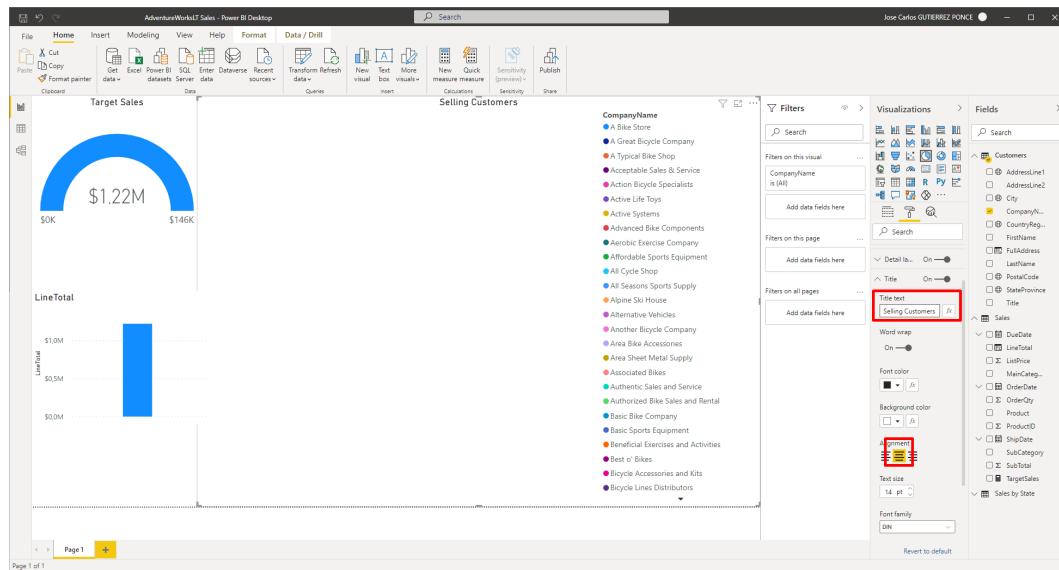
4.10. Expanda el gráfico para hacer visibles todos los nombres de las empresas utilizando los controladores de tamaño en el borde del gráfico.



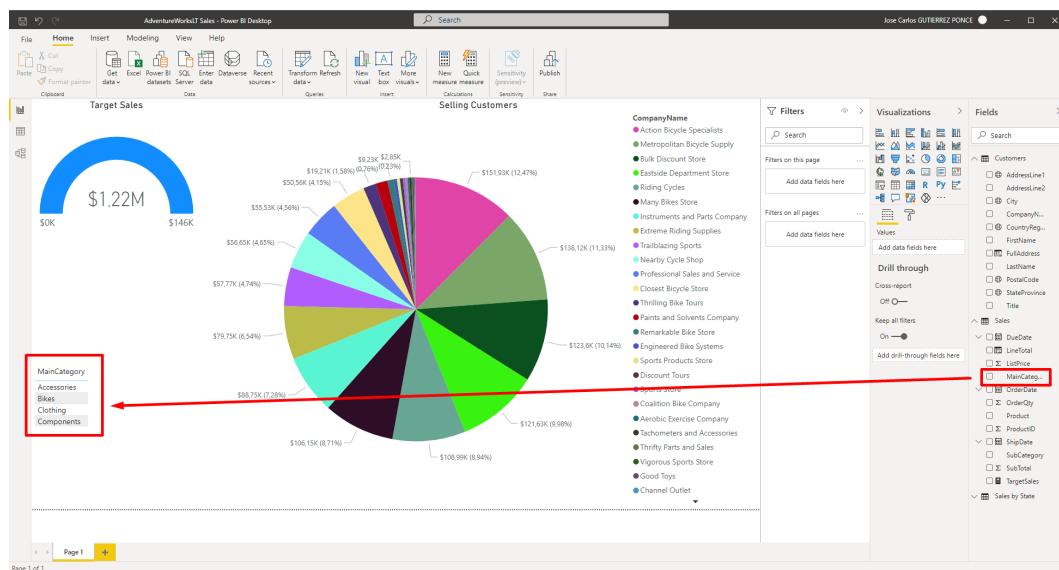
4.11. Con el foco aún en el gráfico circular, haga clic en Format y luego expanda Tilte.



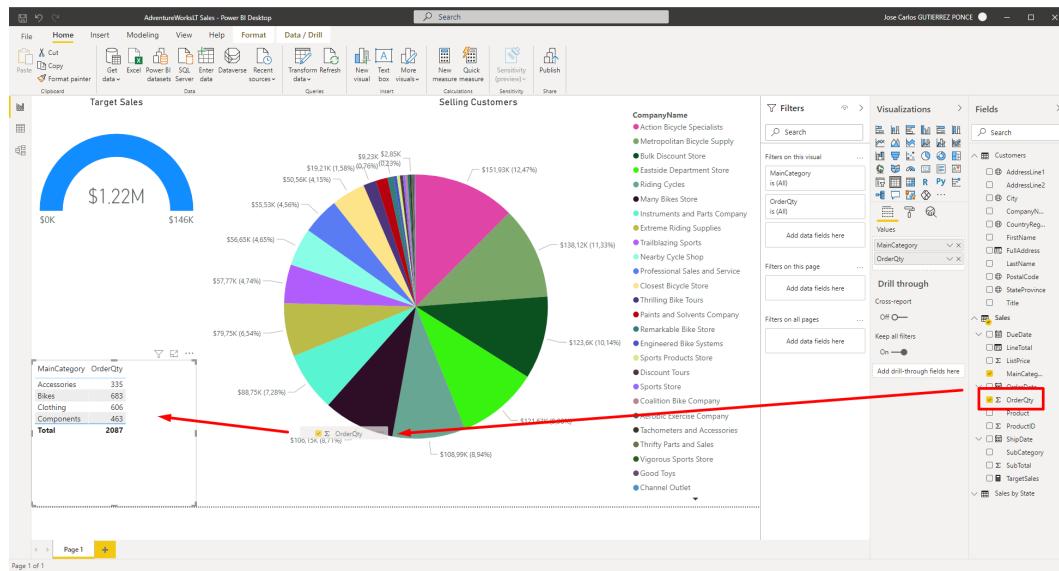
4.12. En el cuadro Title Text, escriba Top Selling Customers y luego haga clic en Center.



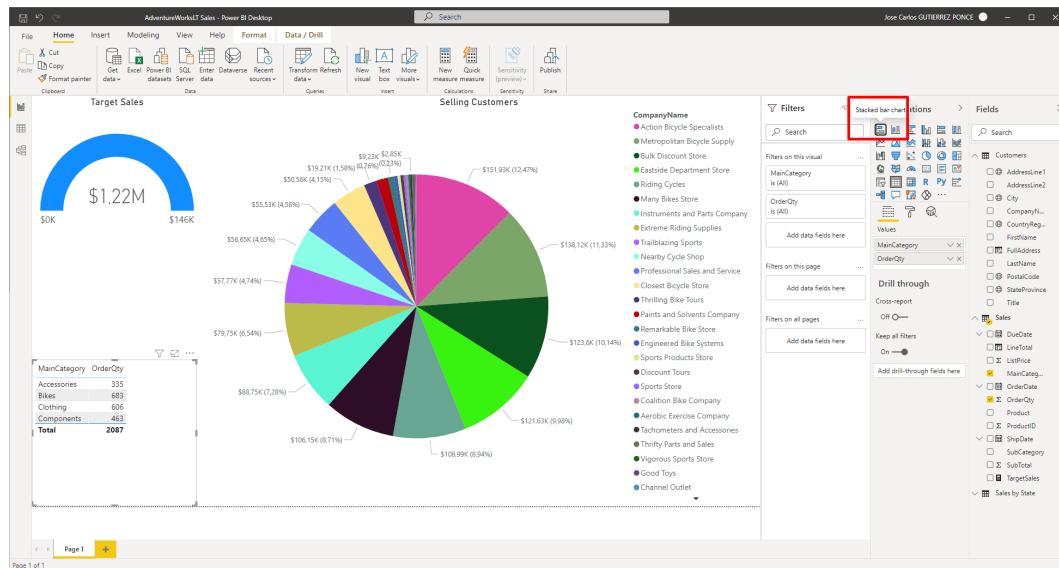
4.13. Arrastre el campo MainCategory de la tabla Sales al panel del informe. Power BI crea una tabla.



