

UNIVERSIDAD PRIVADA-DE-TACNA



INGENIERIA DE SISTEMAS

TITULO:

Creando un Reporte Interactivo en Power BI

CURSO:

Inteligencia de Negocios

DOCENTE(ING):

Patrick Cuadros Quiroga

Integrante:

Rivas Rios, Marko Antonio

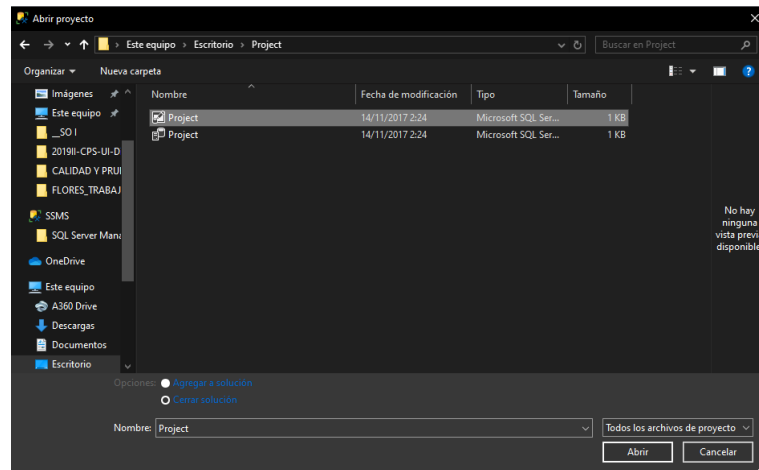
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Índice

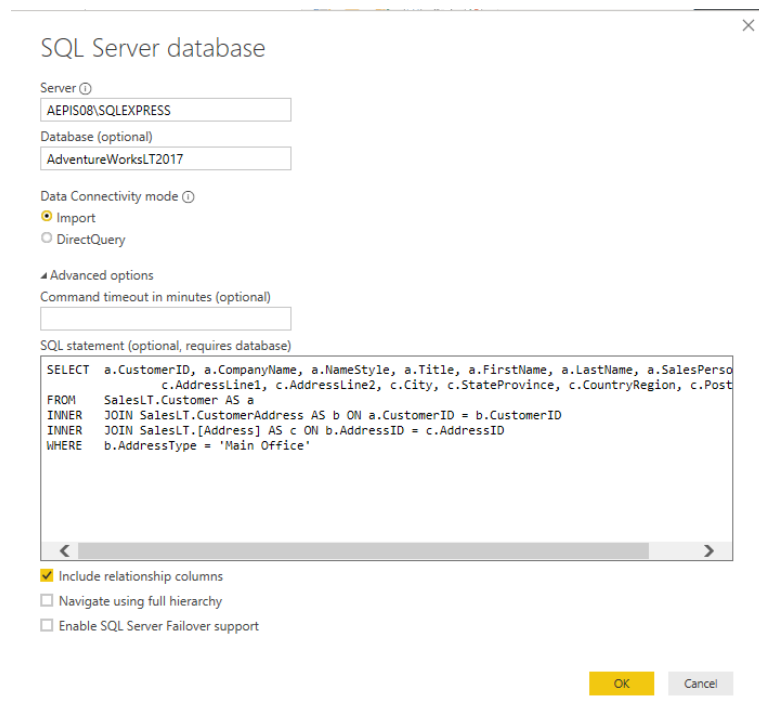
1. Proceso	1
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1. Proceso

- En el menú Archivo (File) de SQL Server Management, abriendo el archivo Project.ssmssln.



- Obteniendo los datos de la base de datos AdventureWorksLT2017 de Microsoft SQL



- panel Campos (Fields) con las tablas Customers y Sales

Fields

>

Search

^

Customers

☐

AddressLine1

☐

AddressLine2

☐

City

☐

CompanyName

☐

CountryRegion

☐

CustomerID

☐

FirstName

☐

LastName

☐

NameStyle

☐

PostalCode

☐

SalesPerson

☐

StateProvince

☐

Title

^

Sales

☐

CustomerID

∨

DueDate

☐

ListPrice

☐

MainCategory

∨

OrderDate

☐

OrderQty

☐

Product

☐

ProductID

☐

RevisionNum...

☐

SalesOrderDe...

☐

SalesOrderID

☐

SalesOrderNu...

