

UNIVERSIDAD PRIVADA DE TACNA



INGENIERIA DE SISTEMAS

TITULO:

INFORME DE LABORATORIO N3 - PowerBI

CURSO:

INTELIGENCIA DE NEGOCIOS

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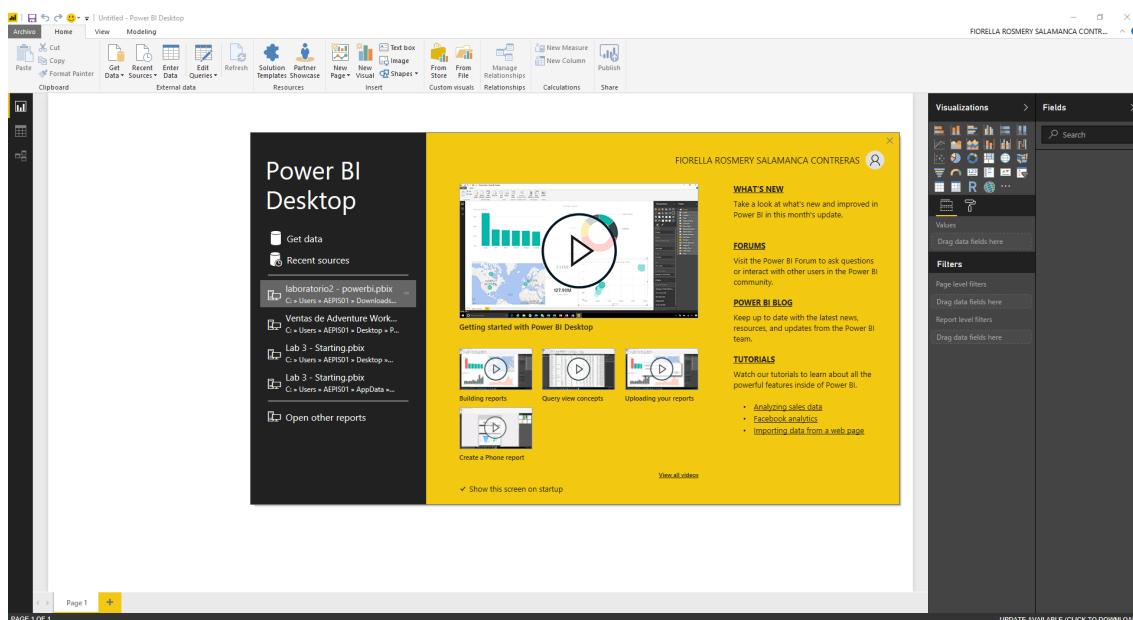
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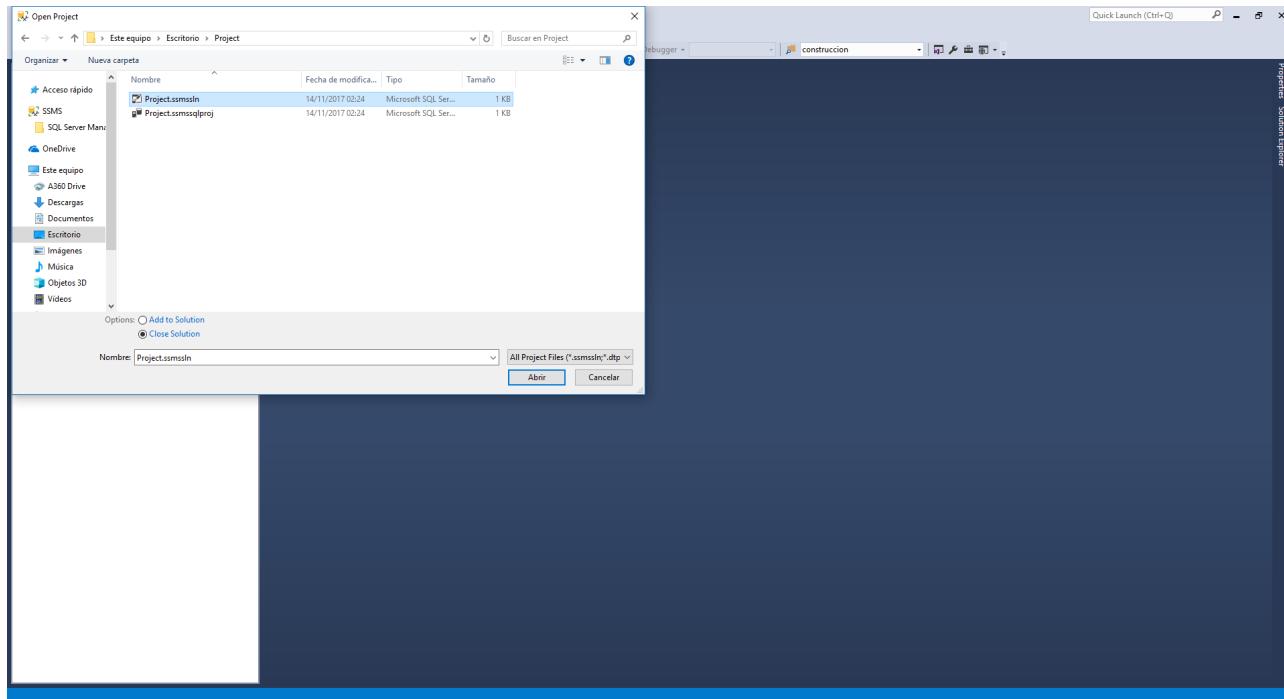
1. Ejercicio 1: Conexión a datos de Power BI - Tarea 1: Preparar el Medio Ambiente

1. Ensure that the MSL-TMG1, 20778A-MIA-DC and 20778A-MIA-SQL virtual machines are running, and then log on to 20778A-MIA-SQL as ADVENTUREWORKS/Student with the password Pa\$\$w0rd.
2. In the D:/Labfiles/Lab06/Starter folder, right-click Setup.cmd, and then click Run as administrator.
3. In the User Account Control dialog box, click Yes.
4. At the command prompt, if prompted, press Y, wait for the script to finish, and then press Enter to close the command window.
5. If you do not have a Power BI login, open Internet Explorer, go to <https://powerbi.microsoft.com/en-us/documentation/powerbi-admin-signing-up-for-powerbi-with-a-new-office-365-trial>, and follow the steps to create an account.
6. In Internet Explorer, go to <https://www.microsoft.com/enus/download/details.aspx?id=45331>, and then click Download.
7. On the Choose the download you want page, select the PBIDesktop_x64.msi check box, and then click Next.
8. In the message box, click Run.
9. In the Microsoft Power BI Desktop (x64) Setup dialog box, on the Welcome to the Microsoft Power BI Desktop (x64) Setup Wizard page, click Next.
10. On the Microsoft Software License Terms page, select the I accept the terms in the License Agreement check box, and then click Next.
11. On the Destination Folder page, click Next.
12. On the Ready to install Microsoft Power BI Desktop (x64) page, click Install.
13. In the User Account Control dialog box, click Yes.
14. On the Completed the Microsoft Power BI Desktop (x64) Setup Wizard page, clear the Launch Microsoft Power BI Desktop check box, and then click Finish.
15. Close Internet Explorer.

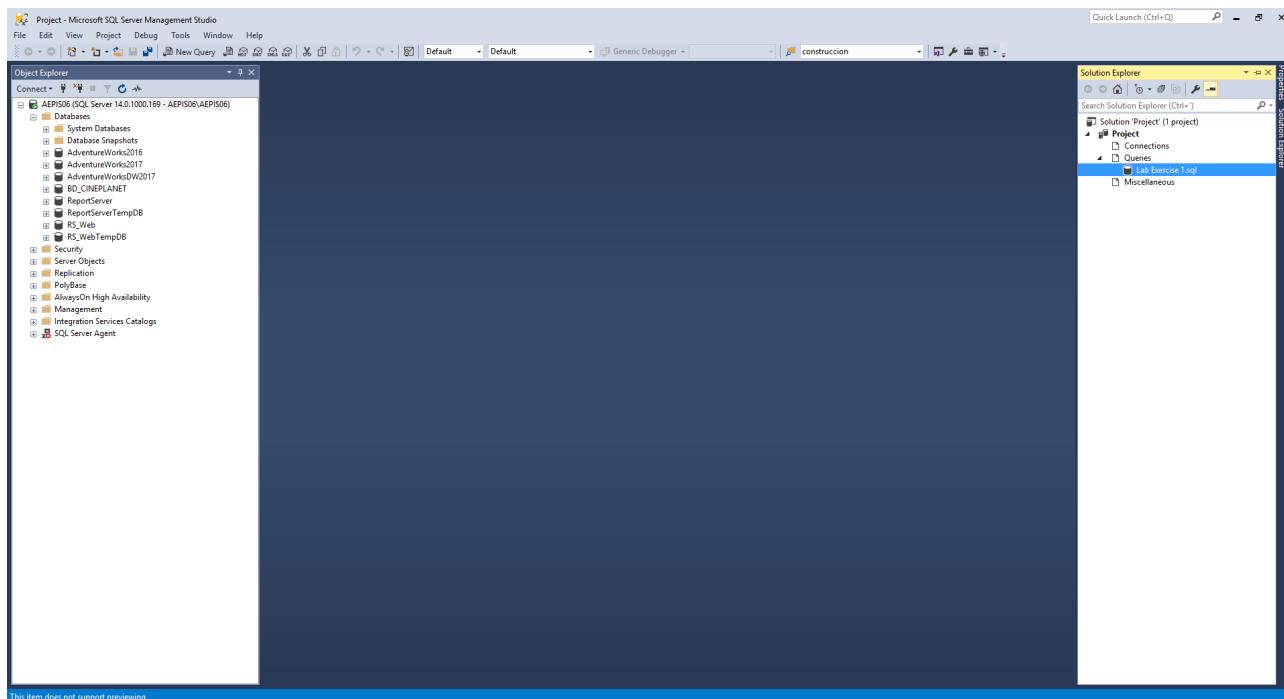


2. Ejercicio 1: Conexión a datos de Power BI - Tarea 2: Conectarse a Datos Existentes en Azure

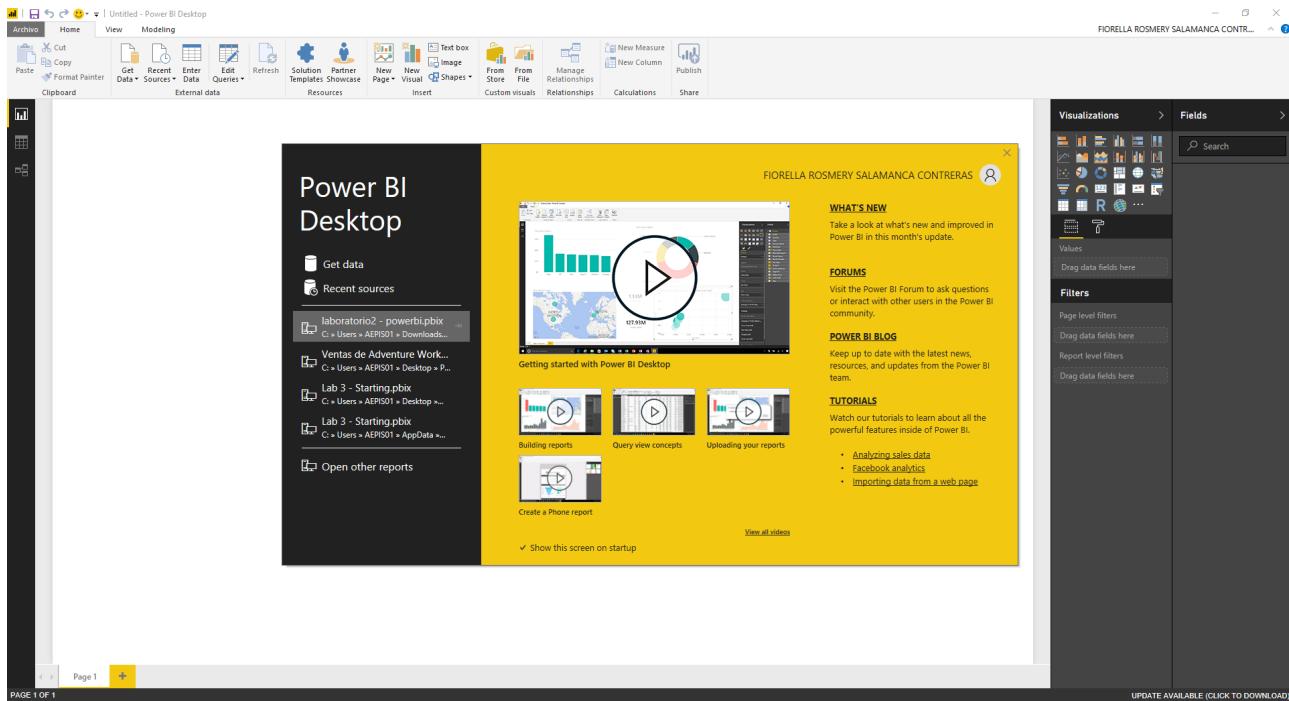
1. Open SQL Server Management Studio from the taskbar, and then connect to the MIA-SQL database engine instance by using Windows authentication.
2. On the File menu, point to Open, click Project/Solution, browse to the D:/Labfiles/Lab06/Starter/Project folder, and then double-click Project.ssmssqln.



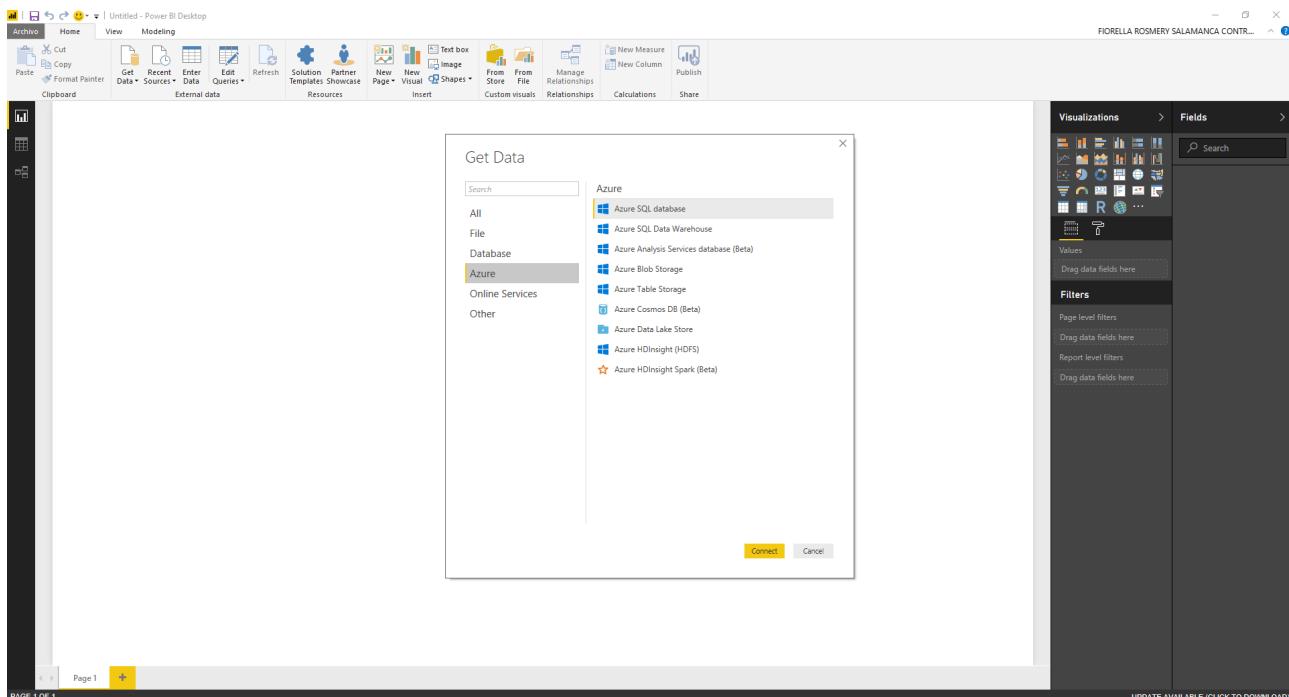
3. In Solution Explorer, expand Queries, and then double-click Lab Exercise 1.sql.



4. On the Desktop, double-click Power BI Desktop.
5. In the Power BI Desktop window, click Get Data.

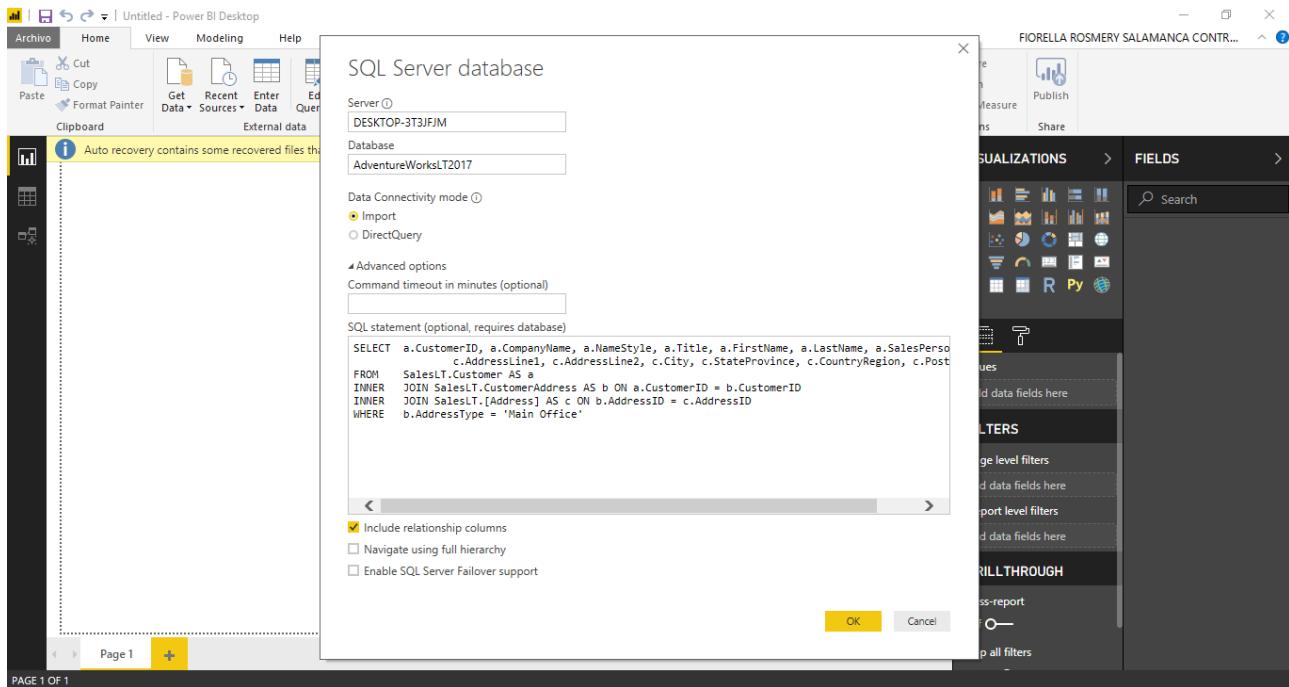


6. In the Get Data dialog box, click Microsoft Azure SQL database, and then click Connect

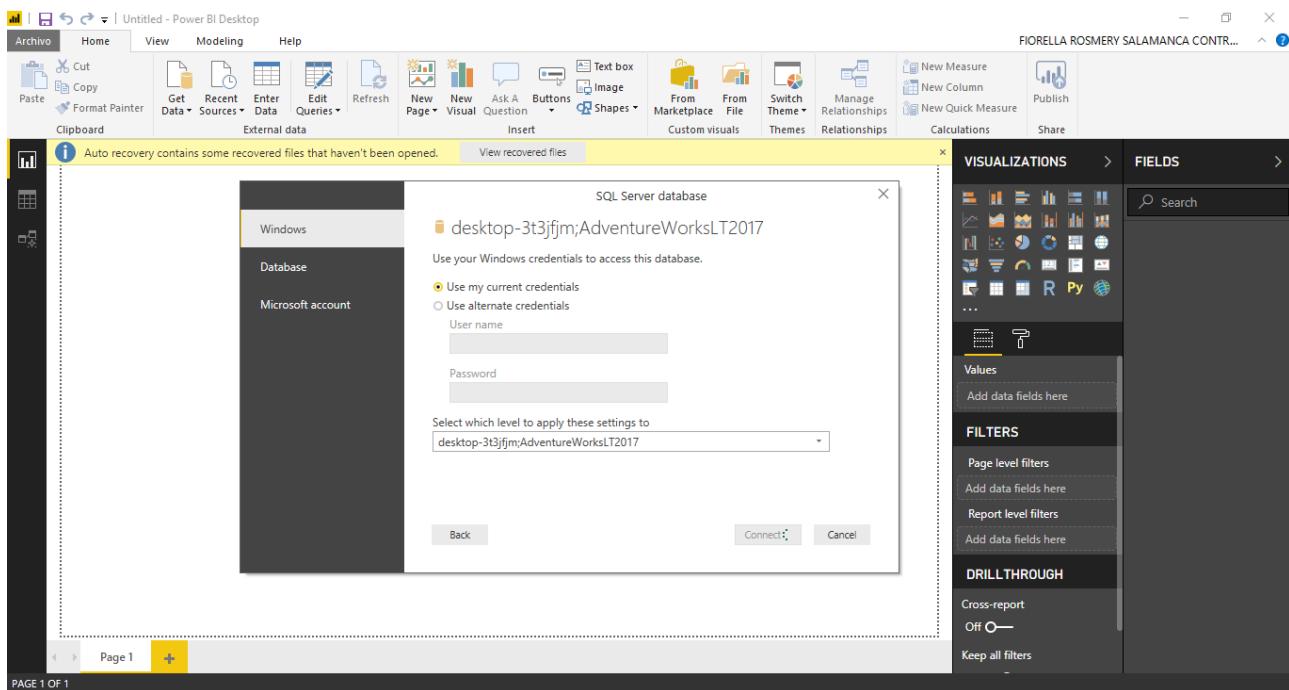


7. In the SQL Server database window, in the Server box, type the URL of the Azure server `|Server Name|.database.windows.net`.