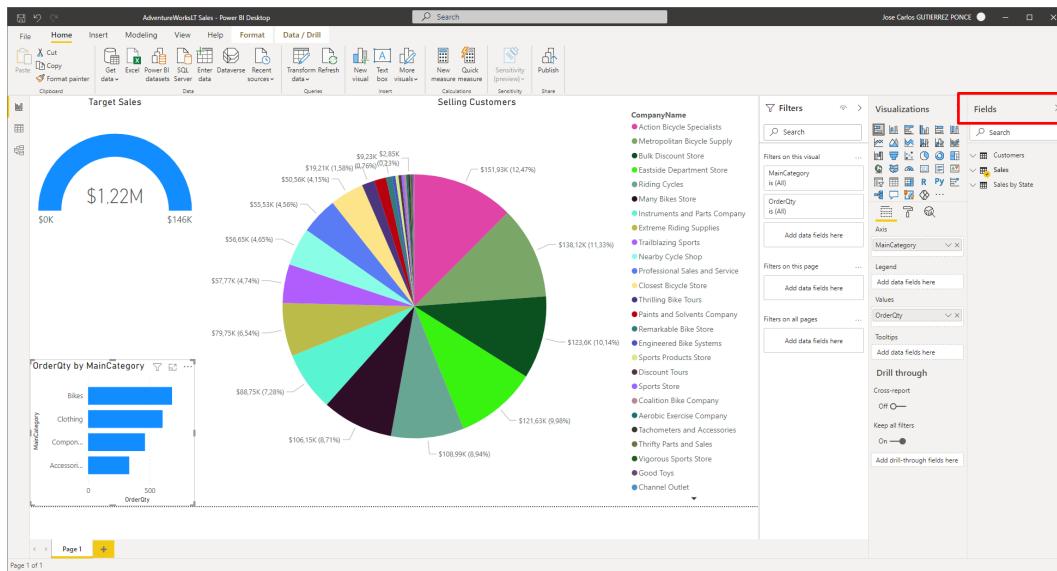
4.14. Arrastre el campo OrderQty a la tabla.



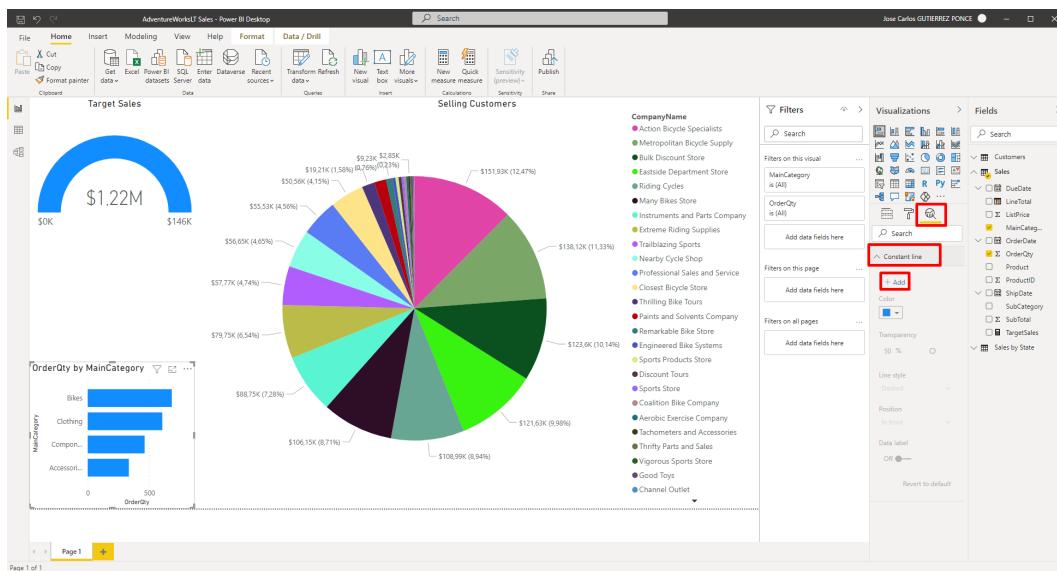
4.15. En el panel Visualizations, haga clic en Stacked bar chart.



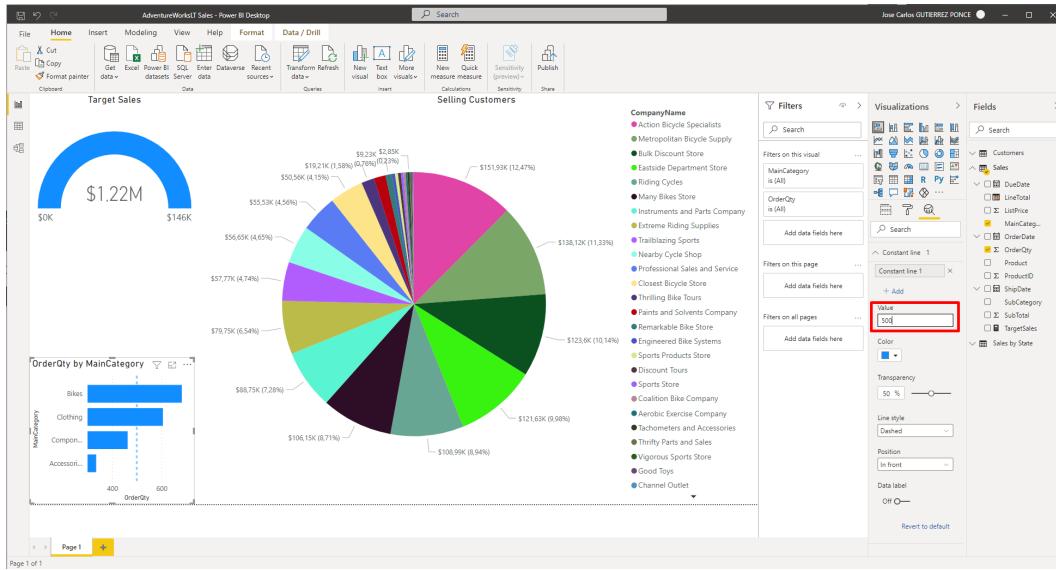
4.16. En el panel Visualizations, haga clic en Fields.