∨

ShipDate

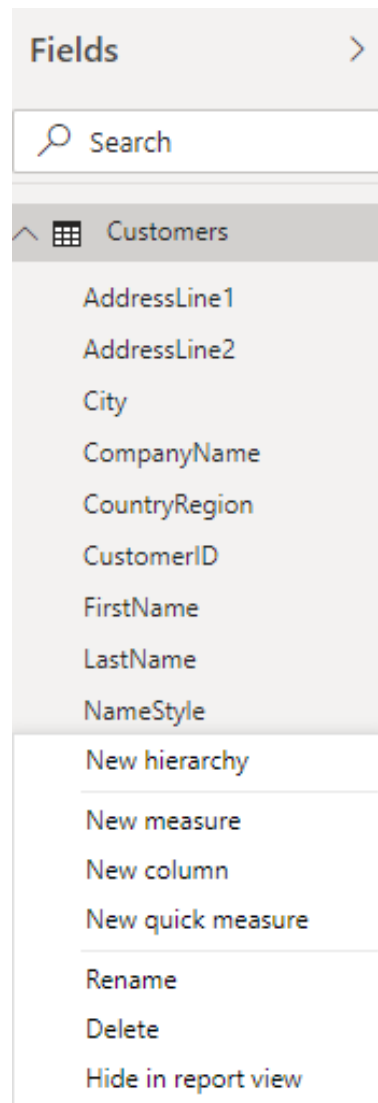
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SubCategory

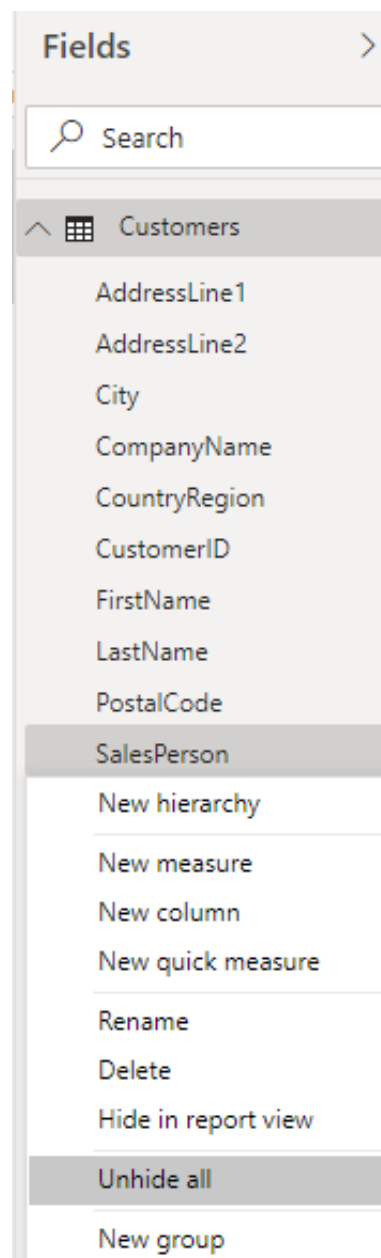
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SubTotal

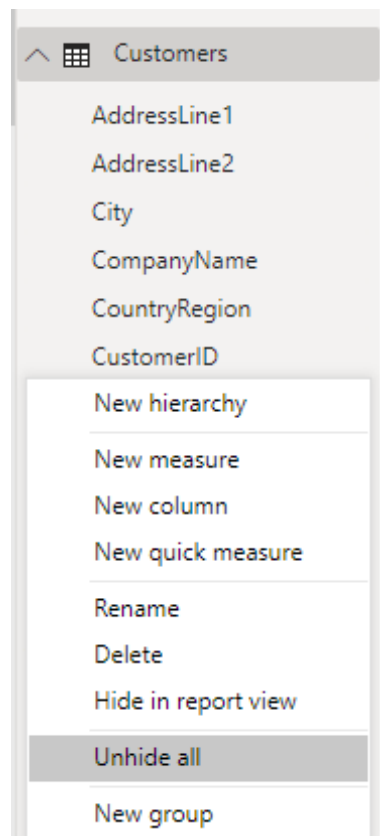
- Eliminando la columna NameStyle de Customers



- Eliminando la columna SalesPerson de Customers



- Ocultando en la vista del reporte CustomerID



- Categorizando por direccion la columna AddressLine1

Home Table: ▾		
Data Category: Address ▾		
Default Summarization: Don't summarize ▾		
Properties		
▾	AddressLine1 ▾	AddressL
	Blue Ridge Mall	
	6500 East Grant Road	
	Eastridge Mall	
	White Mountain Mall	
	2551 East Warner Road	
	First Colony Mall	
	Rocky Mountain Pines Outlet	
	Belz Factory Outlet	
	Fox Hills	
	2345 North Freeway	
	70 N.W. Plaza	
	2533 Eureka Rd.	