8. In the Database (optional) box, type AdventureWorksLT.
9. Expand the Advanced options box.
10. In SQL Server Management Studio, copy the query under Task 1 in the Lab Exercise 1.sql query.
11. In Power BI Desktop, paste the query into the SQL statement (optional, requires database) box, and then click OK.



12. If the Access a SQL Server Database window appears, click Database, and then in the Username box, type Student, and in the Password box, type Pa\$\$w0rd. Click Connect.



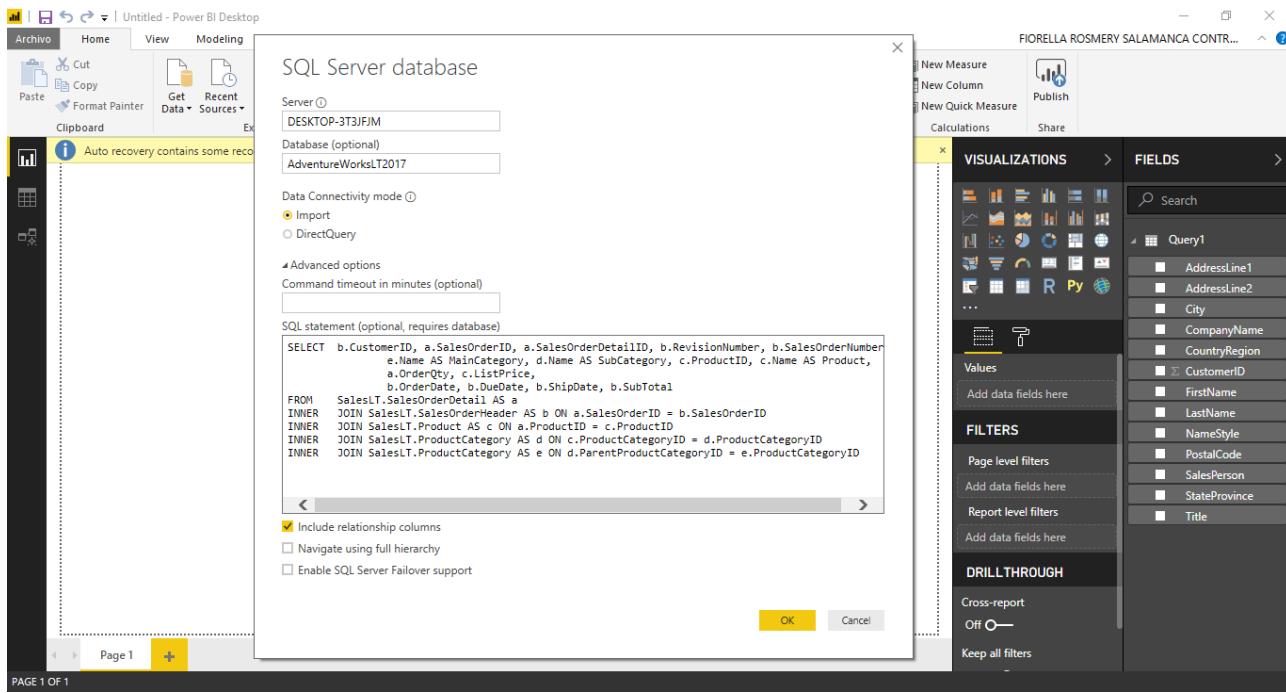
13. In the data preview window, click Load.

CustomerID	CompanyName	NameStyle	Title	FirstName	LastName	SalesPerson	AddressLine1
29485	Professional Sales and Service	FALSE	Ms.	Catherine	Abel	adventure-works\linda3	57251 Serene Blvd
29486	Riders Company	FALSE	Ms.	Kim	Abercrombie	adventure-works\jillian0	Tanger Factory
29489	Area Bike Accessories	FALSE	Ms.	Frances	Adams	adventure-works\shu0	6900 Sisk Road
29490	Bicycle Accessories and Kits	FALSE	Ms.	Margaret	Smith	adventure-works\david8	Lewiston Mall
29492	Valley Bicycle Specialists	FALSE	Mr.	Jay	Adams	adventure-works\jillian0	Blue Ridge Mall
29494	Vinyl and Plastic Goods Corporation	FALSE	Mr.	Samuel	Agcailli	adventure-works\josé1	No. 25800-130 King Street
29496	Fun Toys and Bikes	FALSE	Mr.	Robert	Ahlering	adventure-works\shu0	6500 East Grant Road
29497	Great Bikes	FALSE	Mr.	François	Frerier	adventure-works\david8	Eastridge Mall
29499	Valley Toy Store	FALSE	Ms.	Amy	Alberts	adventure-works\josé1	252851 Rowan Place
29502	Major Sport Suppliers	FALSE	Mr.	Paul	Alcorn	adventure-works\david8	White Mountain Mall
29503	Family's Favorite Bike Shop	FALSE	Mr.	Gregory	Alderson	adventure-works\garrett1	25981 College Street
29505	Imported and Domestic Cycles	FALSE	Ms.	Michelle	Alexander	adventure-works\linda3	22589 West Craig Road
29506	Systematic Sales	FALSE	Mr.	Sean	Jacobson	adventure-works\shu0	2551 East Warner Road
29508	Mountain Toy Store	FALSE	Mr.	Marvin	Allen	adventure-works\jillian0	First Colony Mall
29510	Designated Distributors	FALSE	Mr.	Cecil	Allison	adventure-works\josé1	254 Colonnade Road
29511	Bold Bike Accessories	FALSE	Mr.	Oscar	Alpuerto	adventure-works\linda3	Rocky Mountain Pines Outfitters
29515	Serious Cycles	FALSE	Mr.	Maxwell	Amland	adventure-works\garrett1	Suite 99320 255 - 510th Avenue
29517	Novelty Bikes	FALSE	Ms.	Ramona	Antrim	adventure-works\michael9	998 Forest Road
29521	Brightwork Company	FALSE	Mr.	Tom	Johnston	adventure-works\shu0	Beltz Factory Outlet
29522	Resale Services	FALSE	Mr.	Thomas	Armstrong	adventure-works\linda3	Fox Hills

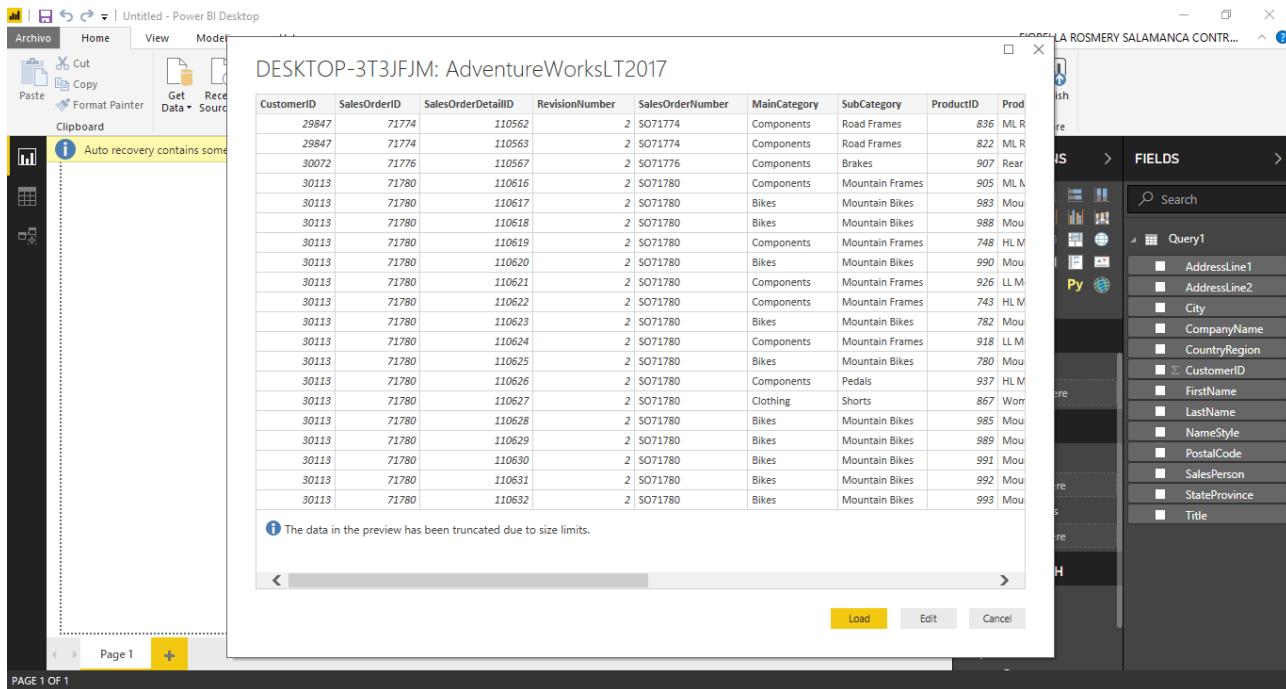
The data in the preview has been truncated due to size limits.

Load Edit Cancel

14. In Power BI Desktop, click Get Data then click More.
15. In the Get Data dialog box, click Microsoft Azure SQL database, and then click Connect.
16. In the SQL Server database window, in the Server box, type the URL of the Azure server `[Server Name].database.windows.net`.
17. In the Database (optional) box, type AdventureWorksLT.
18. Expand the Advanced options box.
19. In SQL Server Management Studio, copy the query under Task 2 in the Lab Exercise 1.sql query.
20. In Power BI Desktop, paste the query into the SQL statement (optional, requires database) box, and then click OK.

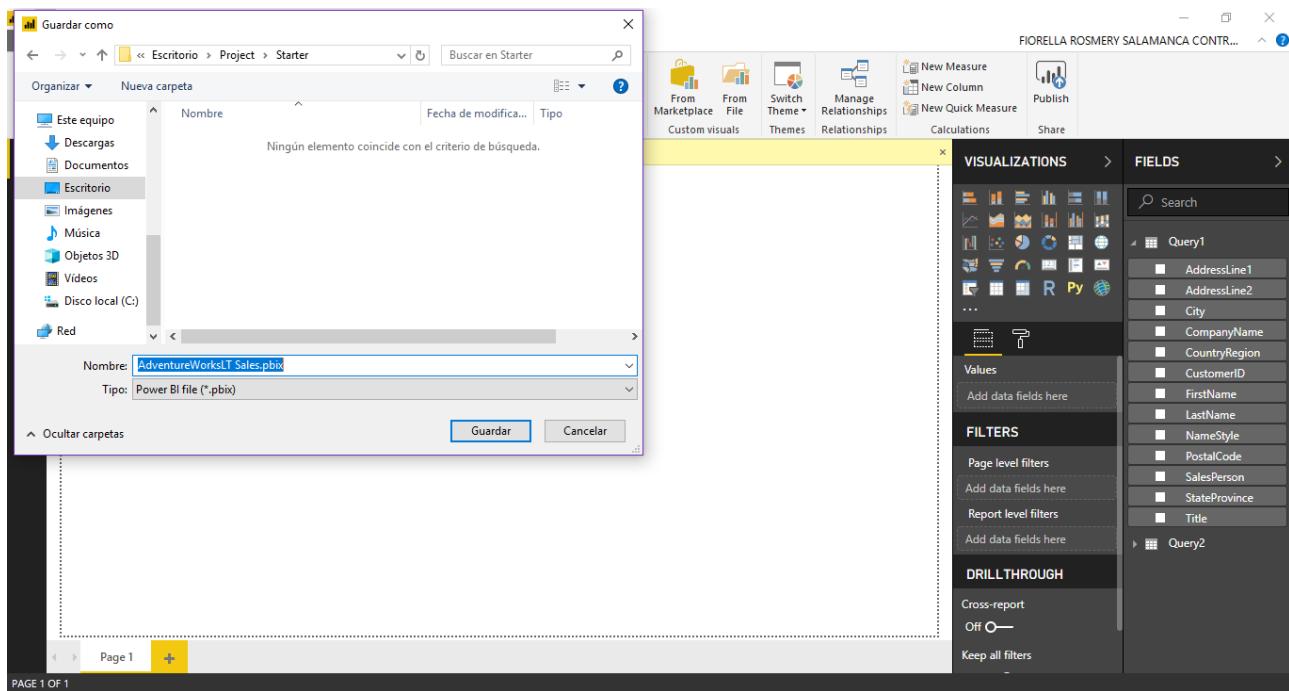


21. In the data preview window, click Load.



22. The window will close and return to the report, click Save.

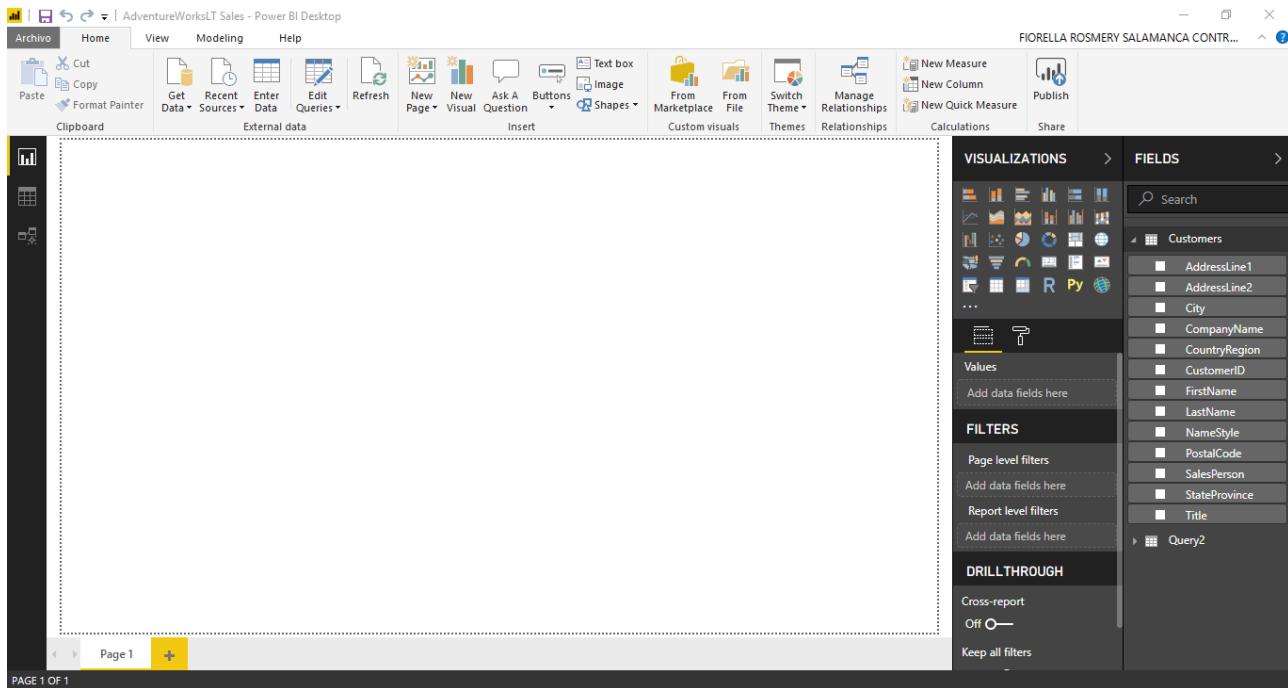
23. In the Save As dialog box, navigate to D:/Labfiles/Lab06/Starter, in the File name box, type AdventureWorksLT Sales.pbix, and then click Save.



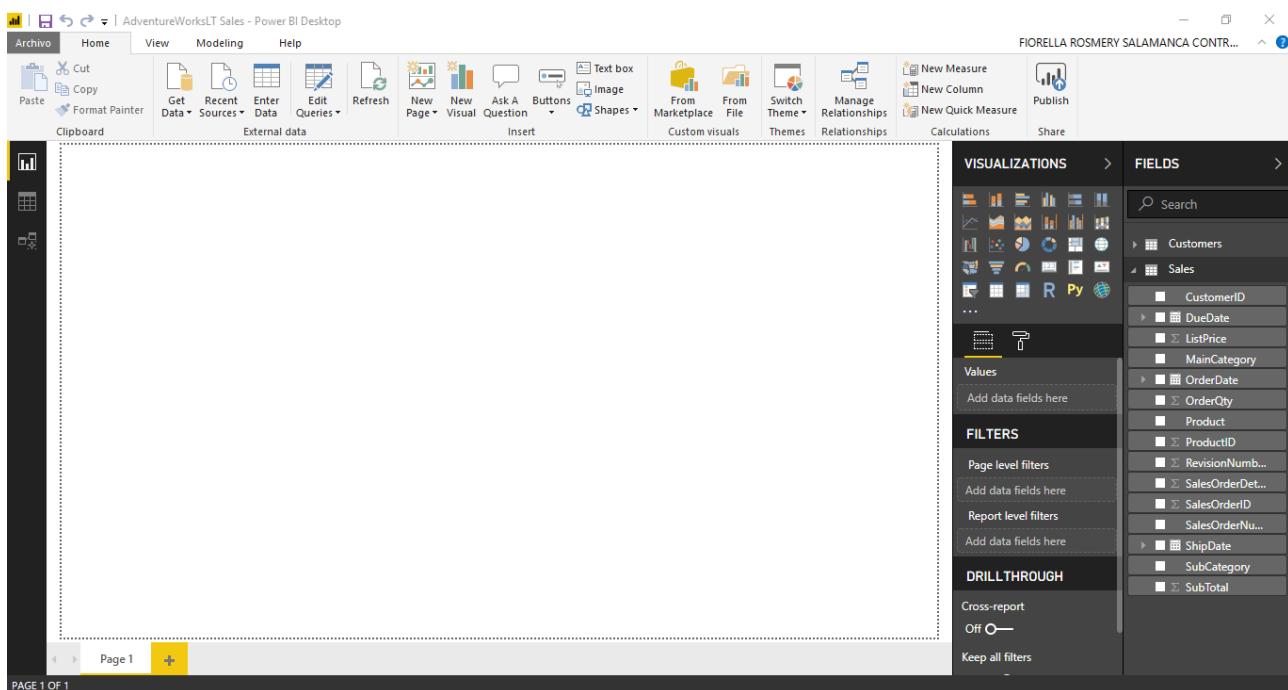
24. Leave Power BI Desktop open for the next task.

3. Ejercicio 1: Conexión a datos de Power BI - Tarea 3: Forma de Datos

1. In the Fields pane, right-click Query1, click Rename, type Customers, and then press Enter.



2. Right-click Query2, click Rename, type Sales, and then press Enter.



3. Expand the two tables to display all of the fields.
4. In the left navigation bar, click Data.
5. In the Fields pane, click the Customers table, if it is not already selected.
6. Right-click the NameStyle column, and click Delete.

The screenshot shows the Power BI Desktop interface. The main area displays the 'Customers' table with 407 rows. The Fields pane on the right lists columns from the 'Customers' table, with 'NameStyle' highlighted. The ribbon at the top has 'Home' selected.