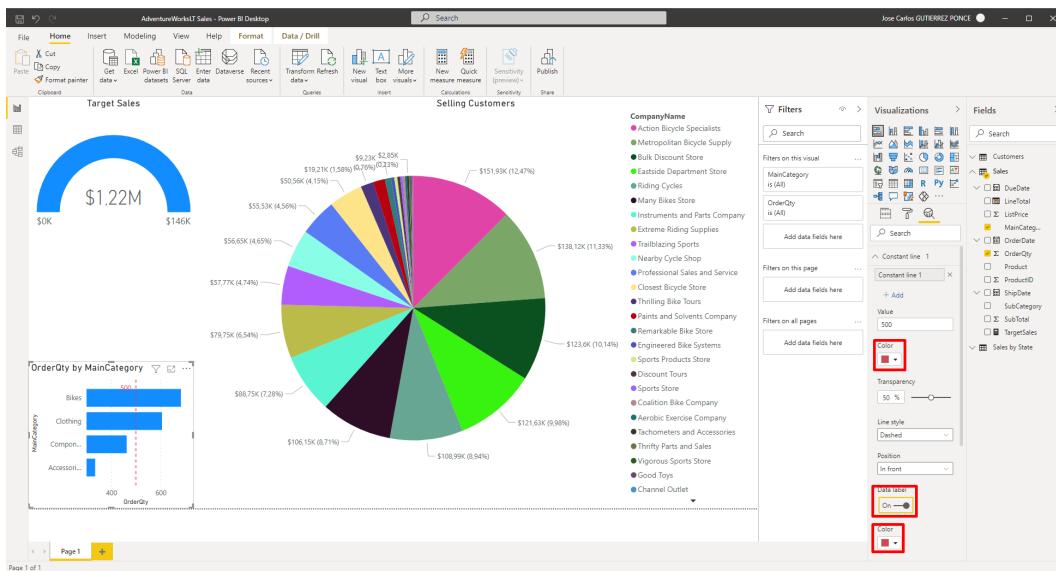
4.18. En el panel Visualizations, haga clic en Analytics, expanda Constant Line y luego haga clic en Add.



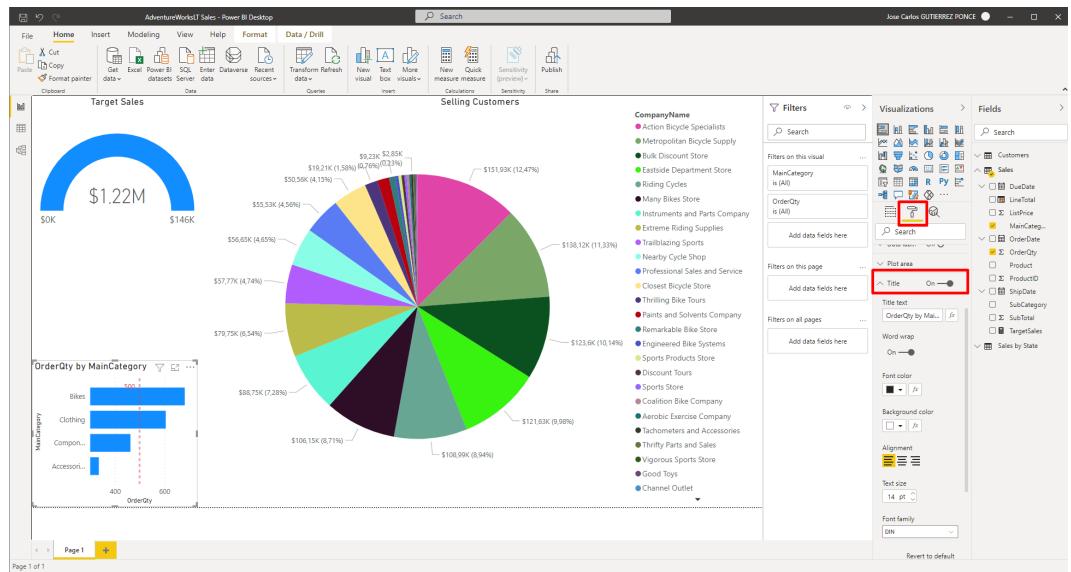
4.19. En el cuadro Value, escriba 500.



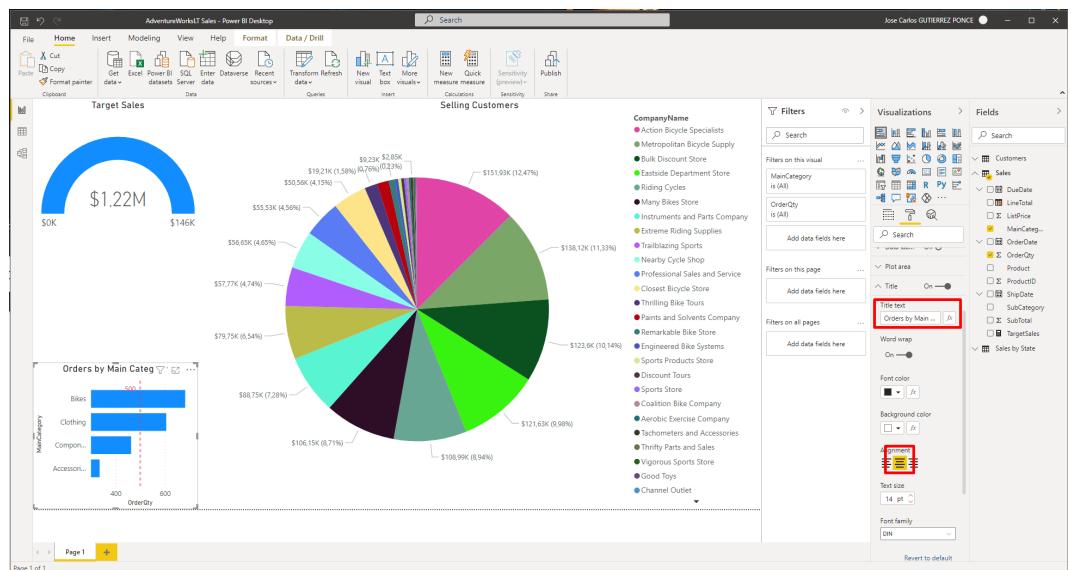
4.20. Cambie Color a rojo, cambie Data label a On y luego cambie el color a red.



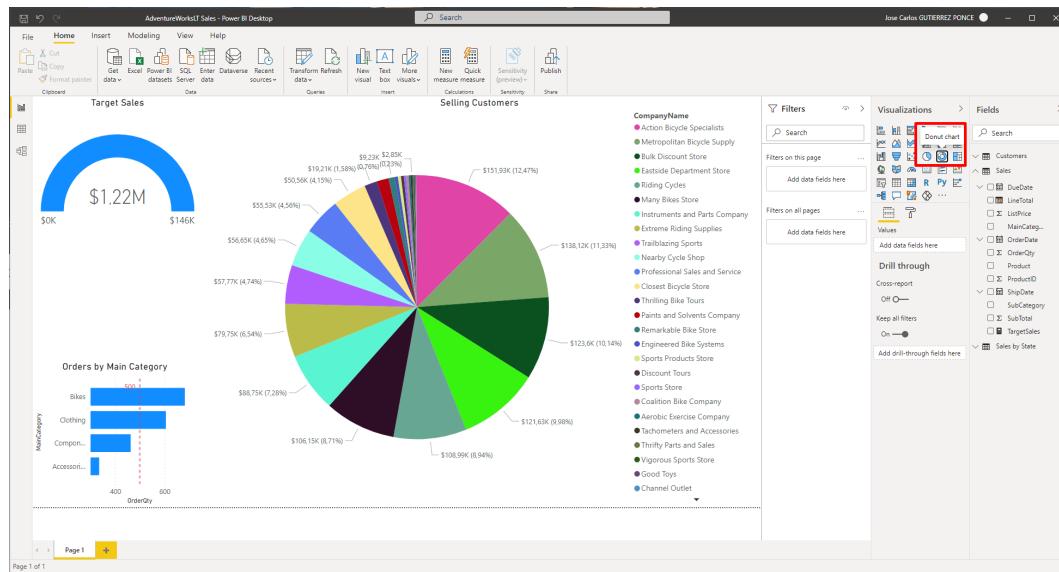
4.21. En el panel Visualizations, haga clic en Format y expanda Tilte.