- Categorizando por ciudad la columna City

Data type: Text ▼	Home Table: ▼
Format: Text ▼	Data Category: City ▼
\$ ▼ % , .00 Auto ▼	Default Summarization: Don't summarize ▼
Formatting	Properties

▼ AddressLine2 ▼	City ▼	StateProvince ▼	CountryRegion ▼
	Kansas City	Missouri	United States
	Tucson	Arizona	United States
	Casper	Wyoming	United States
	Rock Springs	Wyoming	United States
	Gilbert	Arizona	United States
	Sugar Land	Texas	United States
t	Loveland	Colorado	United States
	Las Vegas	Nevada	United States
	Culver City	California	United States

- Categorizando por estado o Provincia la columna StateProvince

Home Table: ▼
Data Category: State or Province ▼
Default Summarization: Don't summarize ▼
Properties

City ▼	StateProvince ▼	CountryRegion ▼
Kansas City	Missouri	United States
Tucson	Arizona	United States
Casper	Wyoming	United States
Rock Springs	Wyoming	United States
Gilbert	Arizona	United States
Sugar Land	Texas	United States
Loveland	Colorado	United States
Las Vegas	Nevada	United States
Culver City	California	United States

- Categorizando por pais/region la columna CountryRegion

Home Table: ▾		
Data Category: Country/Region ▾		
Default Summarization: Don't summarize ▾		
Properties		
Province ▾	CountryRegion ▾	PostalCode ▾
ri	United States	64106
	United States	85701
ing	United States	82601
ing	United States	82901
	United States	85233
	United States	77478
o	United States	80537
	United States	89106
ia	United States	90232
	United States	77003
ri	United States	63074

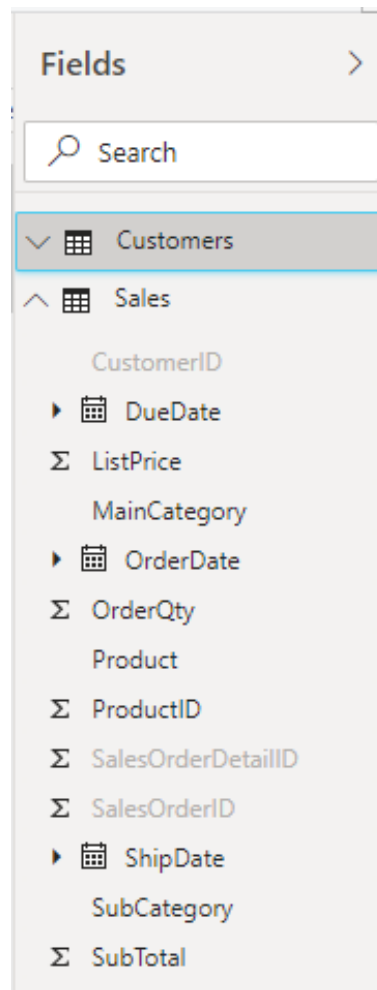
- Categorizando por código postal la columna PostalCode

Home Table: ▾		
Data Category: Postal Code ▾		
Default Summarization: Don't summarize ▾		
Properties		
Province ▾	CountryRegion ▾	PostalCode ▾
i	United States	64106
	United States	85701
ig	United States	82601
ig	United States	82901
	United States	85233
	United States	77478
o	United States	80537
	United States	89106
ia	United States	90232
	United States	77003

- Creando una cadena de texto para que se muestre la direccion completa

Archivo Home Modeling Help				
Manage Relationships	New Measure	New Column	New Table	New Parameter
Relationships	Calculations	What If	Sort by Column	Sort
Data type: Text ▾ Format: Text ▾ \$ % + Auto ▾ Formatting				
Home Table: ▾ Data Category: Uncategorized ▾ Default Summarization: Don't summarize ▾ Properties				
1 FullAddress = Customers[AddressLine1] & ", " & Customers[City] & ", " & 2 Customers[StateProvince] & ", " & Customers[CountryRegion] & ", " & 3 Customers[PostalCode]				
City ▾	StateProvince ▾	CountryRegion ▾	PostalCode ▾	FullAddress
Kansas City	Missouri	United States	64106	Blue Ridge Mall, Kansas City, Missouri, United States, 64106
Tucson	Arizona	United States	85701	6500 East Grant Road, Tucson, Arizona, United States, 85701
Casper	Wyoming	United States	82601	Eastridge Mall, Casper, Wyoming, United States, 82601
Rock Springs	Wyoming	United States	82901	White Mountain Mall, Rock Springs, Wyoming, United States, 82901
Gilbert	Arizona	United States	85233	2551 East Warner Road, Gilbert, Arizona, United States, 85233
Sugar Land	Texas	United States	77478	First Colony Mall, Sugar Land, Texas, United States, 77478