CustomerID	CompanyName	NameStyle	Title	FirstName	LastName	SalesPerson	AddressLine1	AddressLine2	City	StateProv
29492	Valley Bicycle Specialists	False	Mr.	Jay	Adams	adventure-works\jillian0	Blue Ridge Mall		Kansas City	Missouri
29496	Fun Toys and Bikes	False	Mr.	Robert	Ahlering	adventure-works\shu0	6500 East Grant Road		Tucson	Arizona
29497	Great Bikes	False	Mr.	François	Ferrier	adventure-works\david8	Eastridge Mall		Casper	Wyoming
29502	Major Sport Suppliers	False	Mr.	Paul	Alcorn	adventure-works\david8	White Mountain Mall		Rock Springs	Wyoming
29506	Systematic Sales	False	Mr.	Sean	Jacobson	adventure-works\shu0	2551 East Warner Road		Gilbert	Arizona
29508	Mountain Toy Store	False	Mr.	Marvin	Allen	adventure-works\jillian0	First Colony Mall		Sugar Land	Texas
29511	Bold Bike Accessories	False	Mr.	Oscar	Alpuerto	adventure-works\linda3	Rocky Mountain Pines Outlet		Loveland	Colorado
29521	Brightwork Company	False	Mr.	Tom	Johnston	adventure-works\shu0	Belz Factory Outlet		Las Vegas	Nevada
29522	Resale Services	False	Mr.	Thomas	Armstrong	adventure-works\linda3	Fox Hills		Culver City	California
29523	The Gear Store	False	Mr.	John	Arthur	adventure-works\jillian0	2545 North Freeway		Houston	Texas
29524	Immense Manufacturing Company	False	Mr.	Chris	Ashton	adventure-works\jillian0	70 N.W. Plaza		Saint Ann	Missouri
29528	Work and Play Association	False	Mr.	Stephen	Ayers	adventure-works\michael9	2533 Eureka Rd.		Southgate	Michigan
29531	Remarkable Bike Store	False	Mr.	Cory	Booth	adventure-works\linda3	Eastern Beltway Center		Las Vegas	Nevada
29532	Road-Way Mart	False	Mr.	James	Bailey	adventure-works\david8	Southgate Mall		Missoula	Montana
29533	Small Cycle Store	False	Mr.	Douglas	Baldwin	adventure-works\michael9	Horizon Outlet Center		Holland	Michigan
29535	Grand Bicycle Stores	False	Mr.	Wayne	Banack	adventure-works\jillian0	48255 1-10 E. @ Eastpoint Blvd.		Baytown	Texas
29536	Kickstand Sellers	False	Mr.	Robert	Barker	adventure-works\michael9	6789 Warren Road		Westland	Michigan
29545	Center Cycle Shop	False	Mr.	John	Beaver	adventure-works\pamel0	99300 223rd Southeast		Bothell	Washington
29550	Another Bicycle Company	False	Mr.	Stanley	Alan	adventure-works\david8	567 Sw Mcoughlin Blvd		Milwaukie	Oregon
29554	Field Trip Inc	False	Mr.	Peyton	Benson	adventure-works\michael9	997000 Telegraph Rd.		Southfield	Michigan
29559	Safe Cycles Shop	False	Mr.	Robert	Bernacchi	adventure-works\david8	25915 140th Ave Ne		Bellevue	Washington
29560	Number 1 Supply	False	Mr.	Matthias	Berndt	adventure-works\shu0	Escondido		Escondido	California
29562	Golf and Cycle Store	False	Mr.	Steven	Brown	adventure-works\shu0	5500 Grossmont Center Drive		La Mesa	California
29565	World Bike Discount Store	False	Mr.	Ummu	Birchoff	adventure-works\linda3	3045 Santa Margarita Parkway		Tahoe Canyon	California

7. In the Delete Column dialog box, click Delete.

The screenshot shows the Power BI Desktop interface with the 'Customers' table. A 'Delete column' dialog box is open in the center, asking if you're sure you want to delete 'NameStyle'. The Fields pane on the right shows the 'Customers' table expanded, with 'NameStyle' still listed. The ribbon at the top has 'Home' selected.

CustomerID	CompanyName	NameStyle	Title	FirstName	LastName	SalesPerson	AddressLine1	AddressLine2	City	StateProv
29492	Valley Bicycle Specialists	False	Mr.	Jay	Adams	adventure-works\jillian0	Blue Ridge Mall		Kansas City	Missouri
29496	Fun Toys and Bikes	False	Mr.	Robert	Ahlering	adventure-works\shu0	6500 East Grant Road		Tucson	Arizona
29497	Great Bikes	False	Mr.	François	Ferrier	adventure-works\david8	Eastridge Mall		Casper	Wyoming
29502	Major Sport Suppliers	False	Mr.	Paul	Alcorn	adventure-works\david8	White Mountain Mall		Rock Springs	Wyoming
29506	Systematic Sales	False	Mr.						Gilbert	Arizona
29508	Mountain Toy Store	False	Mr.						Sugar Land	Texas
29511	Bold Bike Accessories	False	Mr.						Loveland	Colorado
29521	Brightwork Company	False	Mr.						Las Vegas	Nevada
29522	Resale Services	False	Mr.						Culver City	California
29523	The Gear Store	False	Mr.						Houston	Texas
29524	Immense Manufacturing Company	False	Mr.						Saint Ann	Missouri
29528	Work and Play Association	False	Mr.						Southgate	Michigan
29531	Remarkable Bike Store	False	Mr.						Las Vegas	Nevada
29532	Road-Way Mart	False	Mr.						Missoula	Montana
29533	Small Cycle Store	False	Mr.						Holland	Michigan
29535	Grand Bicycle Stores	False	Mr.						Baytown	Texas
29536	Kickstand Sellers	False	Mr.						Westland	Michigan
29545	Center Cycle Shop	False	Mr.						Bothell	Washington
29550	Another Bicycle Company	False	Mr.						Milwaukie	Oregon
29554	Field Trip Inc	False	Mr.						Southfield	Michigan
29559	Safe Cycles Shop	False	Mr.						Bellevue	Washington
29560	Number 1 Supply	False	Mr.						Escondido	California
29562	Golf and Cycle Store	False	Mr.						La Mesa	California
29565	World Bike Discount Store	False	Mr.						Tahoe Canyon	California

8. Right-click the SalesPerson column, and click Delete.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: SalesPerson (9 distinct values)

CustomerID	CompanyName	Title	FirstName	LastName	SalesPerson	AddressLine1	AddressLine2	City	StateProvince	Country
29492	Valley Bicycle Specialists	Mr.	Jay	Adams	adventure-works\jillian0	Blue Ridge Mall		Kansas City	Missouri	United States
29496	Fun Toys and Bikes	Mr.	Robert	Ahlering	adventure-works\shu0	6500 East Grant Road		Tucson	Arizona	United States
29497	Great Bikes	Mr.	François	Ferrier	adventure-works\david8	Eastridge Mall		Casper	Wyoming	United States
29502	Major Sport Suppliers	Mr.	Paul	Alcorn	adventure-works\david8	White Mountain Mall		Rock Springs	Wyoming	United States
29506	Systematic Sales	Mr.	Sean	Jacobson	adventure-works\shu0	2551 East Warner Road		Gilbert	Arizona	United States
29508	Mountain Toy Store	Mr.	Marvin	Allen	adventure-works\jillian0	First Colony Mall		Sugar Land	Texas	United States
29511	Bold Bike Accessories	Mr.	Oscar	Alpuerto	adventure-works\linda3	Rocky Mountain Pines Outlet		Loveland	Colorado	United States
29521	Brightway Company	Mr.	Tom	Johnston	adventure-works\shu0	Belz Factory Outlet		Las Vegas	Nevada	United States
29522	Resale Services	Mr.	Thomas	Armstrong	adventure-works\linda3	Fox Hills		Culver City	California	United States
29523	The Gear Store	Mr.	John	Arthur	adventure-works\jillian0	2345 North Freeway		Houston	Texas	United States
29524	Immense Manufacturing Company	Mr.	Chris	Ashton	adventure-works\jillian0	70 N.W. Plaza		Saint Ann	Missouri	United States
29528	Work and Play Association	Mr.	Stephen	Ayers	adventure-works\michael9	2533 Eureka Rd.		Southgate	Michigan	United States
29531	Remarkable Bike Store	Mr.	Cory	Booth	adventure-works\linda3	Eastern Beltway Center		Las Vegas	Nevada	United States
29532	Road-Way Mart	Mr.	James	Bailey	adventure-works\david8	Southgate Mall		Missoula	Montana	United States
29533	Small Cycle Store	Mr.	Douglas	Baldwin	adventure-works\michael9	Horizon Outlet Center		Holland	Michigan	United States
29535	Grand Bicycle Stores	Mr.	Wayne	Banack	adventure-works\jillian0	48255-1-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States
29536	Kickstand Sellers	Mr.	Robert	Barker	adventure-works\michael9	6789 Warren Road		Westland	Michigan	United States
29545	Center Cycle Shop	Mr.	John	Beaver	adventure-works\pamel0	99300 223rd Southeast		Bothell	Washington	United States
29550	Another Bicycle Company	Mr.	Stanley	Alan	adventure-works\david8	567 Sw Mccloughlin Blvd		Milwaukee	Oregon	United States
29554	Field Trip Inc	Mr.	Peyton	Benson	adventure-works\michael9	997000 Telegraph Rd.		Southfield	Michigan	United States
29559	Safe Cycles Shop	Mr.	Robert	Bernacchi	adventure-works\david8	25915 140th Ave Ne		Bellevue	Washington	United States
29560	Number 1 Supply	Mr.	Matthias	Berndt	adventure-works\shu0	Escondido		Escondido	California	United States
29562	Golf and Cycle Store	Mr.	Steven	Brown	adventure-works\shu0	5500 Grossmont Center Drive		La Mesa	California	United States
29566	World Bike Discount Store	Mr.	Ullman	Birchhoff	adventure-works\linda3	3045 Santa Margarita Parkway		Tahoe Canyon	California	United States

9. In the Delete Column dialog box, click Delete.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: SalesPerson (9 distinct values)

Delete column

Are you sure you want to delete 'SalesPerson'?

Delete Cancel

CustomerID	CompanyName	Title	FirstName	LastName	SalesPerson	AddressLine1	AddressLine2	City	StateProvince	Country
29492	Valley Bicycle Specialists	Mr.	Jay	Adams	adventure-works\jillian0	Blue Ridge Mall		Kansas City	Missouri	United States
29496	Fun Toys and Bikes	Mr.	Robert	Ahlering	adventure-works\shu0	6500 East Grant Road		Tucson	Arizona	United States
29497	Great Bikes	Mr.	François	Ferrier	adventure-works\david8	Eastridge Mall		Casper	Wyoming	United States
29502	Major Sport Suppliers	Mr.	Paul	Alcorn	adventure-works\david8	White Mountain Mall		Rock Springs	Wyoming	United States
29506	Systematic Sales	Mr.	Sean	Jacobson	adventure-works\shu0	2551 East Warner Road		Gilbert	Arizona	United States
29508	Mountain Toy Store	Mr.	Marvin	Allen	adventure-works\jillian0	First Colony Mall		Sugar Land	Texas	United States
29511	Bold Bike Accessories	Mr.	Oscar	Alpuerto	adventure-works\linda3	Rocky Mountain Pines Outlet		Loveland	Colorado	United States
29521	Brightway Company	Mr.	Tom	Johnston	adventure-works\shu0	Belz Factory Outlet		Las Vegas	Nevada	United States
29522	Resale Services	Mr.	Thomas	Armstrong	adventure-works\linda3	Fox Hills		Culver City	California	United States
29523	The Gear Store	Mr.	John	Arthur	adventure-works\jillian0	2345 North Freeway		Houston	Texas	United States
29524	Immense Manufacturing Company	Mr.	Chris	Ashton	adventure-works\jillian0	70 N.W. Plaza		Saint Ann	Missouri	United States
29528	Work and Play Association	Mr.	Stephen	Ayers	adventure-works\michael9	2533 Eureka Rd.		Southgate	Michigan	United States
29531	Remarkable Bike Store	Mr.	Cory	Booth	adventure-works\linda3	Eastern Beltway Center		Las Vegas	Nevada	United States
29532	Road-Way Mart	Mr.	James	Bailey	adventure-works\david8	Southgate Mall		Missoula	Montana	United States
29533	Small Cycle Store	Mr.	Douglas	Baldwin	adventure-works\michael9	Horizon Outlet Center		Holland	Michigan	United States
29535	Grand Bicycle Stores	Mr.	Wayne	Banack	adventure-works\jillian0	48255-1-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States
29536	Kickstand Sellers	Mr.	Robert	Barker	adventure-works\pamel0	6789 Warren Road		Westland	Michigan	United States
29545	Center Cycle Shop	Mr.	John	Beaver	adventure-works\pamel0	99300 223rd Southeast		Bothell	Washington	United States
29550	Another Bicycle Company	Mr.	Stanley	Alan	adventure-works\david8	567 Sw Mccloughlin Blvd		Milwaukee	Oregon	United States
29554	Field Trip Inc	Mr.	Peyton	Benson	adventure-works\michael9	997000 Telegraph Rd.		Southfield	Michigan	United States
29559	Safe Cycles Shop	Mr.	Robert	Bernacchi	adventure-works\david8	25915 140th Ave Ne		Bellevue	Washington	United States
29560	Number 1 Supply	Mr.	Matthias	Berndt	adventure-works\shu0	Escondido		Escondido	California	United States
29562	Golf and Cycle Store	Mr.	Steven	Brown	adventure-works\shu0	5500 Grossmont Center Drive		La Mesa	California	United States
29566	World Bike Discount Store	Mr.	Ullman	Birchhoff	adventure-works\linda3	3045 Santa Margarita Parkway		Tahoe Canyon	California	United States

10. Right-click the CustomerID column, and then click Hide in Report View.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: CustomerID (407 distinct values)

CustomerID	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
29492	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge Mall		Kansas City	Missouri	United States	64106
29496	Fun Toys and Bikes	Mr.	Robert	Ahlering	6500 East Grant Road		Tucson	Arizona	United States	85701
29497	Great Bikes	Mr.	François	Ferrier	Eastridge Mall		Casper	Wyoming	United States	82601
29502	Major Sport Suppliers	Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
29506	Systematic Sales	Mr.	Sean	Jacobson	2551 East Warner Road		Gilbert	Arizona	United States	85233
29508	Mountain Toy Store	Mr.	Marvin	Allen	First Colony Mall		Sugar Land	Texas	United States	77478
29511	Bold Bike Accessories	Mr.	Oscar	Alpuerto	Rocky Mountain Pines Outlet		Loveland	Colorado	United States	80537
29521	Brightwork Company	Mr.	Tom	Johnston	Belz Factory Outlet		Las Vegas	Nevada	United States	89106
29522	Resale Services	Mr.	Thomas	Armstrong	Fox Hills		Culver City	California	United States	90232
29523	The Gear Store	Mr.	John	Arthur	2345 North Freeway		Houston	Texas	United States	77003
29524	Immense Manufacturing Company	Mr.	Chris	Ashton	70 N.W. Plaza		Saint Ann	Missouri	United States	63074
29528	Work and Play Association	Mr.	Stephen	Ayers	2533 Eureka Rd.		Southgate	Michigan	United States	48195
29531	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Beltway Center		Las Vegas	Nevada	United States	89106
29532	Road-Way Mart	Mr.	James	Bailey	Southgate Mall		Missoula	Montana	United States	59801
29533	Small Cycle Store	Mr.	Douglas	Baldwin	Horizon Outlet Center		Holland	Michigan	United States	49423
29535	Grand Bicycle Stores	Mr.	Wayne	Banack	48255 I-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States	77520
29536	Kickstand Sellers	Mr.	Robert	Barker	6789 Warren Road		Westland	Michigan	United States	48185
29545	Center Cycle Shop	Mr.	John	Beaver	99300 223rd Southeast		Bothell	Washington	United States	98011
29550	Another Bicycle Company	Mr.	Stanley	Alan	567 Sw McLaughlin Blvd		Milwaukee	Oregon	United States	97222
29554	Field Trip Inc	Mr.	Peyton	Benson	997000 Telegraph Rd.		Southfield	Michigan	United States	48034
29559	Safe Cycles Shop	Mr.	Robert	Bernacchi	25915 140th Ave Ne		Bellevue	Washington	United States	98004
29560	Number 1 Supply	Mr.	Matthias	Berndt	Escondido		Escondido	California	United States	92025
29562	Golf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941
29565	World Bike Discount Store	Mr.	Ullman	Richthoff	2065 Santa Margarita Parkway		Tahoe Canyon	California	United States	91670

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: CustomerID (407 distinct values)

CustomerID	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
Sort ascending	lists	Mr.	Jay	Adams	Blue Ridge Mall		Kansas City	Missouri	United States	64106
Sort descending		Mr.	Robert	Ahlering	6500 East Grant Road		Tucson	Arizona	United States	85701
Clear sort		Mr.	François	Ferrier	Eastridge Mall		Casper	Wyoming	United States	82601
Clear filter		Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
Clear all filters		Mr.	Sean	Jacobson	2551 East Warner Road		Gilbert	Arizona	United States	85233
Copy		Mr.	Marvin	Allen	First Colony Mall		Sugar Land	Texas	United States	77478
Copy table		Mr.	Oscar	Alpuerto	Rocky Mountain Pines Outlet		Loveland	Colorado	United States	80537
New measure		Mr.	Thomas	Armstrong	Fox Hills		Culver City	California	United States	90232
New column		Mr.	John	Arthur	2345 North Freeway		Houston	Texas	United States	77003
Refreshing Company		Mr.	Chris	Ashton	70 N.W. Plaza		Saint Ann	Missouri	United States	63074
Refresh data		Mr.	Stephen	Ayers	2533 Eureka Rd.		Southgate	Michigan	United States	48195
Edit query		Mr.	Cory	Booth	Eastern Beltway Center		Las Vegas	Nevada	United States	89106
Rename		Mr.	James	Bailey	Southgate Mall		Missoula	Montana	United States	59801
Delete		Mr.	Douglas	Baldwin	Horizon Outlet Center		Holland	Michigan	United States	49423
Hide in report view		Mr.	Wayne	Banack	48255 I-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States	77520
Unhide all		Mr.	Robert	Barker	6789 Warren Road		Westland	Michigan	United States	48185
New group		Mr.	John	Beaver	99300 223rd Southeast		Bothell	Washington	United States	98011
Company		Mr.	Stanley	Alan	567 Sw McLaughlin Blvd		Milwaukee	Oregon	United States	97222
29554 Field Trip Inc		Mr.	Peyton	Benson	997000 Telegraph Rd.		Southfield	Michigan	United States	48034
29559 Safe Cycles Shop		Mr.	Robert	Bernacchi	25915 140th Ave Ne		Bellevue	Washington	United States	98004
29560 Number 1 Supply		Mr.	Matthias	Berndt	Escondido		Escondido	California	United States	92025
29562 Golf and Cycle Store		Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941
29565 World Bike Discount Store		Mr.	Ullman	Richthoff	2065 Santa Margarita Parkway		Tahoe Canyon	California	United States	91670

11. Click the AddressLine1 column header.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: AddressLine1 (402 distinct values)

12. On the Modeling ribbon, in the Properties group, click Data Category: Uncategorized, and then click Address.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: AddressLine1 (402 distinct values)

13. Click the City column header.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: City (256 distinct values)

14. On the Modeling ribbon, in the Properties group, click Data Category: Uncategorized, and then click City.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: City (256 distinct values)

15. Click the StateProvince column header.

AdventureWorksLT Sales - Power BI Desktop

Archivo Home Modeling Help

Manage Relationships New Measure Column New Table New Parameter Sort by Column What If Sort

Data type: Text Format: Text Data Category: Uncategorized Default Summarization: Don't summarize

Home Table: Properties Security Groups Edit Groups Mark as Date Table Calendars Q&A

FIELDS

Search

- Customers
 - AddressLine1
 - AddressLine2
 - City
 - CompanyName
 - CountryRegion
 - CustomerID
 - FirstName
 - LastName
 - PostalCode
 - StateProvince**
 - Title
- Sales
 - CustomerID
 - DueDate
 - ListPrice
 - MainCategory
 - OrderDate
 - OrderQty
 - Product

TABLE: Customers (407 rows) COLUMN: StateProvince (25 distinct values)

CustomerID	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
29492	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge Mall		Kansas City	Missouri	United States	64106
29496	Fun Toys and Bikes	Mr.	Robert	Ahlering	6500 East Grand Road		Tucson	Arizona	United States	85701
29497	Great Bikes	Mr.	François	Terrier	Eastridge Mall		Casper	Wyoming	United States	82601
29502	Major Sport Suppliers	Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
29506	Systematic Sales	Mr.	Sean	Jacobson	2551 East Warner Road		Gilbert	Arizona	United States	85233
29508	Mountain Toy Store	Mr.	Marvin	Allen	First Colony Mall		Sugar Land	Texas	United States	77478
29511	Bold Bike Accessories	Mr.	Oscar	Alpuerto	Rocky Mountain Pines Outlet		Loveland	Colorado	United States	80537
29521	Brightwork Company	Mr.	Tom	Johnston	Belz Factory Outlet		Las Vegas	Nevada	United States	89106
29522	Resale Services	Mr.	Thomas	Armstrong	Fox Hills		Culver City	California	United States	90232
29523	The Gear Store	Mr.	John	Arthur	2345 North Freeway		Houston	Texas	United States	77003
29524	Immense Manufacturing Company	Mr.	Chris	Ashton	70 N.W. Plaza		Saint Ann	Missouri	United States	63074
29528	Work and Play Association	Mr.	Stephen	Ayers	2533 Eureka Rd.		Southgate	Michigan	United States	48195
29531	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Beltway Center		Las Vegas	Nevada	United States	89106
29532	Road-Way Mart	Mr.	James	Bailey	Southgate Mall		Missoula	Montana	United States	59801
29533	Small Cycle Store	Mr.	Douglas	Baldwin	Horizon Outlet Center		Holland	Michigan	United States	49423
29535	Grand Bicycle Stores	Mr.	Wayne	Banack	48255 1-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States	77520
29536	Kickstand Sellers	Mr.	Robert	Barker	6789 Warren Road		Westland	Michigan	United States	48185
29545	Center Cycle Shop	Mr.	John	Beaver	99300 223rd Southeast		Bothell	Washington	United States	98011
29550	Another Bicycle Company	Mr.	Stanley	Alan	567 Sw McIoughlin Blvd		Milwaukee	Oregon	United States	97222
29554	Field Trip Inc	Mr.	Peyton	Benson	997000 Telegraph Rd.		Southfield	Michigan	United States	48034
29559	Safe Cycles Shop	Mr.	Robert	Bernacchi	25915 140th Ave Ne		Bellevue	Washington	United States	98004
29560	Number 1 Supply	Mr.	Matthias	Berndt	Escondido		Escondido	California	United States	92025
29562	Golf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941
29565	World Bike Discount Store	Mr.	Ulysses	Birchhoff	3065 Santa Margarita Parkway		Trabuco Canyon	California	United States	92670

16. On the Modeling ribbon, in the Properties group, click Data Category: Uncategorized, and then click State or Province.