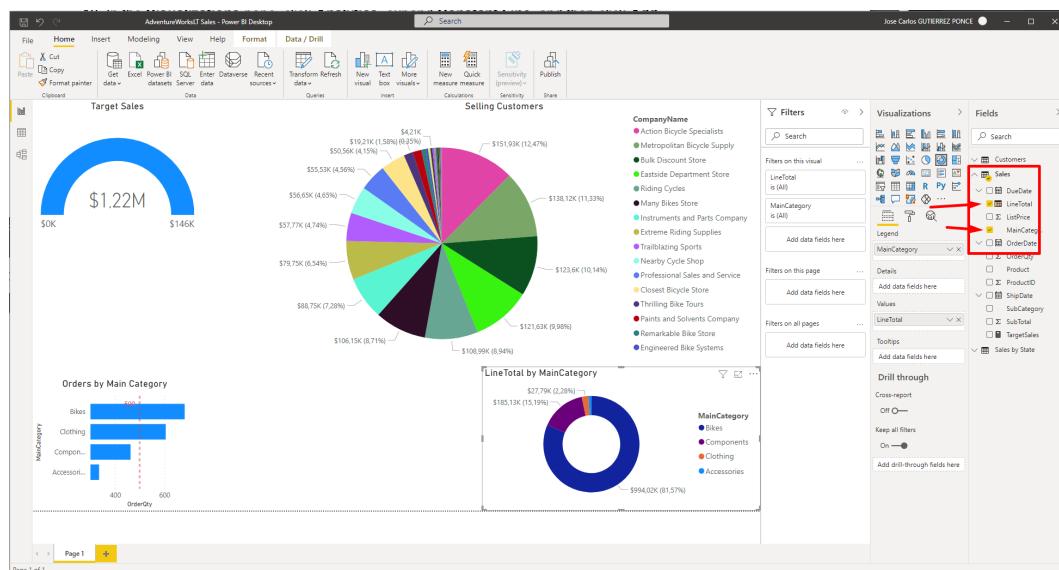
4.22. En el cuadro Title Text, escriba Orders by Main Category y luego haga clic en Center.



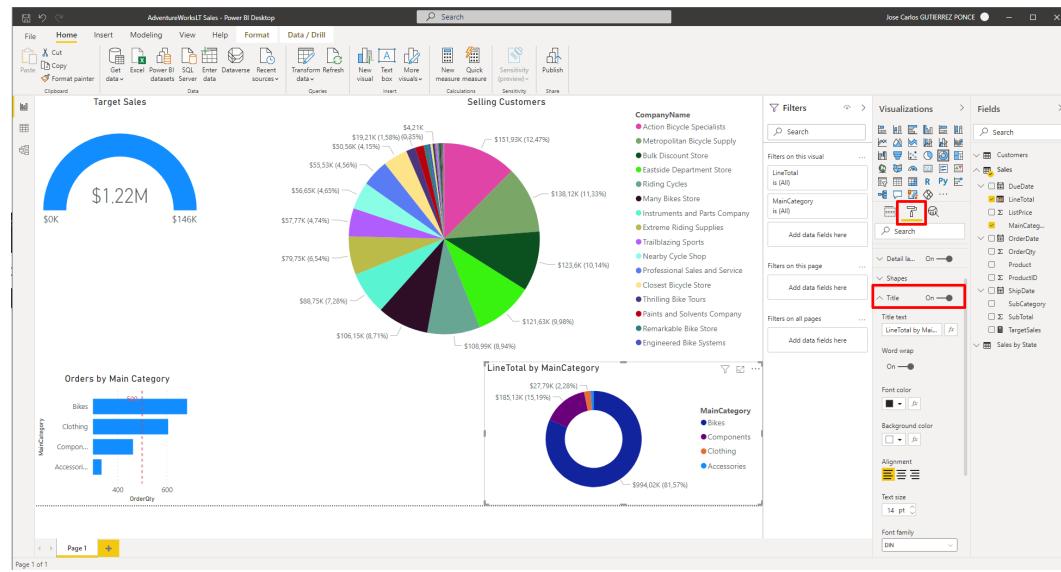
4.23. Haga clic en el lienzo del informe para enfocarlo y, a continuación, en el panel Visualizations, haga clic en Donut chart.



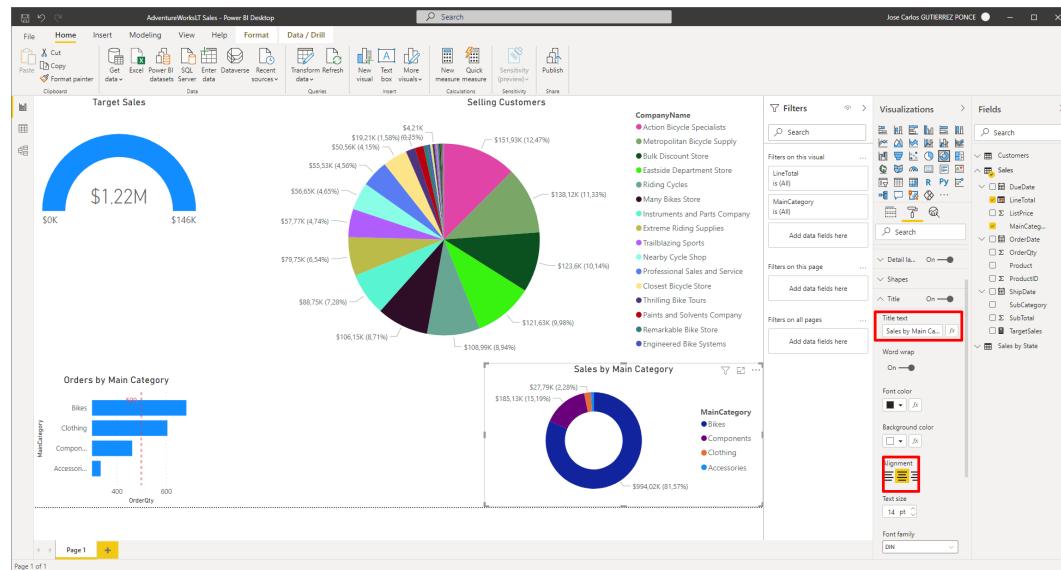
4.24. En la tabla Sales, seleccione MainCategory y LineTotal.



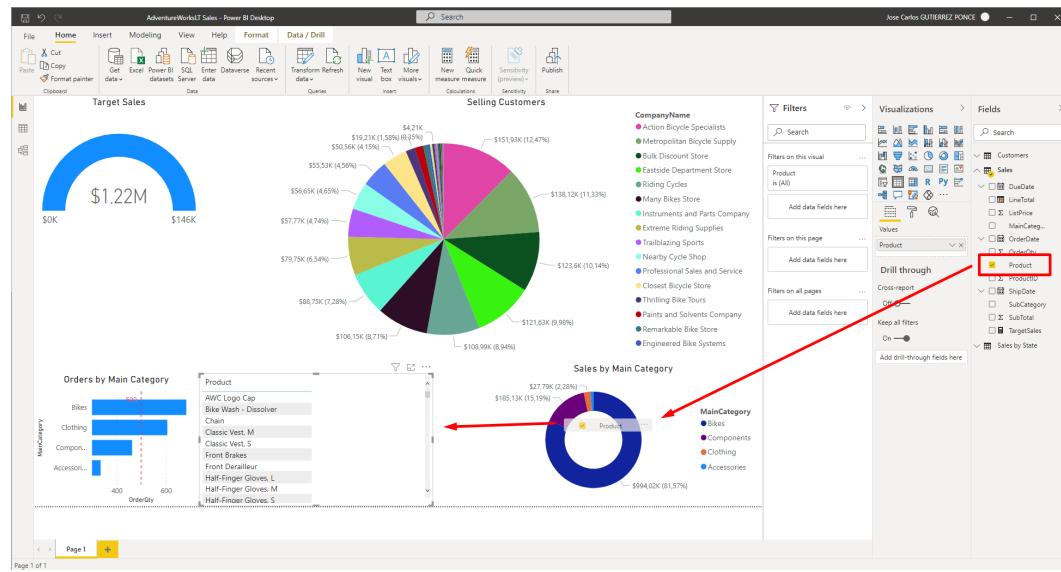
4.25. En el panel Visualizations, haga clic en Format y luego expanda Title.



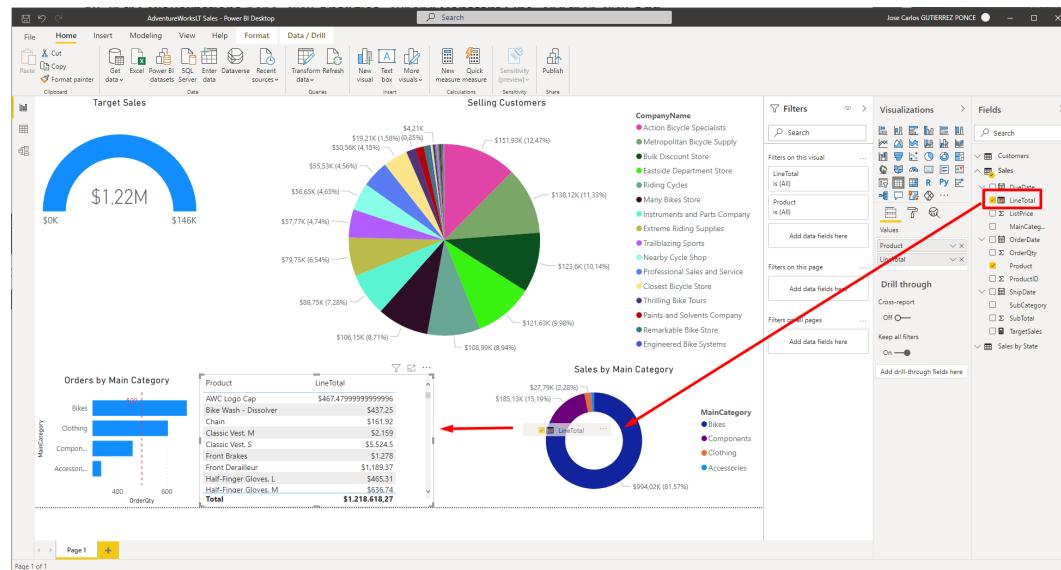
4.26. En el cuadro Title Text, escriba Sales by Main Category y luego haga clic en Center.



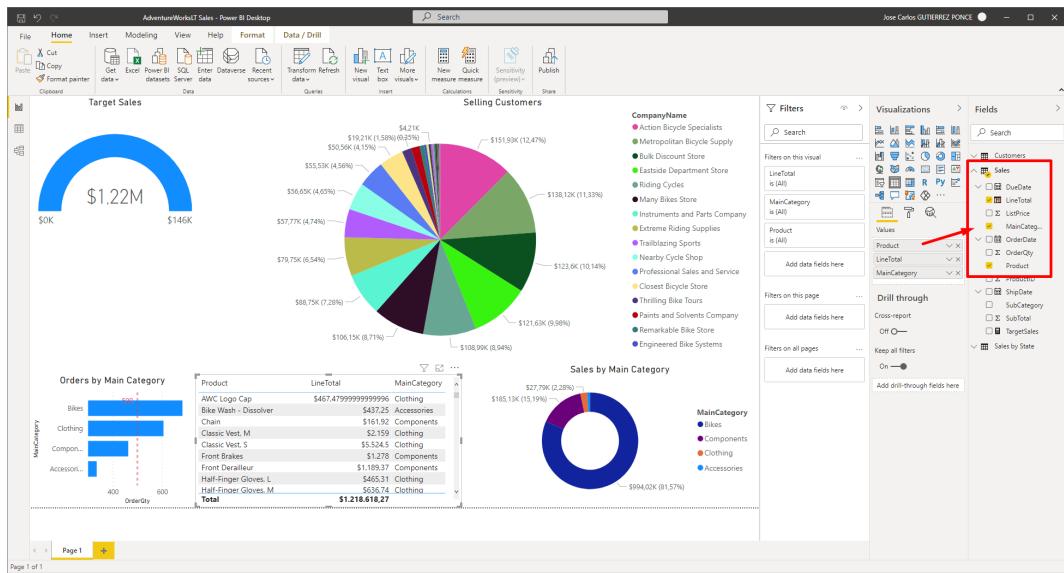
4.27. Arrastre el campo Product de la tabla Sales al lienzo del informe. Power BI crea una tabla.



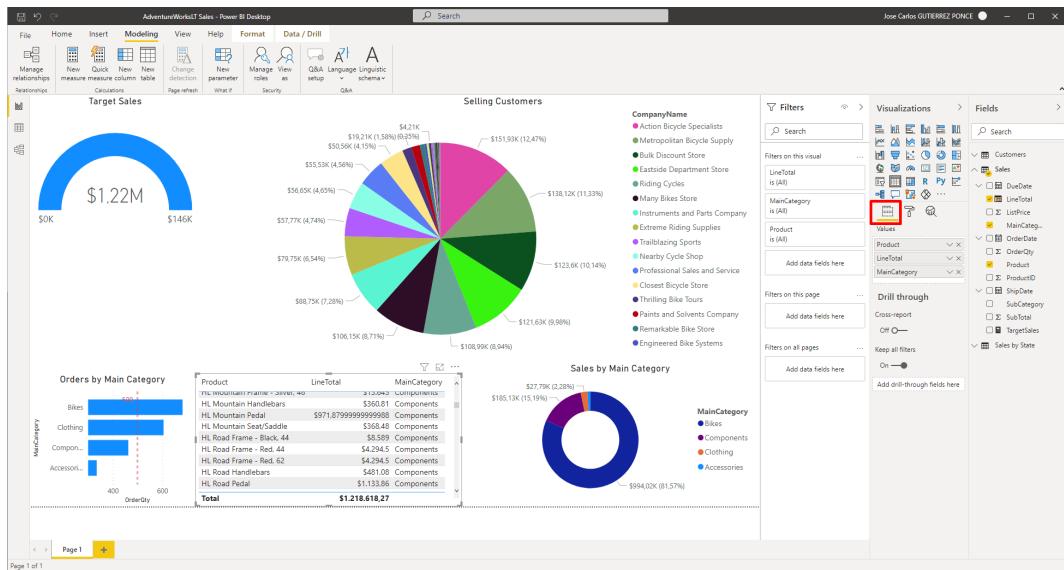
4.28. Arrastre el campo LineTotal de la tabla Sales al gráfico de tabla de productos.