AdventureWorksLT Sales - Power BI Desktop

Archivo Home Modeling Help

Manage Relationships New Measure Column New Table New Parameter Sort by Column What If Sort

Data type: Text Format: Text Data Category: **State or Province**

Uncategorized

Address

City

Continent

Country/Region

County

Latitude

Longitude

Place

Postal Code

State or Province

Web URL

Image URL

Barcode

AddressLine2

City

StateProvince

CountryRegion

PostalCode

FIELDS

Search

- Customers
 - AddressLine1
 - AddressLine2
 - City
 - CompanyName
 - CountryRegion
 - CustomerID
 - FirstName
 - LastName
 - PostalCode
 - StateProvince**
 - Title
- Sales
 - CustomerID
 - DueDate
 - ListPrice
 - MainCategory
 - OrderDate
 - OrderQty
 - Product

TABLE: Customers (407 rows) COLUMN: StateProvince (25 distinct values)

CustomerID	CompanyName	Title	FirstName	LastName	AddressLine1	AddressLine2	City	StateProvince	CountryRegion	PostalCode
29492	Valley Bicycle Specialists	Mr.	Jay	Adams	Blue Ridge Mall		Kansas City	Missouri	United States	64106
29496	Fun Toys and Bikes	Mr.	Robert	Ahlering	6500 East Grand Road		Tucson	Arizona	United States	85701
29497	Great Bikes	Mr.	François	Terrier	Eastridge Mall		Casper	Wyoming	United States	82601
29502	Major Sport Suppliers	Mr.	Paul	Alcorn	White Mountain Mall		Rock Springs	Wyoming	United States	82901
29506	Systematic Sales	Mr.	Sean	Jacobson	2551 East Warner Road		Gilbert	Arizona	United States	85233
29508	Mountain Toy Store	Mr.	Marvin	Allen	First Colony Mall		Sugar Land	Texas	United States	77478
29511	Bold Bike Accessories	Mr.	Oscar	Alpuerto	Rocky Mountain Pines Outlet		Loveland	Colorado	United States	80537
29521	Brightwork Company	Mr.	Tom	Johnston	Belz Factory Outlet		Las Vegas	Nevada	United States	89106
29522	Resale Services	Mr.	Thomas	Armstrong	Fox Hills		Culver City	California	United States	90232
29523	The Gear Store	Mr.	John	Arthur	2345 North Freeway		Houston	Texas	United States	77003
29524	Immense Manufacturing Company	Mr.	Chris	Ashton	70 N.W. Plaza		Saint Ann	Missouri	United States	63074
29528	Work and Play Association	Mr.	Stephen	Ayers	2533 Eureka Rd.		Southgate	Michigan	United States	48195
29531	Remarkable Bike Store	Mr.	Cory	Booth	Eastern Beltway Center		Las Vegas	Nevada	United States	89106
29532	Road-Way Mart	Mr.	James	Bailey	Southgate Mall		Missoula	Montana	United States	59801
29533	Small Cycle Store	Mr.	Douglas	Baldwin	Horizon Outlet Center		Holland	Michigan	United States	49423
29535	Grand Bicycle Stores	Mr.	Wayne	Banack	48255 1-10 E. @ Eastpoint Blvd.		Baytown	Texas	United States	77520
29536	Kickstand Sellers	Mr.	Robert	Barker	6789 Warren Road		Westland	Michigan	United States	48185
29545	Center Cycle Shop	Mr.	John	Beaver	99300 223rd Southeast		Bothell	Washington	United States	98011
29550	Another Bicycle Company	Mr.	Stanley	Alan	567 Sw McIoughlin Blvd		Milwaukee	Oregon	United States	97222
29554	Field Trip Inc	Mr.	Peyton	Benson	997000 Telegraph Rd.		Southfield	Michigan	United States	48034
29559	Safe Cycles Shop	Mr.	Robert	Bernacchi	25915 140th Ave Ne		Bellevue	Washington	United States	98004
29560	Number 1 Supply	Mr.	Matthias	Berndt	Escondido		Escondido	California	United States	92025
29562	Golf and Cycle Store	Mr.	Steven	Brown	5500 Grossmont Center Drive		La Mesa	California	United States	91941
29565	World Bike Discount Store	Mr.	Ulysses	Birchhoff	3065 Santa Margarita Parkway		Trabuco Canyon	California	United States	92670

17. Click the CountryRegion column header.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: CountryRegion (3 distinct values)

18. On the Modeling ribbon, in the Properties group, click Data Category: Uncategorized, and then click Country/Region.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: CountryRegion (3 distinct values)

19. Click the PostalCode column header.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: PostalCode (287 distinct values)

20. On the Modeling ribbon, in the Properties group, click Data Category: Uncategorized, and then click Postal Code.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: PostalCode (287 distinct values)

21. On the Modeling ribbon, in the Calculations group, click New Column, and then in the formula bar, type the following expression and press Enter:

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

AdventureWorksLT Sales - Power BI Desktop

TABLE: Customers (407 rows) COLUMN: Column (1 distinct values)

22. In the Fields pane, click Sales.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Sales (542 rows) COLUMN: RevisionNumber (1 distinct values)

23. Right-click the RevisionNumber column, and click Delete.
 24. In the Delete Column dialog box, click Delete.

Screenshot of Power BI Desktop showing the 'Sales' table in the Data view. A context menu is open over the 'RevisionNumber' column, and a 'Delete column' dialog box is displayed, asking if you're sure you want to delete 'RevisionNumber'. The 'Delete' button is highlighted.

CustomerID	SalesOrderID	SalesOrderDetailID	RevisionNumber	SalesOrderNumber	MainCategory	SubCategory	ProductID	Product	OrderQty	ListPrice
29847	71774	110562	2	SOT1774	Components	Road Frames	836	ML Road Frame-W - Yellow, 48	1	594.83
29847	71774	110563	2	SOT1774	Components	Road Frames	822	ML Road Frame-W - Yellow, 38	1	594.83
30072	71776	110567	2	SOT1776	Components	Brakes	907	Rear Brakes	1	106.5
30113	71780	110620	2	SOT1780	Bikes	Mountain Bikes	990	Mountain-500 Black, 42	1	539.99
30113	71780	110621					991	Mountain Frame - Black, 48	1	249.79
30113	71780	110622					992	Mountain Frame - Black, 42	1	134.96
30113	71780	110626					993	Mountain Pedal	1	80.99
30113	71780	110628					994	Mountain Silver, 42	1	564.99
30113	71780	110631					995	Mountain Black, 48	1	539.99
30113	71780	110640					996	Mountain Handlebars	1	120.27
30113	71780	110642					997	Mountain Frame - Black, 44	1	2384.07
30113	71780	110644					998	Mountain Pack - 70 oz.	1	54.99
29485	71782	110669	2	SOT1782	Bikes	Touring Bikes	954	Touring-1000 Yellow, 46	1	2384.07
29485	71782	110678	2	SOT1782	Bikes	Touring Bikes	978	Touring-3000 Blue, 44	1	74.23
29485	71782	110679	2	SOT1782	Bikes	Touring Bikes	955	Touring-1000 Yellow, 50	1	2384.07
29485	71782	110680	2	SOT1782	Components	Brakes	948	Front Brakes	1	106.5
29485	71782	110681	2	SOT1782	Components	Bottom Brackets	994	LL Bottom Bracket	1	53.99
29485	71782	110682	2	SOT1782	Bikes	Touring Bikes	970	Touring-2000 Blue, 46	1	1214.85
29485	71782	110688	2	SOT1782	Bikes	Touring Bikes	957	Touring-1000 Yellow, 60	1	2384.07
29485	71782	110694	2	SOT1782	Bikes	Touring Bikes	963	Touring-3000 Yellow, 54	1	74.23
29485	71782	110695	2	SOT1782	Bikes	Touring Bikes	953	Touring-2000 Blue, 60	1	1214.85
29485	71782	110699	2	SOT1782	Components	Saddles	916	HL Touring Seat/Saddle	1	52.64
29485	71782	110700	2	SOT1782	Components	Touring Frames	886	LL Touring Frame - Yellow, 62	1	333.42
29485	71782	110701	2	SOT1782	Components	Touring Frame	907	HL Touring Frame - Blue, 54	1	1002.01

25. Right-click the SalesOrderNumber column, and click Delete.

Screenshot of Power BI Desktop showing the 'Sales' table in the Data view. A context menu is open over the 'SalesOrderNumber' column, and a 'Delete column' dialog box is displayed, asking if you're sure you want to delete 'SalesOrderNumber'. The 'Delete' button is highlighted.

CustomerID	SalesOrderID	SalesOrderDetailID	SalesOrderNumber	MainCategory	SubCategory	ProductID	Product	OrderQty	ListPrice	OrderDate
29847	71774	110562	SOT1774	Components	Road Frames	836	ML Road Frame-W - Yellow, 48	1	594.83	01/06/2008 12:00:00
29847	71774	110563	SOT1774	Components	Road Frames	822	ML Road Frame-W - Yellow, 38	1	594.83	01/06/2008 12:00:00
30072	71776	110567	SOT1776	Components	Brakes	907	Rear Brakes	1	106.5	01/06/2008 12:00:00
30113	71780	110620	SOT1780	Bikes	Mountain Bikes	990	Mountain-500 Black, 42	1	539.99	01/06/2008 12:00:00
30113	71780	110621				991	Mountain Frame - Black, 48	1	249.79	01/06/2008 12:00:00
30113	71780	110622				992	Mountain Frame - Black, 42	1	134.96	01/06/2008 12:00:00
30113	71780	110626				993	Mountain Pedal	1	80.99	01/06/2008 12:00:00
30113	71780	110628				994	Mountain Silver, 42	1	564.99	01/06/2008 12:00:00
30113	71780	110631				995	Mountain Black, 48	1	539.99	01/06/2008 12:00:00
30113	71780	110640				996	Mountain Handlebars	1	120.27	01/06/2008 12:00:00
30113	71780	110642				925	Mountain Frame - Black, 44	1	2384.07	01/06/2008 12:00:00
30113	71780	110644				880	Hydration Pack - 70 oz.	1	54.99	01/06/2008 12:00:00
29485	71782	110669	SOT1782	Bikes	Touring Bikes	954	Touring-1000 Yellow, 46	1	2384.07	01/06/2008 12:00:00
29485	71782	110678	SOT1782	Bikes	Touring Bikes	978	Touring-3000 Blue, 44	1	74.23	01/06/2008 12:00:00
29485	71782	110679	SOT1782	Bikes	Touring Bikes	955	Touring-1000 Yellow, 50	1	2384.07	01/06/2008 12:00:00
29485	71782	110680	SOT1782	Components	Brakes	948	Front Brakes	1	106.5	01/06/2008 12:00:00
29485	71782	110682	SOT1782	Components	Bottom Brackets	994	LL Bottom Bracket	1	53.99	01/06/2008 12:00:00
29485	71782	110688	SOT1782	Bikes	Touring Bikes	970	Touring-2000 Blue, 46	1	1214.85	01/06/2008 12:00:00
29485	71782	110694	SOT1782	Bikes	Touring Bikes	953	Touring-3000 Yellow, 54	1	2384.07	01/06/2008 12:00:00
29485	71782	110695	SOT1782	Bikes	Touring Bikes	953	Touring-2000 Blue, 60	1	74.23	01/06/2008 12:00:00
29485	71782	110699	SOT1782	Components	Saddles	916	HL Touring Seat/Saddle	1	52.64	01/06/2008 12:00:00
29485	71782	110700	SOT1782	Components	Touring Frames	886	LL Touring Frame - Yellow, 62	1	333.42	01/06/2008 12:00:00
29485	71782	110701	SOT1782	Components	Touring Frame	907	HL Touring Frame - Blue, 54	1	1002.01	01/06/2008 12:00:00

26. In the Delete Column dialog box, click Delete.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Sales (542 rows) COLUMN: SalesOrderNumber (32 distinct values)

27. Right-click the CustomerID column, and then click Hide in Report View.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Sales (542 rows) COLUMN: CustomerID (32 distinct values)

28. Right-click the SalesOrderID column, and then click Hide in Report View.

AdventureWorksLT Sales - Power BI Desktop

TABLE: Sales (542 rows) COLUMN: SalesOrderID (32 distinct values)

29. Right-click the SalesOrderDetailID column, and then click Hide in Report View.
30. On the Modeling ribbon, in the Calculations group, click New Column, and then in the formula bar, type the following expression and press Enter:

LineTotal = Sales[OrderQty] * Sales[ListPrice]

AdventureWorksLT Sales - Power BI Desktop

TABLE: Sales (542 rows) COLUMN: Column (1 distinct values)

31. Click the LineTotal column header.
32. On the Modeling ribbon, in the Formatting group, click Format: General, point to Currency, and then click \$ English (United States).

TABLE: Sales (542 rows) COLUMN: LineTotal (259 distinct values)

33. On the Modeling ribbon, in the Calculations group, click New Measure, and then in the formula bar, type the following expression and press Enter:

$$\text{TargetSales} = \text{SUM}(\text{'Sales'}[\text{LineTotal}]) * 1.2$$

TABLE: Sales (542 rows) COLUMN: Measure (0 distinct values)

34. Click Save, and then leave Power BI Desktop open for the next task.

4. Ejercicio 1: Conexión a datos de Power BI - Tarea 4: Combinar datos

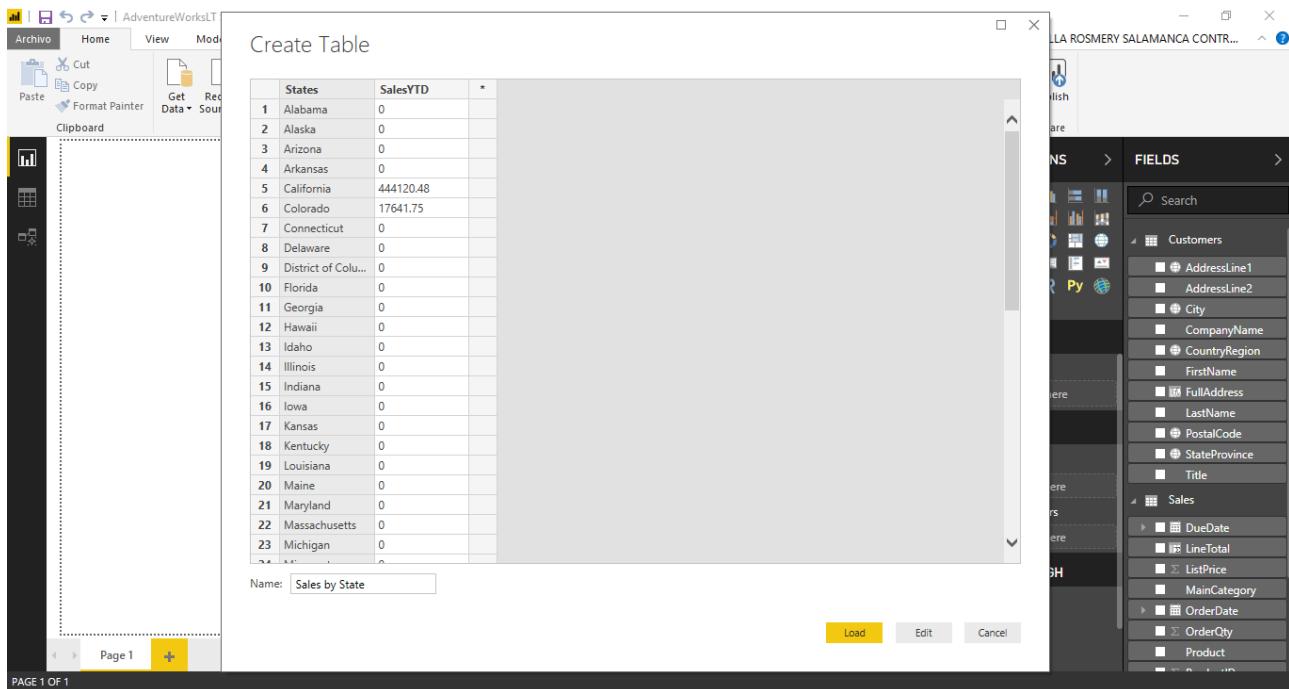
1. In File Explorer, browse to the D:/Labfiles/Lab06/Starter/Project folder, and then open the States.xlsx file.

		B52	:	X	f _x	0													
1	States	SalesYTD	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
2	Alabama	0																	
3	Alaska	0																	
4	Arizona	0																	
5	Arkansas	0																	
6	California	444120.48																	
7	Colorado	17641.75																	
8	Connecticut	0																	
9	Delaware	0																	
10	District of Columbia	0																	
11	Florida	0																	
12	Georgia	0																	
13	Hawaii	0																	
14	Idaho	0																	
15	Illinois	0																	
16	Indiana	0																	
17	Iowa	0																	
18	Kansas	0																	
19	Kentucky	0																	
20	Louisiana	0																	
21	Maine	0																	
22	Maryland	0																	
23	Massachusetts	0																	

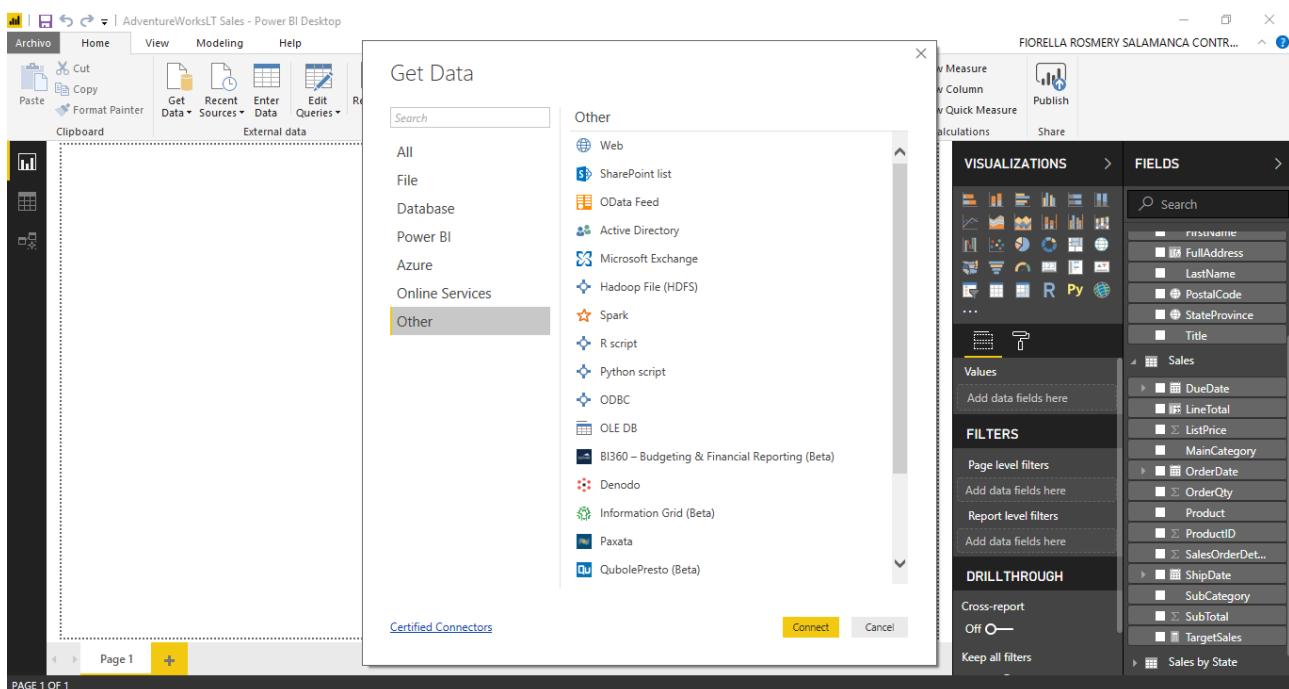
2. In the States worksheet, select all of the values in the two columns, and then press Ctrl+C.
3. In Power BI Desktop, on the Home ribbon, click Enter Data.