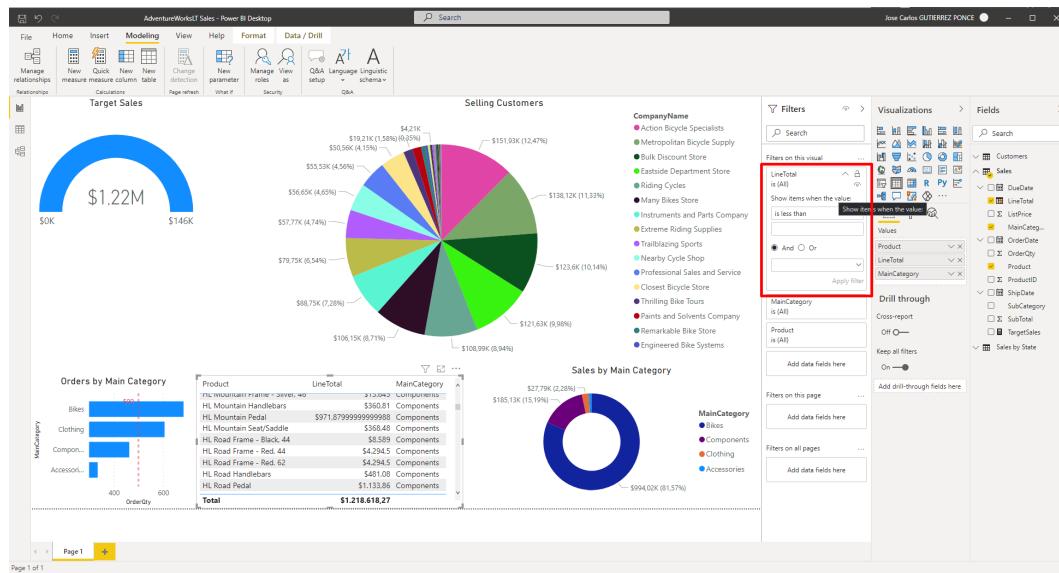
4.29. En la tabla Sales, seleccione el campo MainCategory.



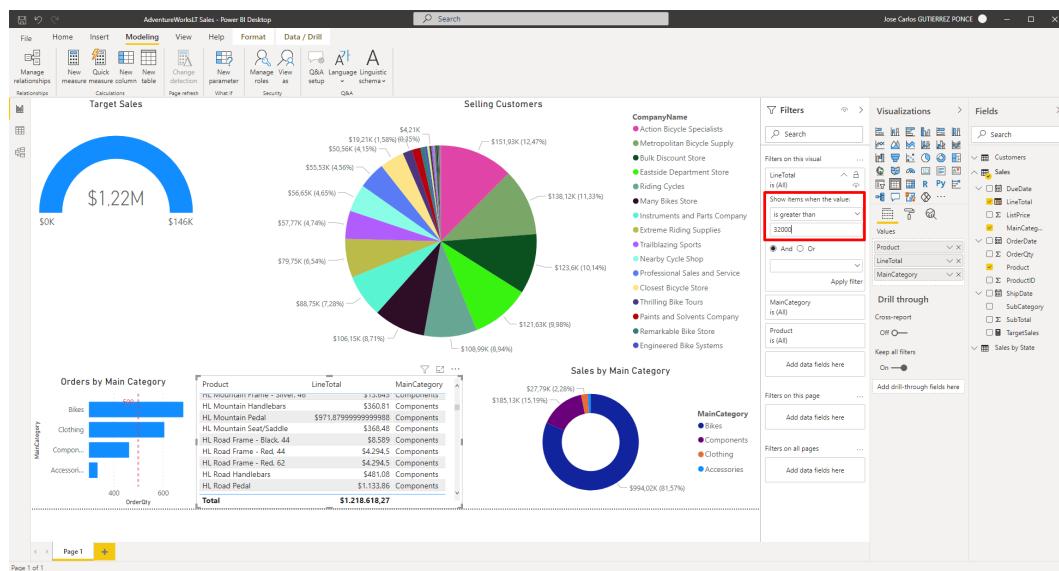
4.30. En el panel Visualizations, haga clic en Fields.



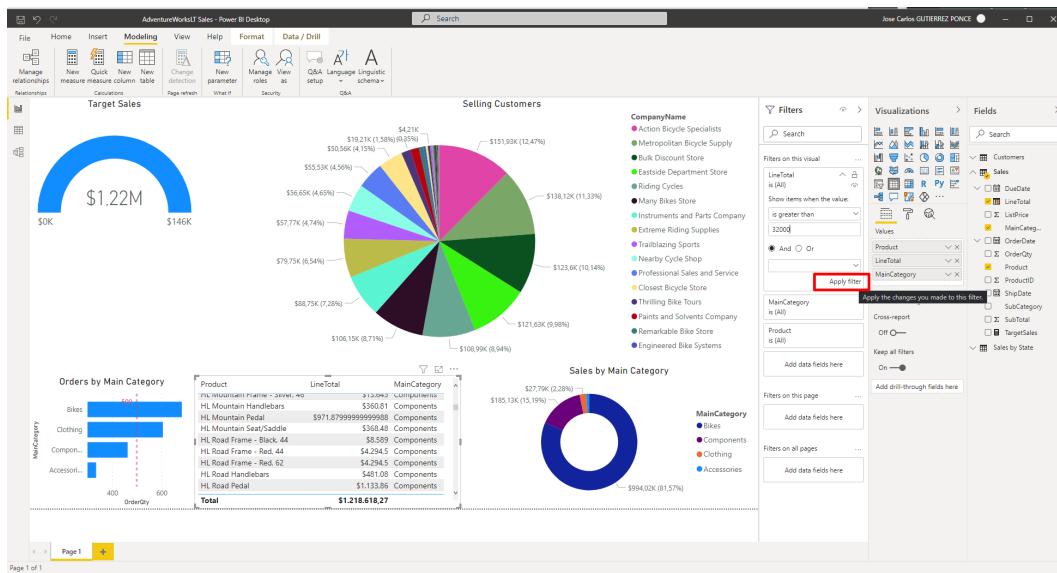
4.31. En el panel Filters, expanda LineTotal(All).



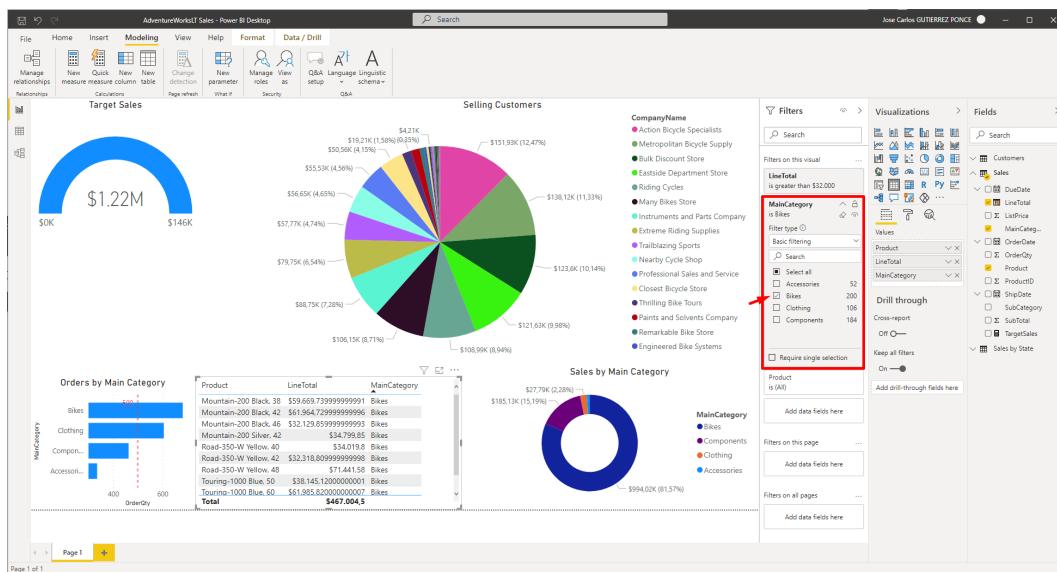
4.32. En la lista Show items when the value, seleccione is greater than y, a continuación, en el cuadro siguiente, escriba 32000.



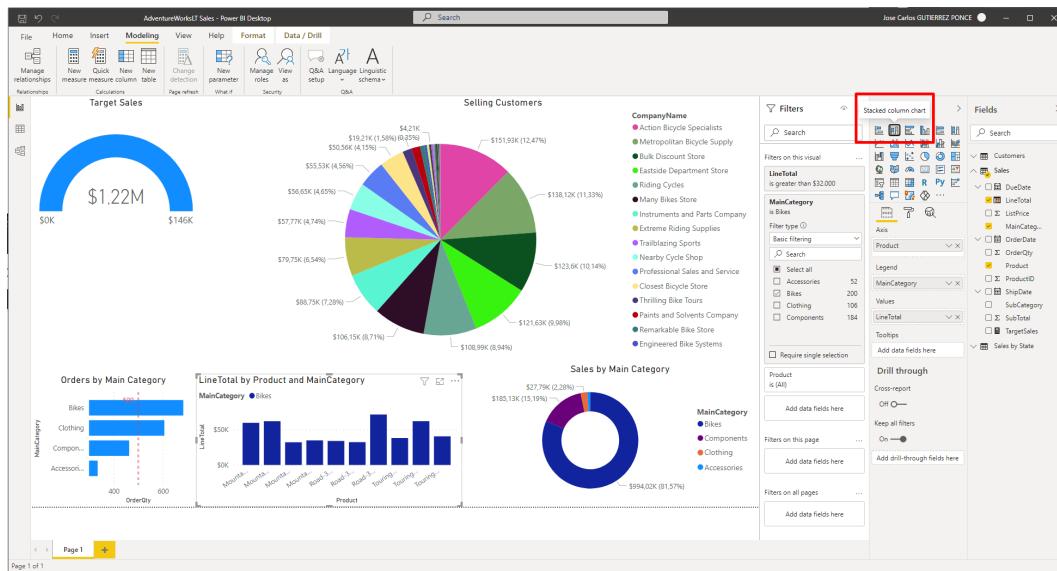
4.33. Haga clic en Apply filter.



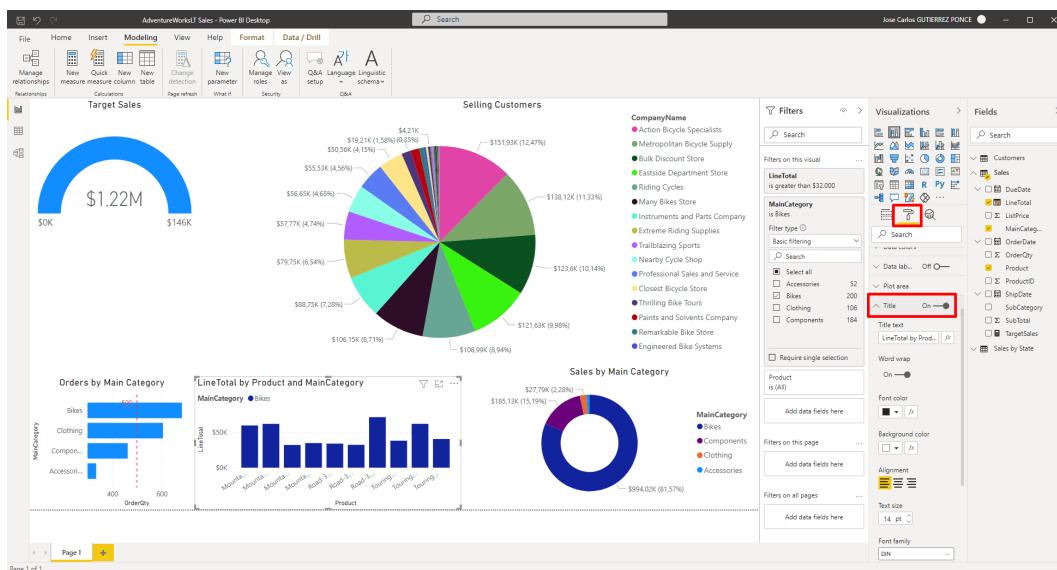
4.34. Expanda MainCategory(All) y luego seleccione Bikes.



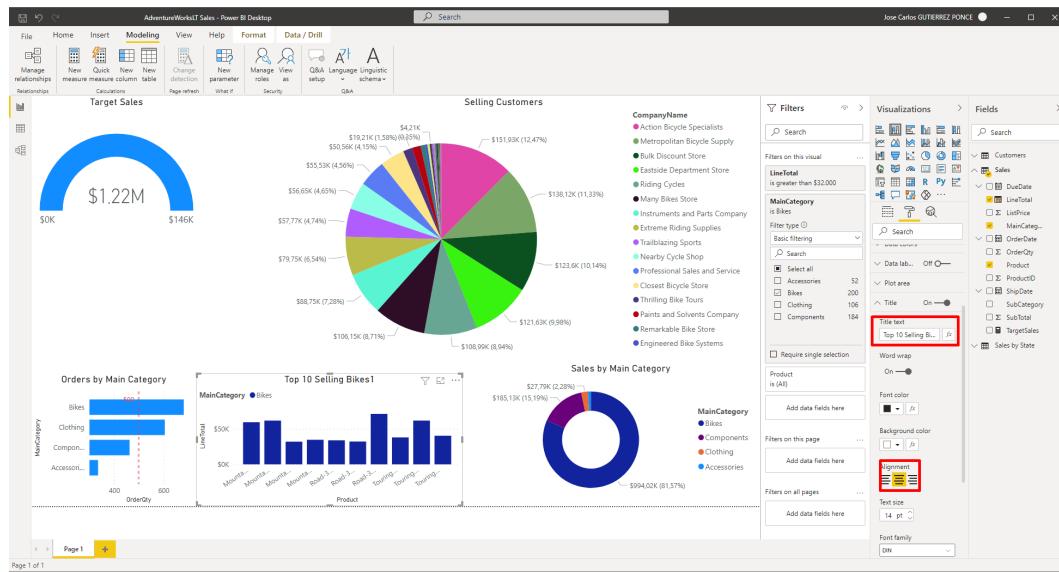
4.35. En el panel Visualizations, haga clic en Stacked column chart.