The screenshot shows the Power BI Desktop interface with the Home ribbon tab selected. The ribbon includes standard Office-like buttons for Cut, Copy, Paste, and various data import options like Get Data, Recent Sources, and Enter Data. Below the ribbon, there's a large workspace area with a dotted grid. To the right of the workspace are several panes: the Visualizations pane displays various chart and report components; the Fields pane shows a hierarchical list of data fields from the 'Customers' and 'Sales' tables, such as AddressLine1, AddressLine2, City, CompanyName, CountryRegion, FirstName, FullAddress, LastName, PostalCode, StateProvince, and Title; and the Calculations pane contains options for New Measure, New Column, and New Quick Measure. At the bottom of the screen, there are navigation buttons for Page 1 and Page 2, along with a status bar indicating 'PAGE 1 OF 1'.

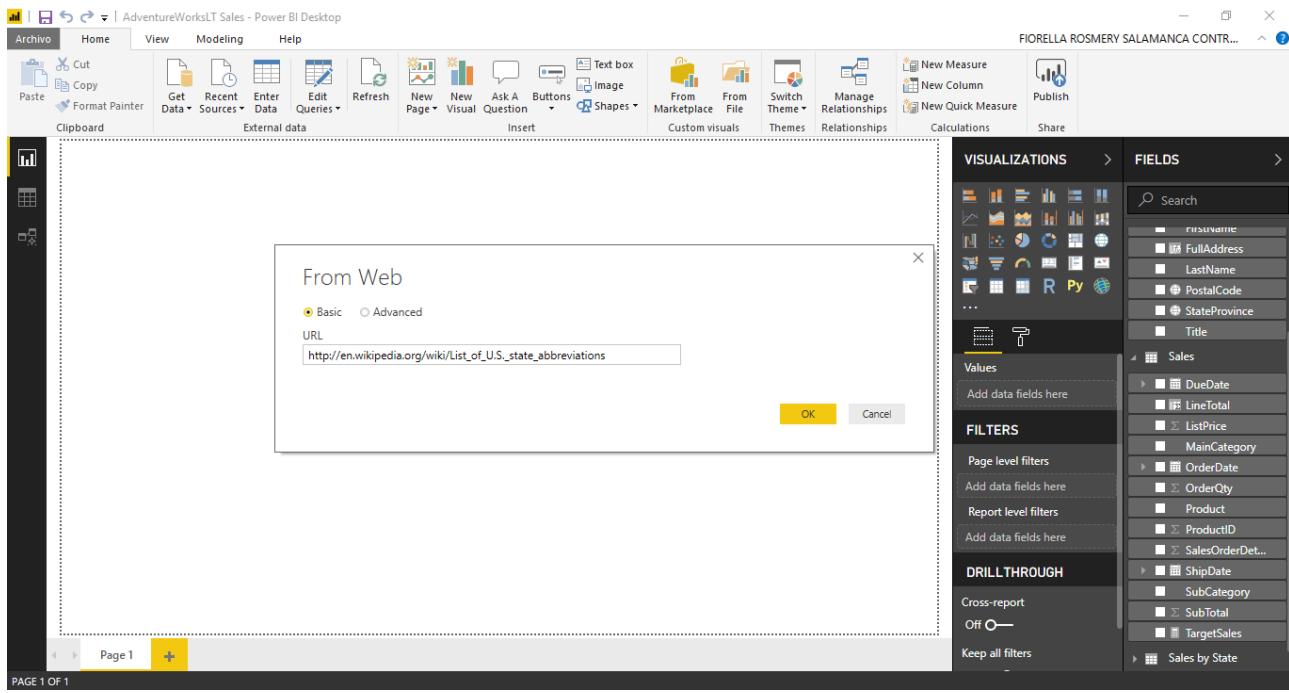
- In the Create Table dialog box, click in the table, and then press Ctrl+V. Power BI detects that the first row is a column header.
- In the Name box, type Sales by State, and then click Load.



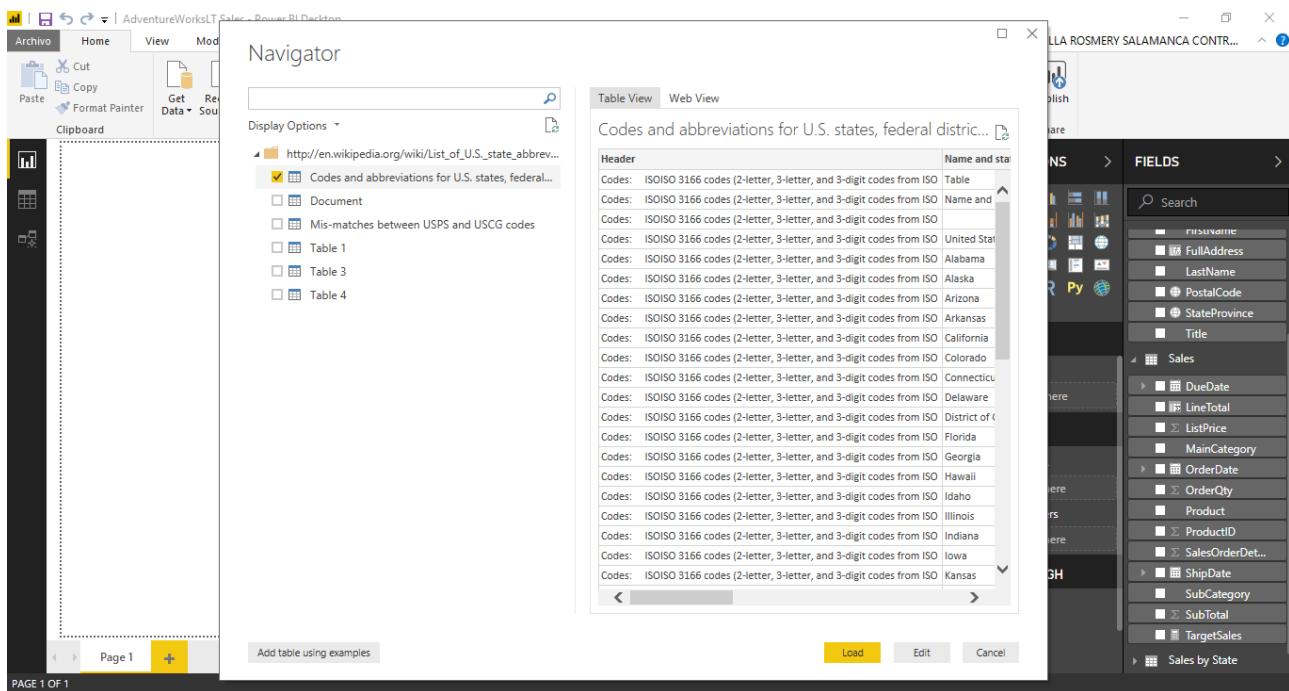
- On the Home ribbon, click Get Data, and then click Web.



- In the From Web dialog box, in the URL box, type http://en.wikipedia.org/wiki/List_of_U.S._state_abbreviations, and then click OK.



8. In the Navigator dialog box, select Codes and abbreviations for U.S. states, territories and other regions, and then click Load.



9. In the Fields pane, click Codes and abbreviations for U.S. states, territories and other regions to display the data. The table has 26 rows at the bottom that are not needed.

10. On the Home ribbon, in the External Data group, click Edit Queries, then click Edit Queries.
11. In Query Editor, in the Queries pane, click Codes and abbreviations for U.S. states, territories and other regions.
12. On the Home ribbon, click Reduce Rows, click Remove Rows, and then click Remove Bottom Rows.

13. In the Remove Bottom Rows dialog box, in the Number of rows box, type 26, and then click OK.

AdventureWorksLT Sales - Power Query Editor

Queries [5]

Remove Bottom Rows

Specify how many rows to remove from the bottom.

Number of rows: 26

OK **Cancel**

QUERY SETTINGS

- PROPERTIES**
 - Name: Codes and abbreviations for U S states, f
 - All Properties
- APPLIED STEPS**
 - Source
 - Navigation
 - Changed Type

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14. Click the ANSI2 column header, and then hold down the Ctrl key while selecting all of the columns to the right. This selects multiple rows.

AdventureWorksLT Sales - Power Query Editor

Queries [5]

ANSI2

USPS

USCG

GPO

AP

Other abbr

00

AL

AK

AZ

AR

CA

CO

CT

DE

DC

FL

GA

HI

ID

IL

IN

IA

ALa.

Alaska

Ariz.

Ark.

Calif.

Colo.

Conn.

Del.

D.C.

Fla.

Ga.

Hawaii

Idaho

Ill.

Ind.

Iowa

Alas.

Az.

Ark.

Calif.

Col.

Ct.

De.

Wash. D.C.

Geo.

H.I.

Ida.

Ill., Ill's

In.

Ia., Ioa.

Other abbreviation

Other abbreviation

U.S.

U.S.A.

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15. Still holding down Ctrl, click the Name and status of region2 and Header columns to include this in the selection.

Queries [5]

Table	Table	Table	Table	Table
1 Table	Table	Table	Table	Table
2 Name and status of region	ISO	ANSI	ANSI	USPS
3 null	null	null	null	null
4 Federal state	US	US	00	US
	USA			
	840			
5 State	US-AL	AL	01	AL
6 State	US-AK	AK	02	AK
7 State	US-AZ	AZ	04	AZ
8 State	US-AR	AR	05	AR
9 State	US-CA	CA	06	CA
10 State	US-CO	CO	08	CO
11 State	US-CT	CT	09	CT
12 State	US-DE	DE	10	DE
13 Federal district	US-DC	DC	11	DC
14 State	US-FL	FL	12	FL
15 State	US-GA	GA	13	GA
16 State	US-HI	HI	15	HI
17 State	US-ID	ID	16	ID
18 State	US-IL	IL	17	IL
19 State	US-IN	IN	18	IN
20 State	US-IA	IA	19	IA
21				

11 COLUMNS, 55 ROWS Column profiling based on top 1000 rows

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16. On the Home ribbon, click Manage Columns, click Remove Columns, and then click Remove Columns.
17. In the Query Settings pane, under Properties, in the Name box, type States with Codes, and then press Enter.

Queries [5]

Table	Table	Table	Table	Table
1 Table	Table	Table	Table	Table
2 Name and status of region	ISO	ANSI	ANSI	USPS
3 null	null	null	null	null
4 United States of America	US	US	US	US
	USA			
	840			
5 Alabama	US-AL	AL	AL	AL
6 Alaska	US-AK	AK	AK	AK
7 Arizona	US-AZ	AZ	AZ	AZ
8 Arkansas	US-AR	AR	AR	AR
9 California	US-CA	CA	CA	CA
10 Colorado	US-CO	CO	CO	CO
11 Connecticut	US-CT	CT	CT	CT
12 Delaware	US-DE	DE	DE	DE
13 District of Columbia	US-DC	DC	DC	DC
14 Florida	US-FL	FL	FL	FL
15 Georgia	US-GA	GA	GA	GA
16 Hawaii	US-HI	HI	HI	HI
17 Idaho	US-ID	ID	ID	ID
18 Illinois	US-IL	IL	IL	IL
19 Indiana	US-IN	IN	IN	IN
20 Iowa	US-IA	IA	IA	IA
21 Kansas	US-KS	KS	KS	KS
22 Kentucky	US-KY	KY	KY	KY
23				

4 COLUMNS, 55 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 02:35P.M.

18. On the Home ribbon, in the Transform group, click Use First Row as Headers.
19. Right-click the United States of America column header, click Rename, type State Name, and then press Enter.

AdventureWorksLT Sales - Power Query Editor

Queries [5]

	A ^b C Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit cod...	A ^b C State Name	A ^b C Column3	A ^b C Column4
1	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	ISO	ANSI	null
2	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	null	null	null
3	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	United States of America	US	US
			USA	
			840	
4	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Alabama	US-AL	AL
5	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Alaska	US-AK	AK
6	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Arizona	US-AZ	AZ
7	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Arkansas	US-AR	AR
8	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	California	US-CA	CA
9	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Colorado	US-CO	CO
10	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Connecticut	US-CT	CT
11	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Delaware	US-DE	DE
12	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	District of Columbia	US-DC	DC
13	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Florida	US-FL	FL
14	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Georgia	US-GA	GA
15	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Hawaii	US-HI	HI
16	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Idaho	US-ID	ID
17	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Illinois	US-IL	IL
18	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Indiana	US-IN	IN
19	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Iowa	US-IA	IA
20	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Kansas	US-KS	KS
21	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Kentucky	US-KY	KY
22	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Louisiana	US-LA	LA
23	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Maine	US-ME	ME

4 COLUMNS, 54 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 02:35P.M.

20. Right-click the US USA 840 column header, click Rename, type State Code Long, and then press Enter.

AdventureWorksLT Sales - Power Query Editor

Queries [5]

	A ^b C Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit cod...	A ^b C State Name	A ^b C State Code Long	A ^b C Column4
1	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	ISO	ANSI	null
2	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	null	null	null
3	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	United States of America	US	US
			USA	
			840	
4	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Alabama	US-AL	AL
5	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Alaska	US-AK	AK
6	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Arizona	US-AZ	AZ
7	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Arkansas	US-AR	AR
8	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	California	US-CA	CA
9	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Colorado	US-CO	CO
10	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Connecticut	US-CT	CT
11	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Delaware	US-DE	DE
12	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	District of Columbia	US-DC	DC
13	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Florida	US-FL	FL
14	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Georgia	US-GA	GA
15	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Hawaii	US-HI	HI
16	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Idaho	US-ID	ID
17	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Illinois	US-IL	IL
18	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Indiana	US-IN	IN
19	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Iowa	US-IA	IA
20	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Kansas	US-KS	KS
21	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Kentucky	US-KY	KY
22	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Louisiana	US-LA	LA
23	Codes: ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes from ...	Maine	US-ME	ME

4 COLUMNS, 54 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 02:35P.M.

21. Right-click the US column header, click Rename, type State Code Short, and then press Enter.

The screenshot shows the Power Query Editor interface with the 'Merge' dialog open. The 'Sales by State' query is the left table, and the 'States with Codes' query is the right table. The 'State Name' column from the right table is selected for merging. The 'OK' button is highlighted.

22. In the Queries pane, click Sales by State.
23. On the Home ribbon, click Combine, and then click Merge Queries.
24. In the Merge dialog box, in the Sales by State table, click the States column.
25. In the list, click States with Codes, click the State Name column, and then click OK. The new column is added to the table and contains the merged States with Codes table.

The screenshot shows the Power Query Editor interface with the 'Merge' dialog open. The 'Sales by State' query is the left table, and the 'States with Codes' query is the right table. The 'State Name' column from the right table is selected for merging. The 'OK' button is highlighted.

26. In the column header, click the Expand icon, clear (Select All Columns), select State Code Short, and then click OK. The column now shows just the state codes.

AdventureWorksLT Sales - Power Query Editor

Queries [5]

1.2 SalesYTD States with Codes

Search Columns to Expand

Expand Aggregate

Codes: ISOISO 3166 codes (2-letter, 3-letter, a

State Name

State Code Long

State Code Short

Use original column name as prefix

OK Cancel

Table

3 COLUMNS, 51 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 02:35P, M.

27. Right-click the column, click Rename, type State Code, and then press Enter.
28. On the File menu, click Close & Apply.

AdventureWorksLT Sales - Power Query Editor

Archivo

Close & Apply

Apply

Close

Save

Save As

Options and settings >

Help

State Code

3 COLUMNS, 51 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 02:35P, M.

QUERY SETTINGS

PROPERTIES

Name: Sales by State

All Properties

APPLIED STEPS

Source

Changed Type

Merged Queries

Expanded States with Codes

Renamed Columns

29. In the Fields pane, right-click States with Codes, and then click Hide in Report View.

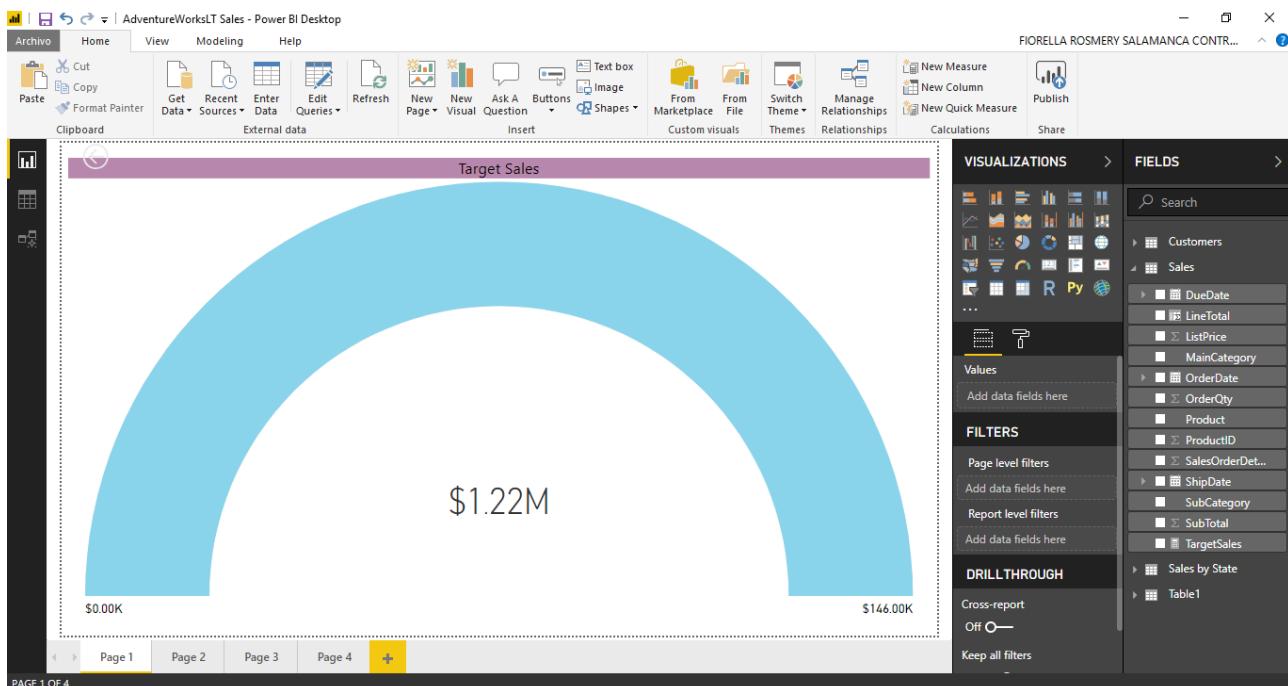
The screenshot shows the Power BI Desktop interface with the title bar "AdventureWorksLT Sales - Power BI Desktop". The ribbon menu includes "Archivo", "Home", "Modeling", and "Help". The "Modeling" tab is selected, showing various tools like "Get Data", "Edit Queries", "Refresh", and "New Page". The "Insert" tab is also visible. A message at the top says "There are pending changes in your queries that haven't been applied." Below the ribbon is a table titled "Header" with columns: Codes, Name and status of region, ISO, ANSI, ANSI2, USPS, USCG, and GPO. The table contains 81 rows of data. To the right of the table is a "FIELDS" pane with a search bar and a tree view of data sources: Customers, Sales, Sales by State, and States with Codes. The "States with Codes" node is expanded, showing options like "New measure", "New column", "New quick measure", "Refresh data", "Edit query", "Copy Table", "Rename", and "Delete". Other options include "Hide in report view" and "Unhide all".