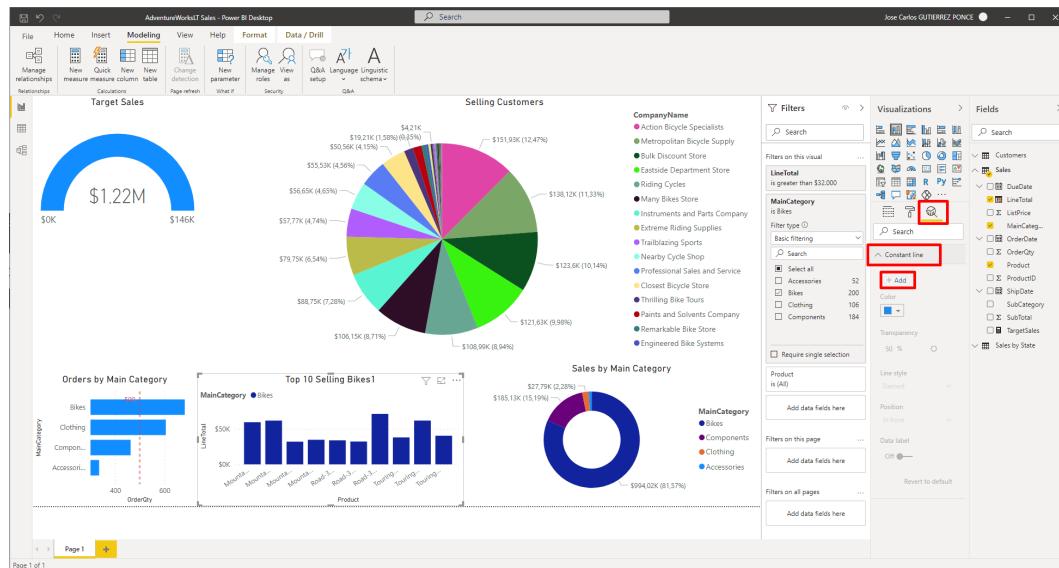
4.36. En el panel Visualizations, haga clic en Format y luego expanda Title.



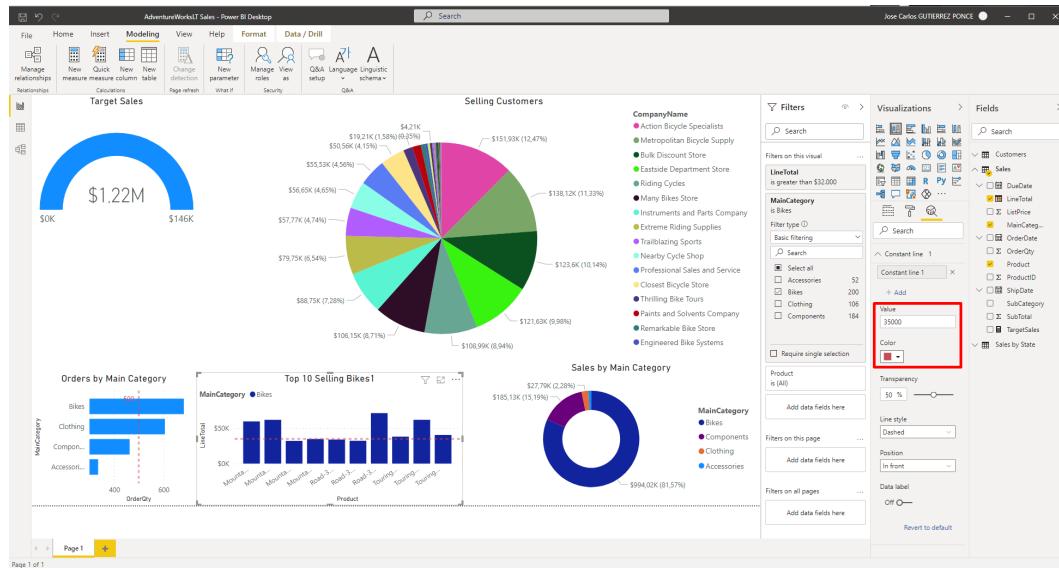
4.37. En el cuadro Title Text, escriba Top 10 Selling Bikes1 y luego haga clic en Center.



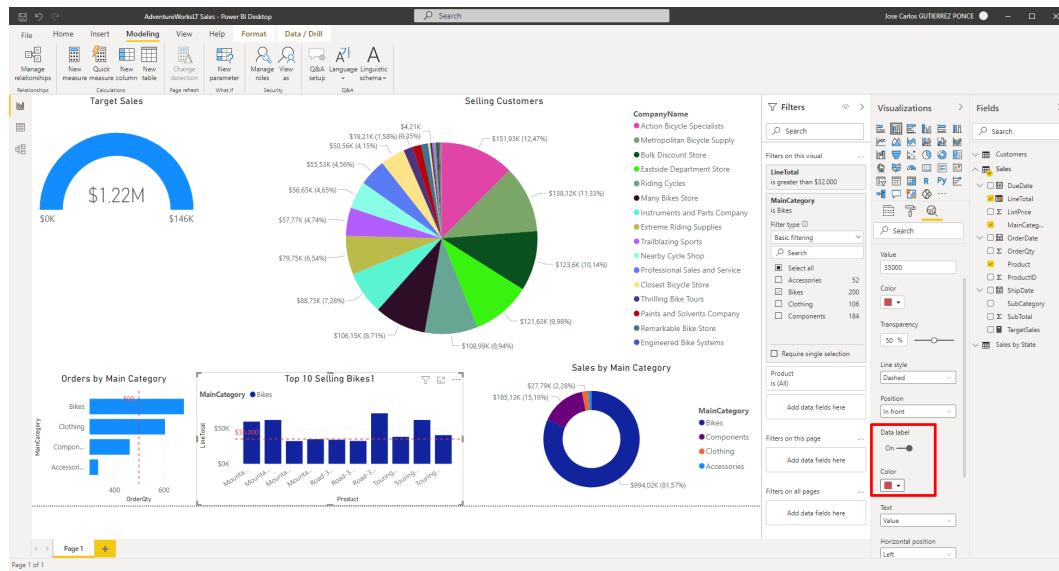
4.38. En el panel Visualizations, haga clic en Analytics, expanda Constant Line y luego haga clic en Add.



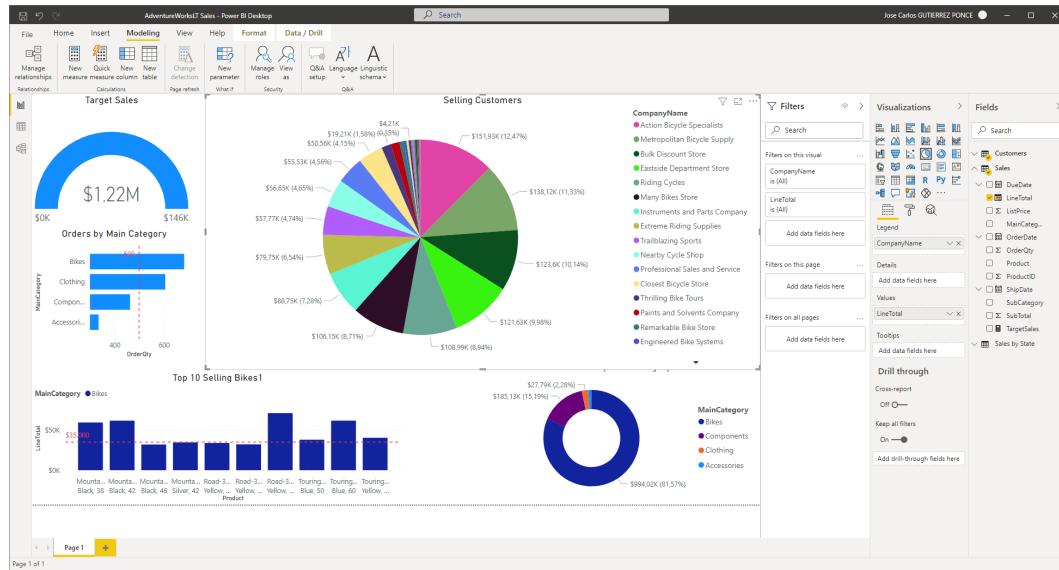
4.39. En el cuadro Value, escriba 35000 y luego establezca Color en red.



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



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



4.42. Clic en Save.