Codes:	Name and status of region	ISO	ANSI	ANSI2	USPS	USCG	GPO
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	[Table]	[Table]	[Table]	[Table]	[Table]	[Table]	
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Name and status of region	Name and status of region	ISO	ANSI	USPS	USCG	GPO
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	United States of America	Federal state	US USA 840	US	00		U.S.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Alabama	State	US-AL	AL	01	AL	Ala.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Alaska	State	US-AK	AK	02	AK	Alaska
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Arizona	State	US-AZ	AZ	04	AZ	Ariz.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Arkansas	State	US-AR	AR	05	AR	Ark.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	California	State	US-CA	CA	06	CA	Calif.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Colorado	State	US-CO	CO	08	CO	Colo.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Connecticut	State	US-CT	CT	09	CT	Conn.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Delaware	State	US-DE	DE	10	DE	Del.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	District of Columbia	Federal district	US-DC	DC	11	DC	D.C.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Florida	State	US-FL	FL	12	FL	Fla.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Georgia	State	US-GA	GA	13	GA	Ga.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Hawaii	State	US-HI	HI	15	HI	Hawai
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Idaho	State	US-ID	ID	16	ID	Idaho
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Illinois	State	US-IL	IL	17	IL	Ill.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Indiana	State	US-IN	IN	18	IN	Ind.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Iowa	State	US-IA	IA	19	IA	Iowa
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Kansas	State	US-KS	KS	20	KS	Kans.
ISOISO 3166 codes (2-letter, 3-letter, and 3-digit codes fr:	Kentucky	State (Commonwealth)	US-KY	KY	21	KY	Ky.

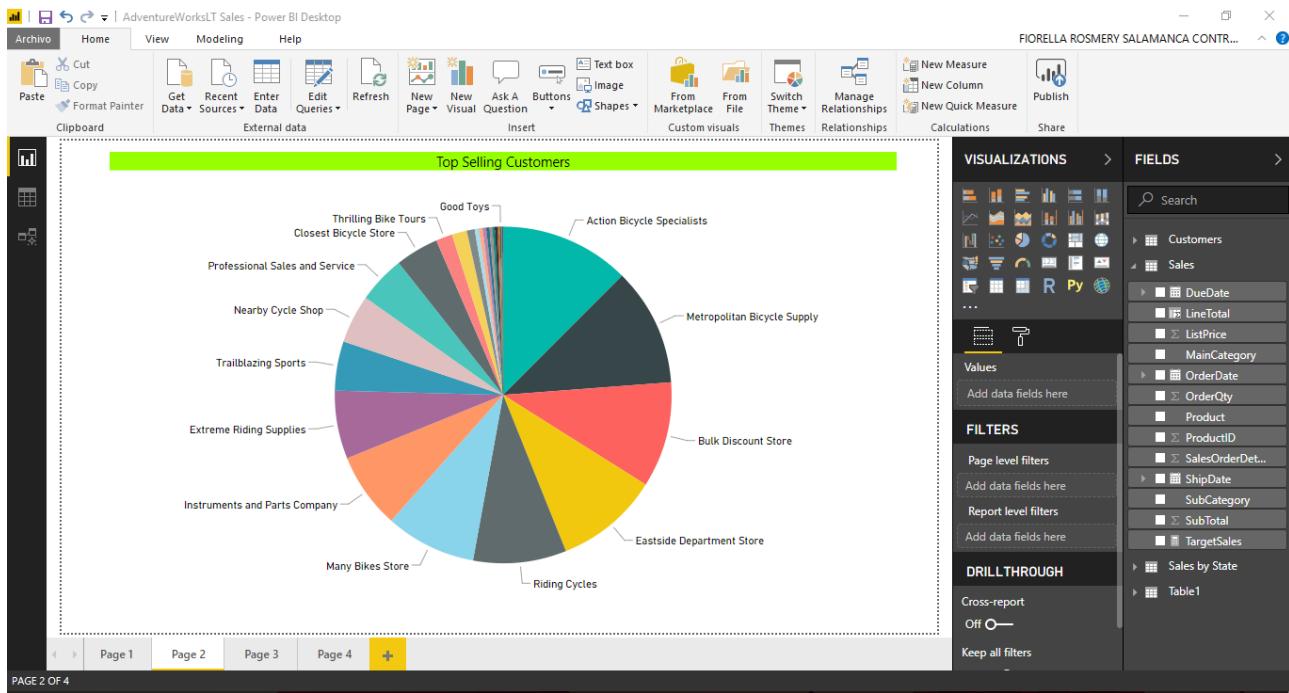
Results: After this exercise, you should have imported data from Azure, shaped it by using the Power BI transformation tools, and combined the data by merging columns and appending rows.

5. Ejercicio 2: Construyendo Reportes en Power BI - Tarea 1: Crear un Grafico

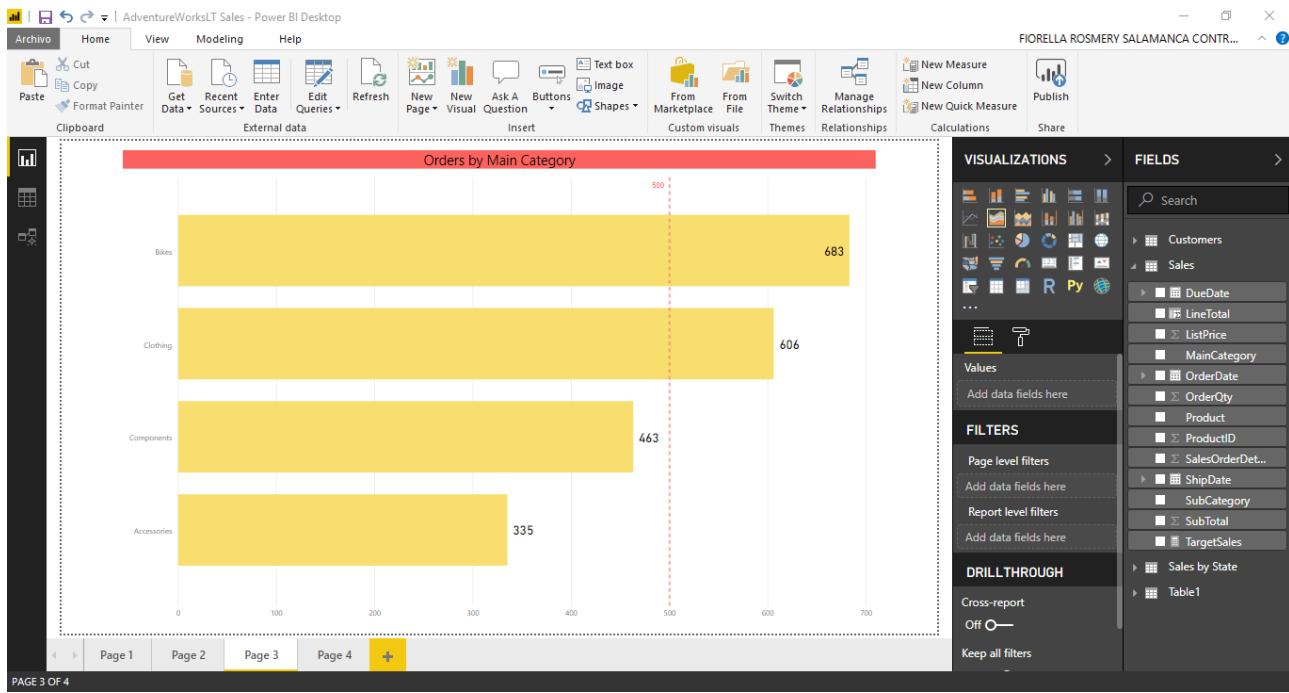
1. En Power BI Desktop, en la barra derecha de navegación, hacer click en Reporte (Report).
2. En el panel de Visualizaciones (Visualizations), hacer click en Gauge.
3. Arrastar el campo (LineTotal) de la table (Sales) a la propiedad Valor (Value) del objeto gauge.
4. Arrastrar la medida Drag the TargetSales measure from the Sales table to the Target value property of the gauge.
5. Click Format, expand Gauge axis, and then in the Max box, type 146000.
6. Expand Title, in the Title Text box, type Target Sales, and then click Center.



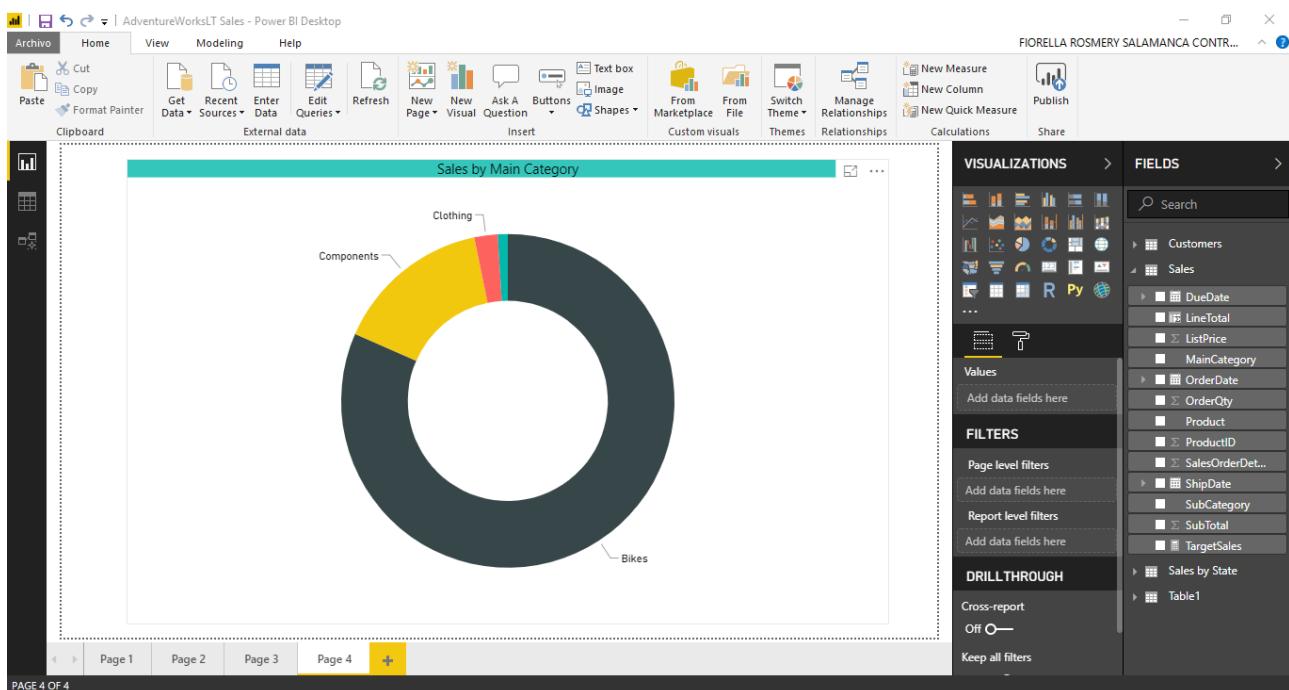
7. Click the report canvas, and then drag the CompanyName field from the Customers table onto the report. Power BI automatically creates a table.
8. Drag the LineTotal field from the Sales table onto the report.
9. Make sure that the table has focus, and then in the Visualizations pane, click Pie chart.
10. Expand the chart to make all of the company names visible by using the resizer handles on the edge of the chart.
11. With the focus still on the pie chart, click Format, and then expand Title.
12. In the Title Text box, type Top Selling Customers, and then click Center.



13. Drag the MainCategory field from the Sales table onto the report canvas. Power BI creates a table.
14. Drag the OrderQty field onto the table.
15. In the Visualizations pane, click Stacked bar chart.
16. In the Visualizations pane, click Fields.
17. Drag the OrderQty field onto the Color saturation property. Notice that the colors change.
18. In the Visualizations pane, click Analytics, expand Constant Line, and then click Add.
19. In the Value box, type 500.
20. Change Color to red, toggle Data label to On, and then change the color to red.
21. In the Visualizations pane, click Format, and expand Title.
22. In the Title Text box, type Orders by Main Category, and then click Center.

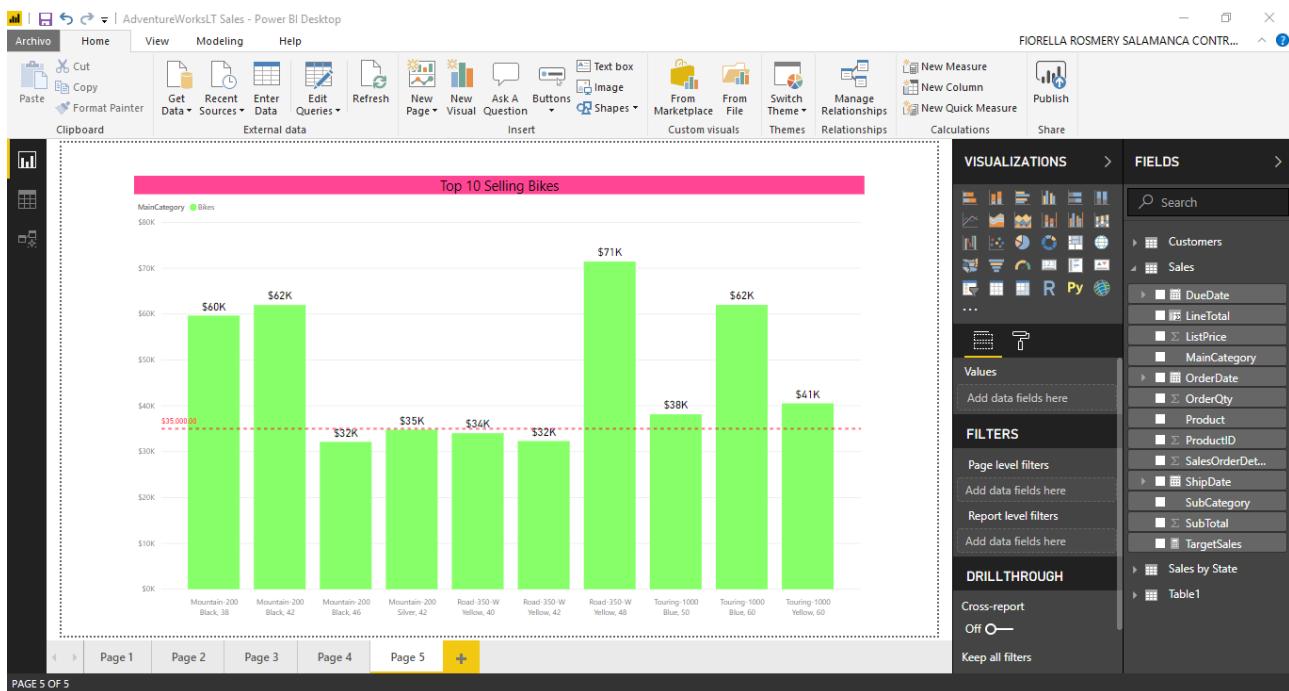


23. Click the report canvas to give it focus, and then in the Visualizations pane, click Donut chart.
24. In the Sales table, select MainCategory and LineTotal.
25. In the Visualizations pane, click Format, and then expand Title.
26. In the Title Text box, type Sales by Main Category, and then click Center.



27. Drag the Product field from the Sales table onto the report canvas. Power BI creates a table.
28. Drag the LineTotal field from the Sales table onto the products table chart.

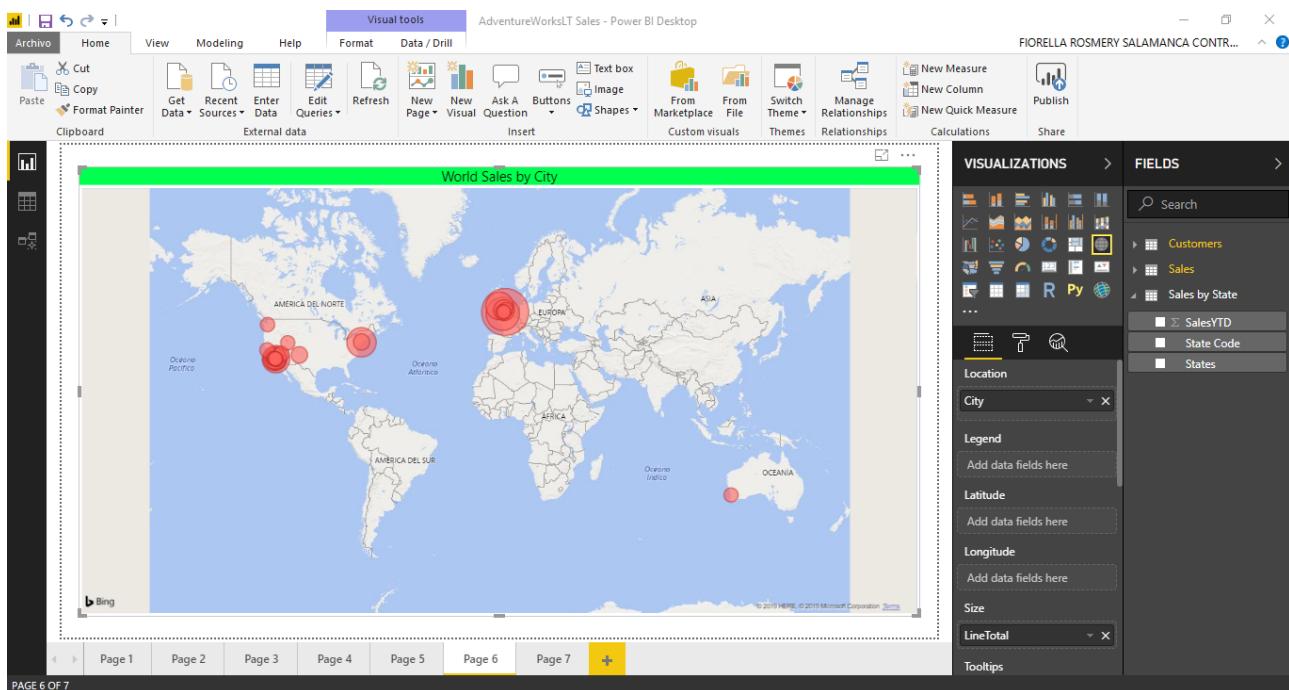
29. In the Sales table, select the MainCategory field.
30. In the Visualizations pane, click Fields.
31. In the Filters pane, expand LineTotal(All).
32. In the Show items when the value list, select is greater than, and then in the box below, type 32000.
33. Click Apply filter.
34. Expand MainCategory(All), and then select Bikes.
35. In the Visualizations pane, click Stacked column chart.
36. In the Visualizations pane, click Format, and then expand Title.
37. In the Title Text box, type Top 10 Selling Bikes, and then click Center.



38. In the Visualizations pane, click Analytics, expand Constant Line, and then click Add.
39. In the Value box, type 35000, and then set Color to red.
40. Toggle Data label to On, and then set Color to red.
41. Expand the chart to fill the remaining space on the report canvas. If necessary, move your visuals around to make them fit.
42. Click Save.

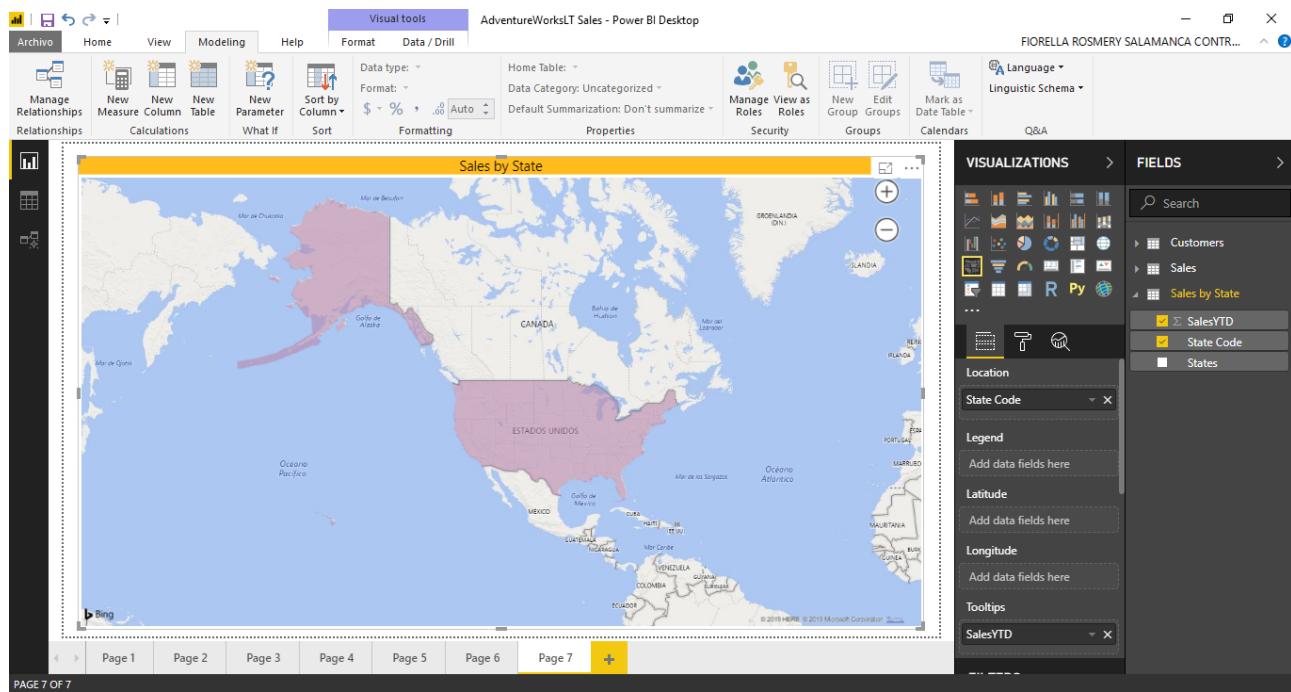
6. Ejercicio 2: Construyendo Reportes en Power BI - Tarea 2: Crear una Visualización de Mapa a Map Visualization

1. At the bottom of the report, click the + icon to add a new page.
2. In the Fields pane, in the Customers table, select the City field. Power BI adds a map to the report.
3. In the Fields pane, in the Sales table, select the LineTotal field.
4. Using the grabber tool on the right side of the chart, resize the map to show all of the bubbles.
5. Notice that the bubbles are proportionally sized to represent the data.
6. In the Visualizations pane, click Format, and then expand Title.
7. In the Title Text box, type World Sales by City, and then click Center.



8. Click the report canvas, and then in the Sales by State table, select the State Code column. Power BI automatically adds a map.
9. In the Sales by State table, select the SalesYTD column.
10. In the Visualizations pane, click Filled Map. Using the grabber tool on the right side and at the bottom of the chart, resize the map to show all the states.
11. Notice that the sales cluster in one area.
12. Position the cursor on California(CA) to see the sales figure. The value has not been formatted as currency.
13. In the Sales by State table, click the SalesYTD column.
14. On the Modeling ribbon, select Format:General, click Currency, and then select \$ English (United States).
15. Position the cursor on California(CA) on the map, and notice that the value has been formatted.
16. In the Visualizations pane, click Format, and then expand Title.

17. In the Title Text box, type Sales by State, and then click Center.

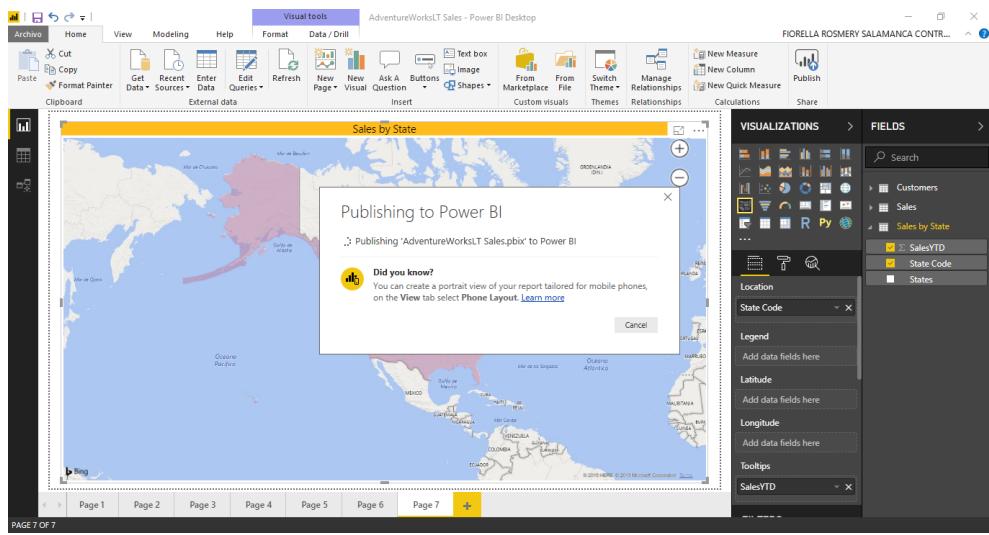


18. Click Save, and then leave the report open for the next exercise.

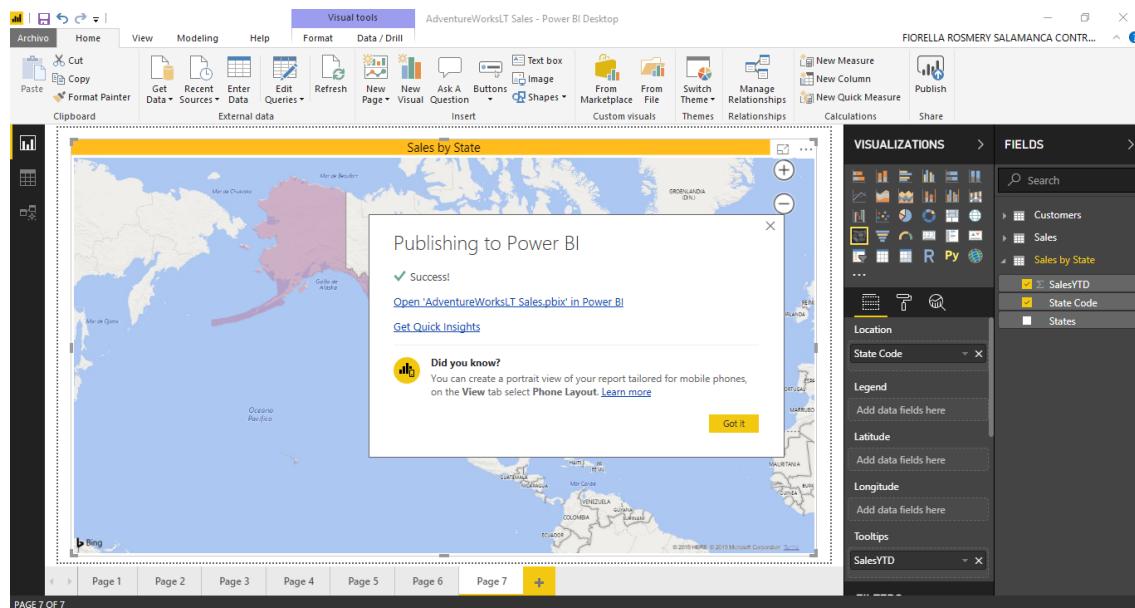
Results: After this exercise, you should have created a report that has chart visuals and is ready to publish to the Power BI service.

7. Ejercicio 3: Crear un panel de Power BI - Tarea 1: Publicar Informes desde Power BI Desktop

1. On the Home ribbon, click Publish.
2. In the Sign in to your account dialog box, enter your username (email address) and password, and then click Sign in.
3. In the Publishing to Power BI dialog box, when the Success label shows, click Open 'AdventureWorksLT Sales.pbix' in Power BI.



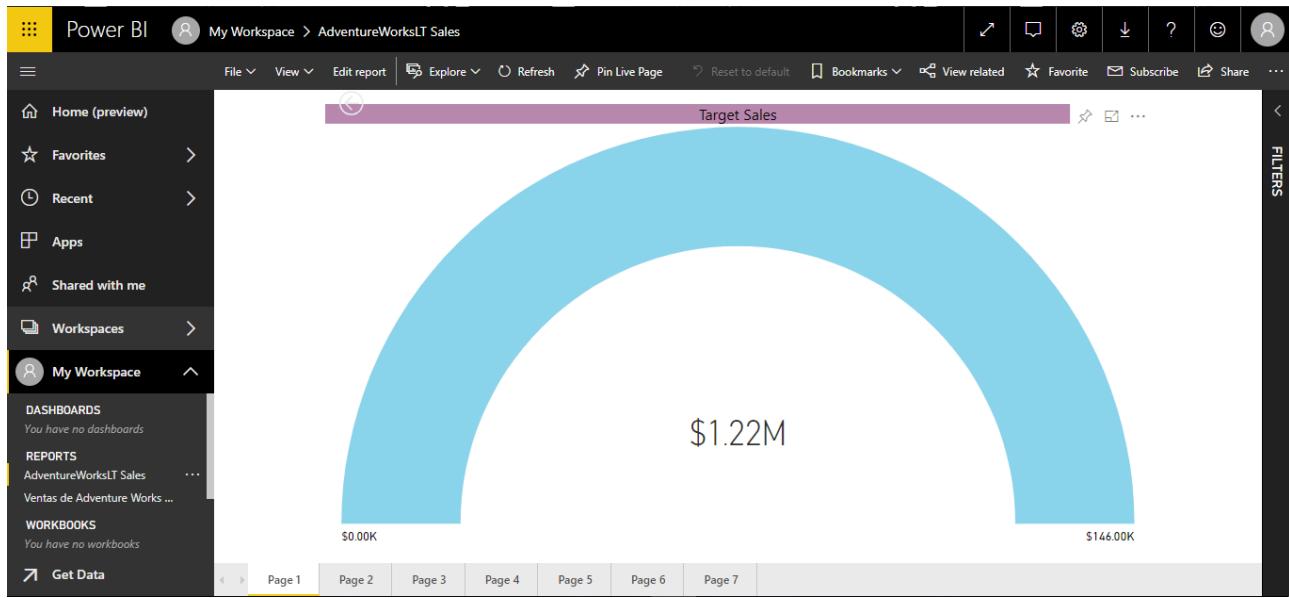
4. Internet Explorer will open. If prompted to sign in, enter your username (email address) and password, and then click Sign in.
5. The report is loaded into the Power BI service.



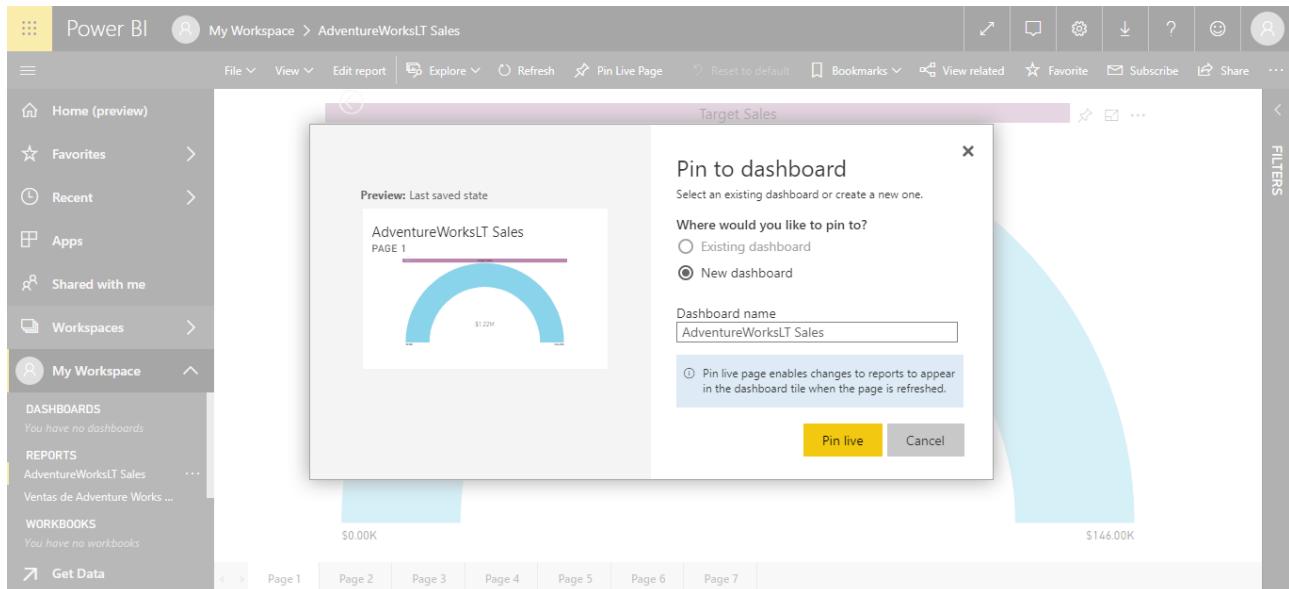
6. Remain signed in for the next task.

8. Ejercicio 3: Crear un panel de Power BI - Tarea 2: Crear un Panel de Power BI

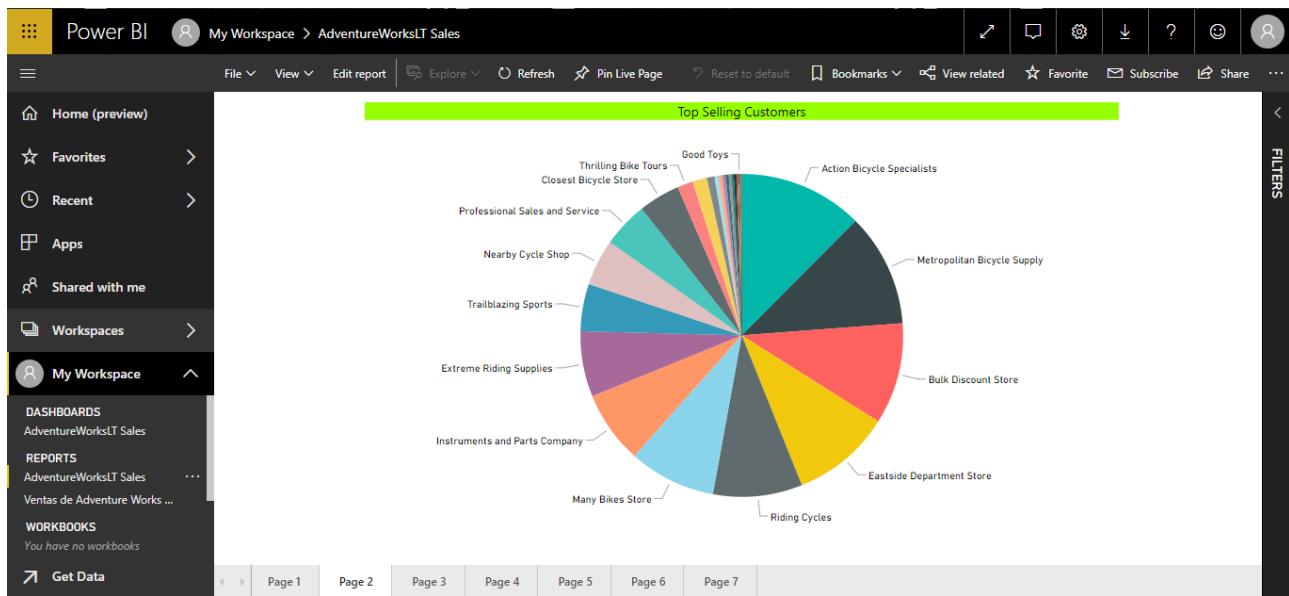
1. In Power BI, in the top-left corner, click Show the navigation pane.
2. Under Reports, click AdventureWorksLT Sales.
3. At the bottom of the page, click Page 1, click the Target Sales visual, and then click Pin visual.



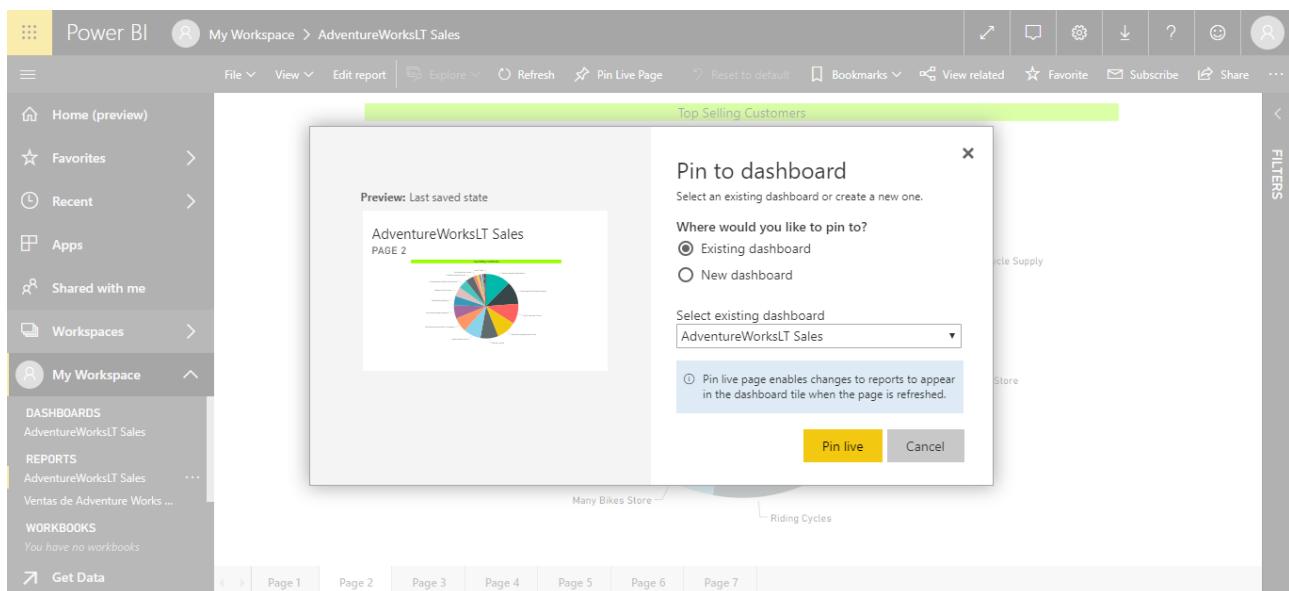
4. In the Pin to dashboard dialog box, click New dashboard, type AdventureWorksLT Sales, and then click Pin.



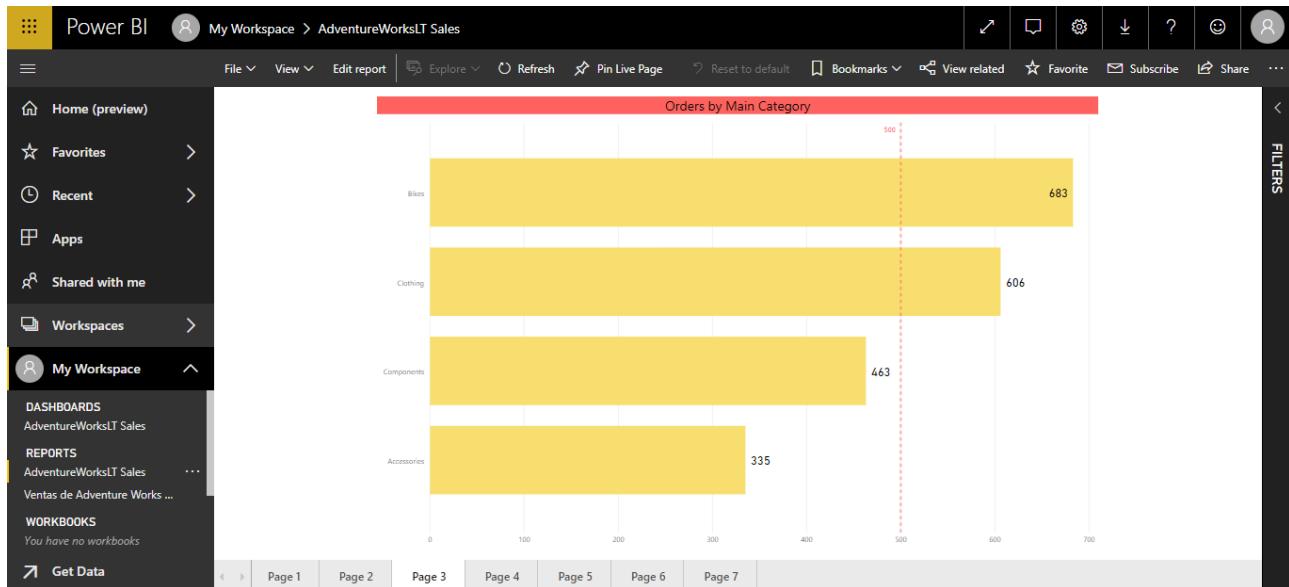
5. On the Top Selling Customers visual, click Pin visual.



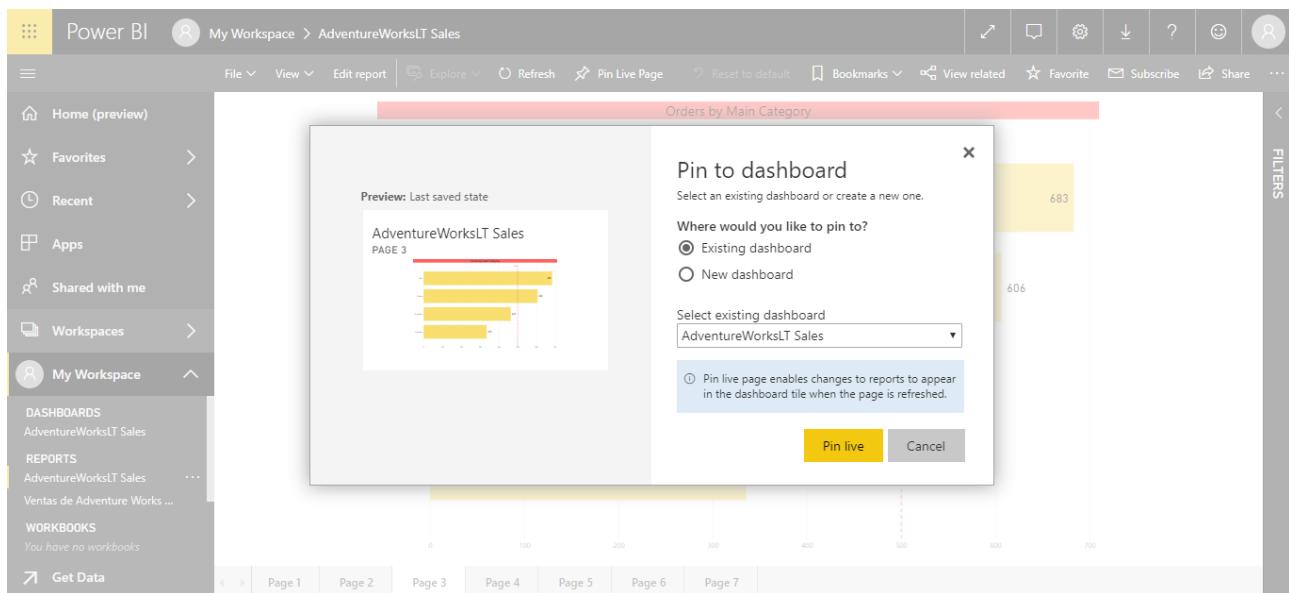
6. In the Pin to dashboard dialog box, click Existing dashboard, in the list, click AdventureWorksLT Sales, and then click Pin.



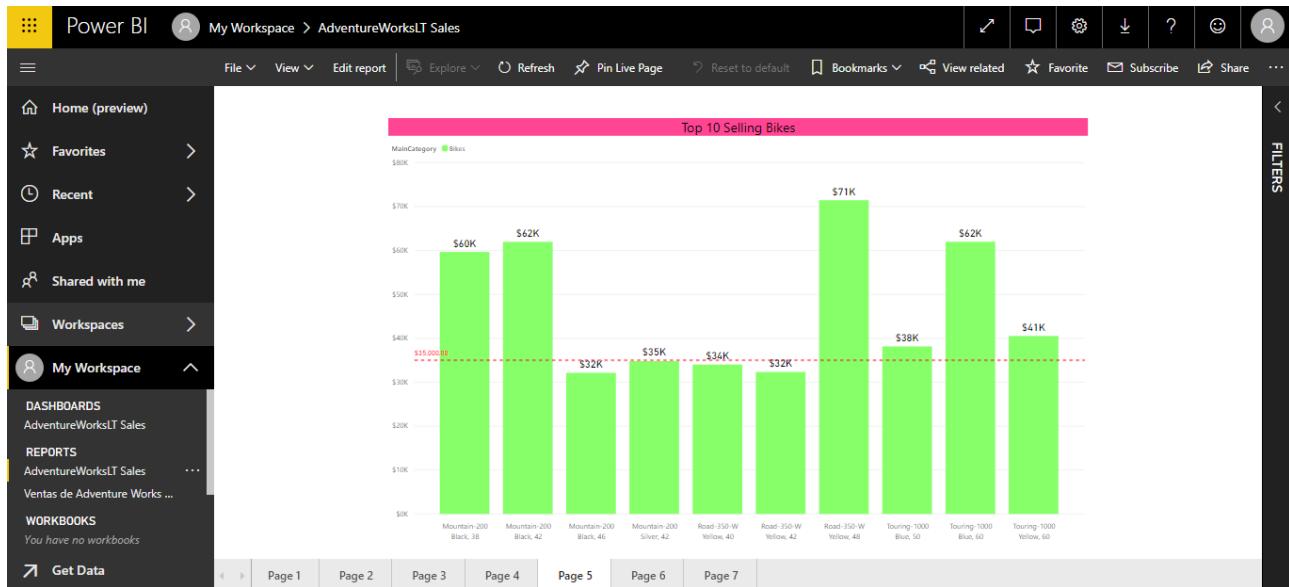
7. On the Orders by Main Category visual, click Pin visual.



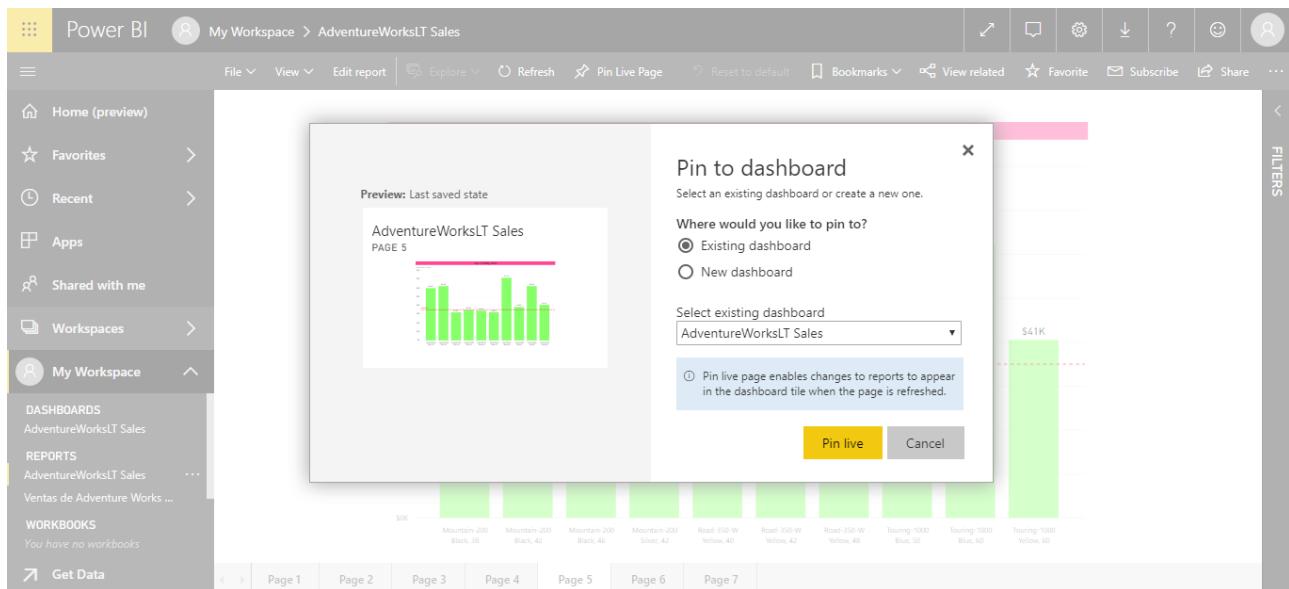
8. In the Pin to dashboard dialog box, click Existing dashboard, in the list, click AdventureWorksLT Sales, and then click Pin.



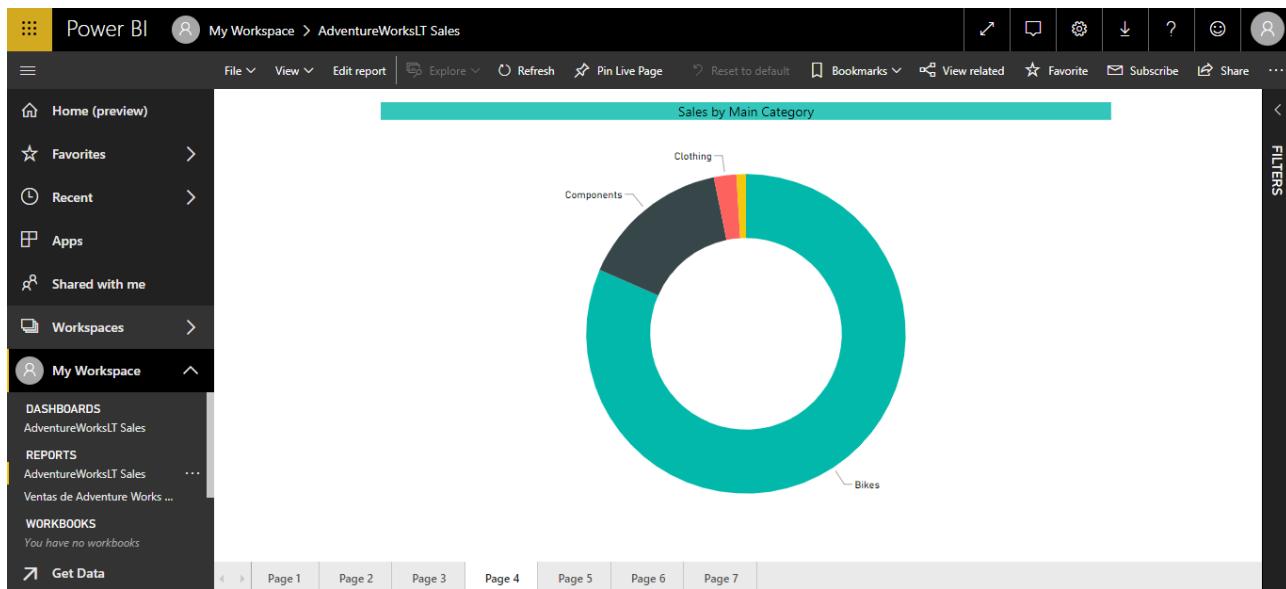
9. On the Top 10 Selling Bikes visual, click Pin visual.



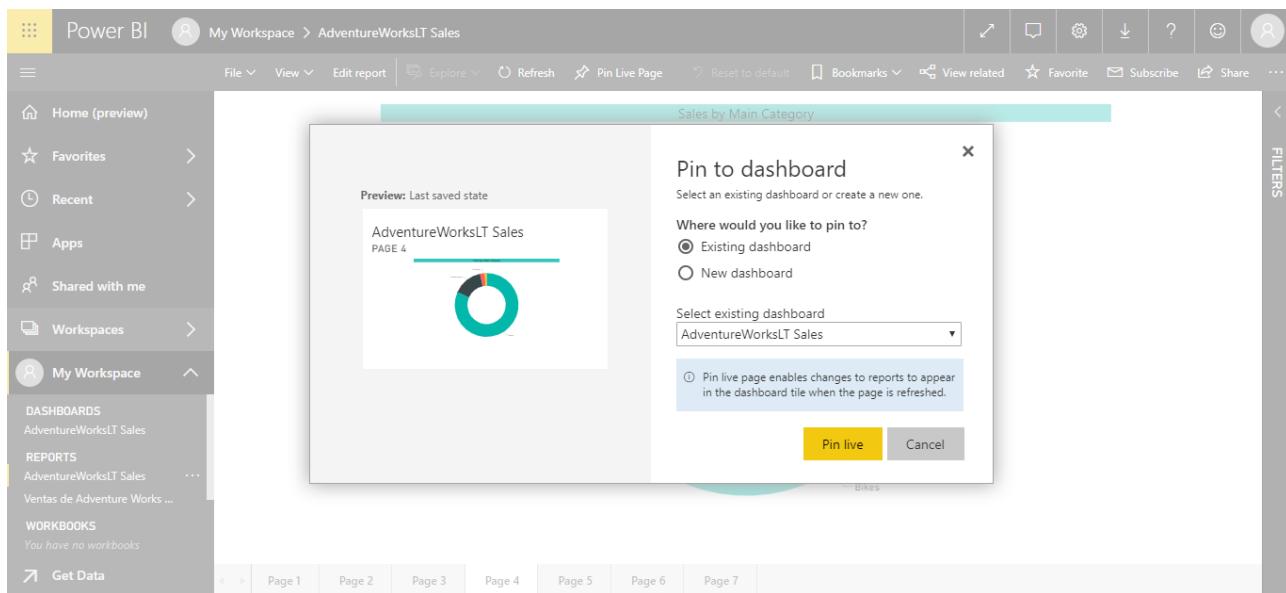
10. In the Pin to dashboard dialog box, click Existing dashboard, in the list, click AdventureWorksLT Sales, and then click Pin.



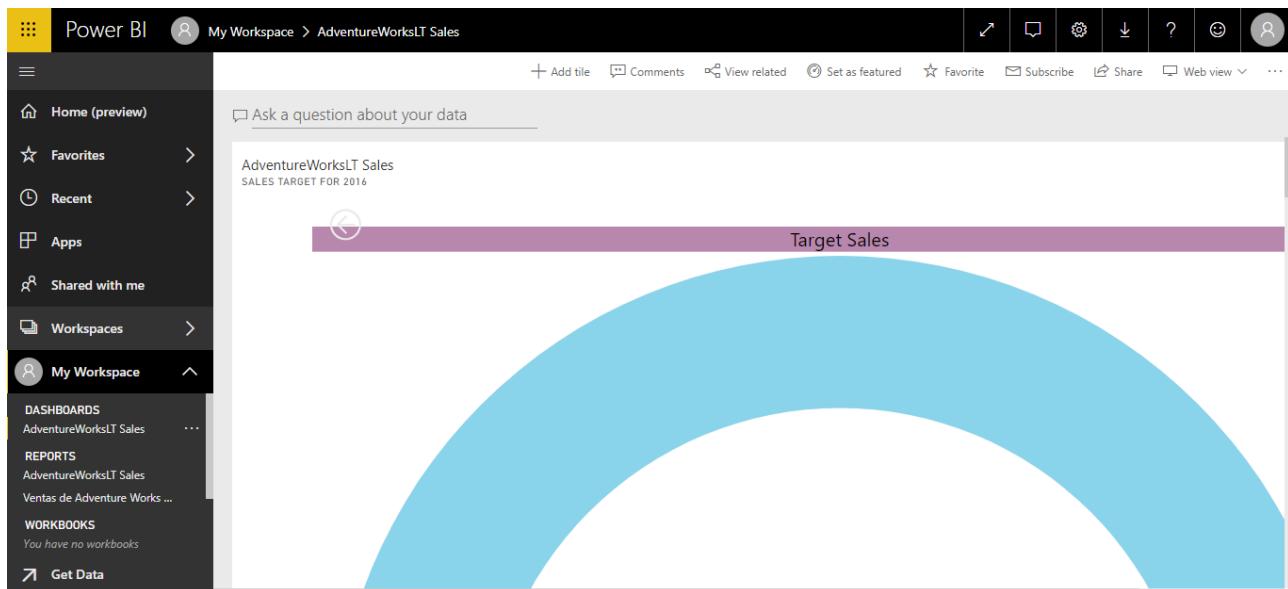
11. On the Sales by Main Category visual, click Pin visual.



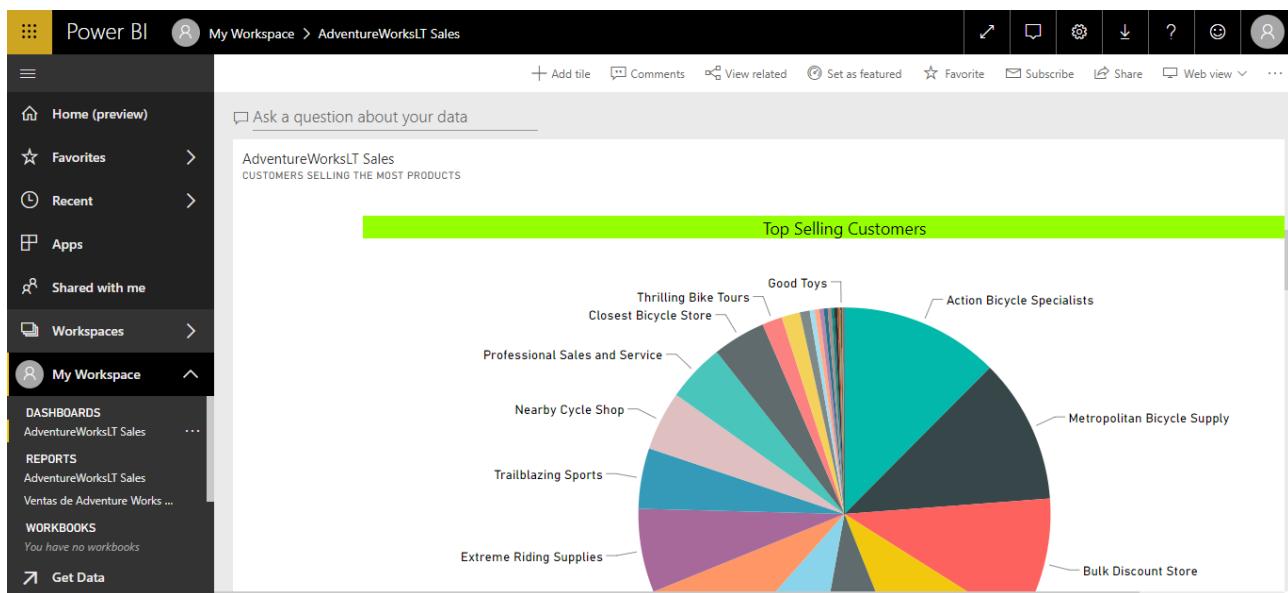
12. In the Pin to dashboard dialog box, click Existing dashboard, in the list, click AdventureWorksLT Sales, and then click Pin.



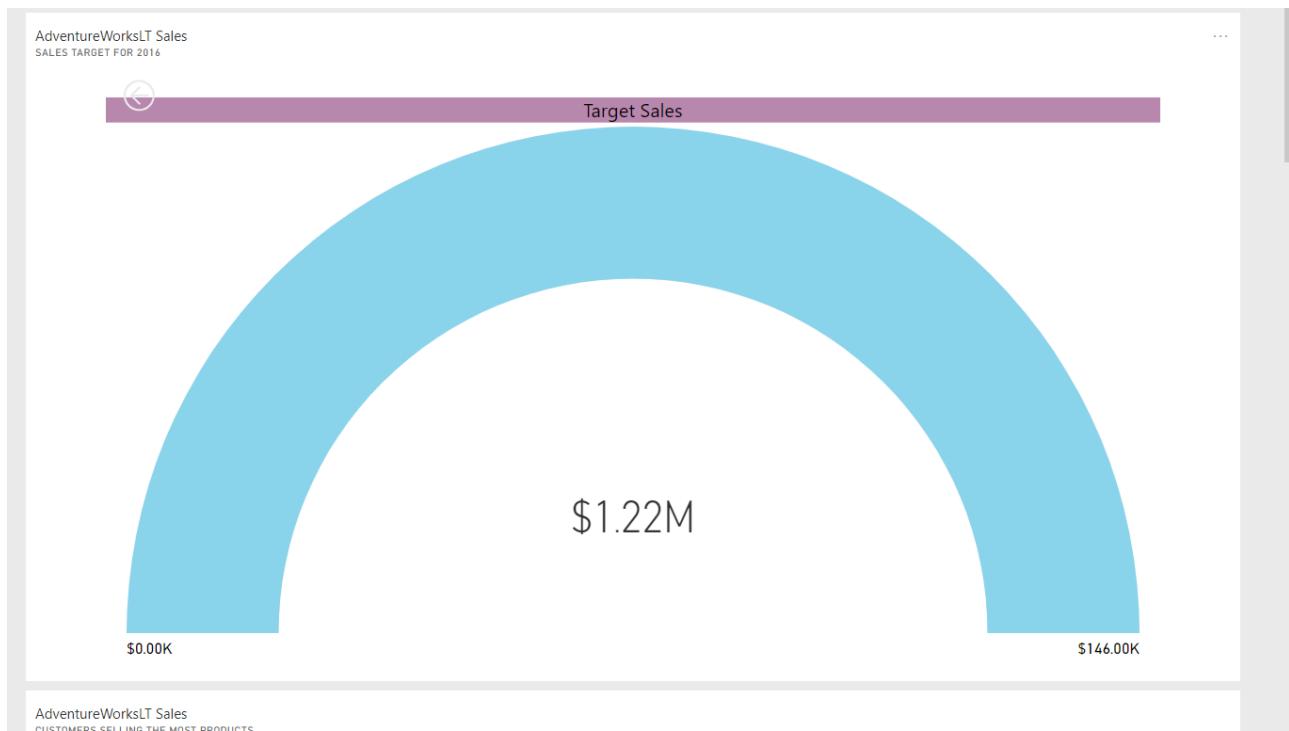
13. The dashboard is listed in the My Workspace pane, under Dashboards. Notice the yellow star icon to denote that this is a new dashboard.
 14. Click the AdventureWorksLT Sales dashboard to open it.
 15. Notice that the tiles are all the same size.
 16. On the Target Sales tile, click Open menu (...), and then click Tile details.
 17. In the Subtitle box, type Sales target for 2016, and then click Apply.



18. On the Top Selling Customers tile, click Open menu (...), and then click Tile details.
19. In the Subtitle box, type Customers selling the most products, and then click Apply.



20. On the Top 10 Selling Bikes tile, click Focus mode. The tile opens into its own space.
21. Expand the Filters pane, expand LineTotal, change the value of 32000 to 40000, and then click Apply filter.
22. Next to the report title, TOP 10 SELLING BIKES, click the Back to AdventureWorksLT Sales button.
23. Click Enter Full Screen Mode. Notice that the dashboard displays without any of the browser interface. This is ideal for presentations.



24. Press Esc to exit full-screen mode, and return to the dashboard.
25. Close Internet Explorer.
26. In the Publishing to Power BI window, click Got it.
27. Close Power BI Desktop, and then close Excel and SQL Server Management Studio without saving any changes.