- Ocultando en la vista del reporte CustomerID de la Sales



– Mostrando la multiplicacion de $\text{Sales}[\text{OrderQty}] * \text{Sales}[\text{ListPrice}]$

Archivo Home Modeling Help

Manage Relationships | New Measure | New Column | New Table | New Parameter | Sort by Column | What If | Sort | Data type: Decimal Number | Format: General | Home Table: | Data Category: Uncategorized | Default Summarization: Sum | Manage Roles | Security

1 LineTotal = Sales[OrderQty] * Sales[ListPrice]

Product	OrderQty	ListPrice	OrderDate	DueDate	ShipDate	SubTotal	LineTotal
me-W - Yellow, 48	1	594,83	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	880,3484	594,83
me-W - Yellow, 38	1	594,83	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	880,3484	594,83
me-W - Yellow, 38	1	106,5	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	78,81	106,5
me-W - Yellow, 38	1	539,99	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	539,99
me-W - Yellow, 38	1	249,79	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	249,79
me-W - Yellow, 38	1	1349,6	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	1349,6

– Mostrando la multiplicacion la suma de 'Sales'[LineTotal] y multiplicandola por 1.2

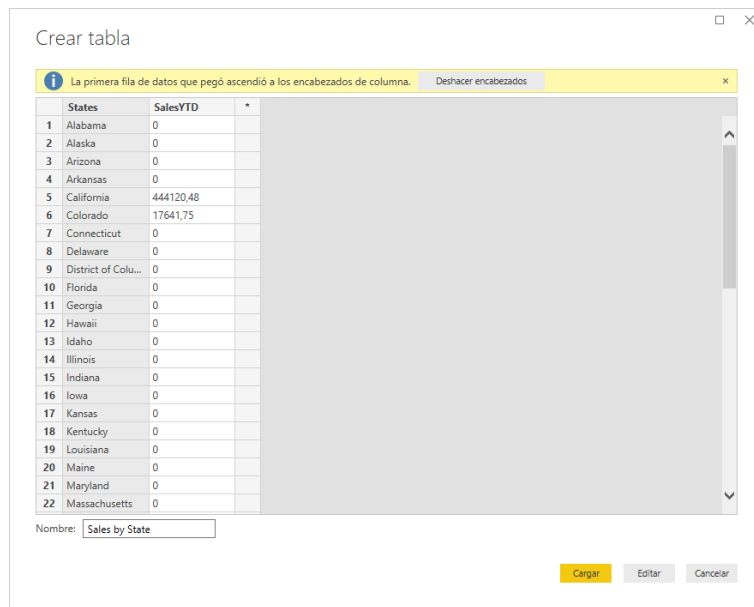
Archivo Home Modeling Help

Manage Relationships | New Measure | New Column | New Table | New Parameter | Sort by Column | What If | Sort | Data type: Decimal Number | Format: General | Home Table: Sales | Data Category: Uncategorized | Default Summarization: Don't summarize

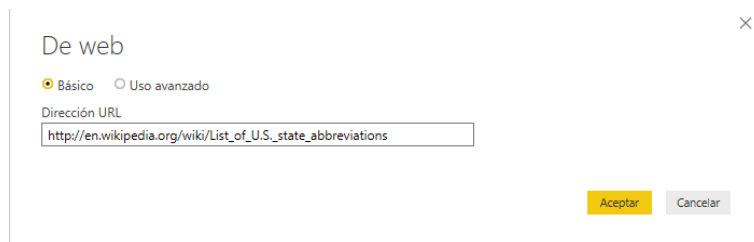
1 TargetSales = SUM('Sales'[LineTotal]) * 1,2

Product	OrderQty	ListPrice	OrderDate	DueDate	ShipDate	SubTotal	LineTotal
me-W - Yellow, 48	1	594,83	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	880,3484	\$594,83
me-W - Yellow, 38	1	594,83	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	880,3484	\$594,83
me-W - Yellow, 38	1	106,5	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	78,81	\$106,50
me-W - Yellow, 38	1	539,99	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	\$539,99
me-W - Yellow, 38	1	249,79	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	\$249,79
me-W - Yellow, 38	1	1349,6	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	\$1.349,60
me-W - Yellow, 38	1	80,99	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	\$80,99
me-W - Yellow, 38	1	564,99	01/06/2008 0:00:00	13/06/2008 0:00:00	08/06/2008 0:00:00	38418,6895	\$564,99

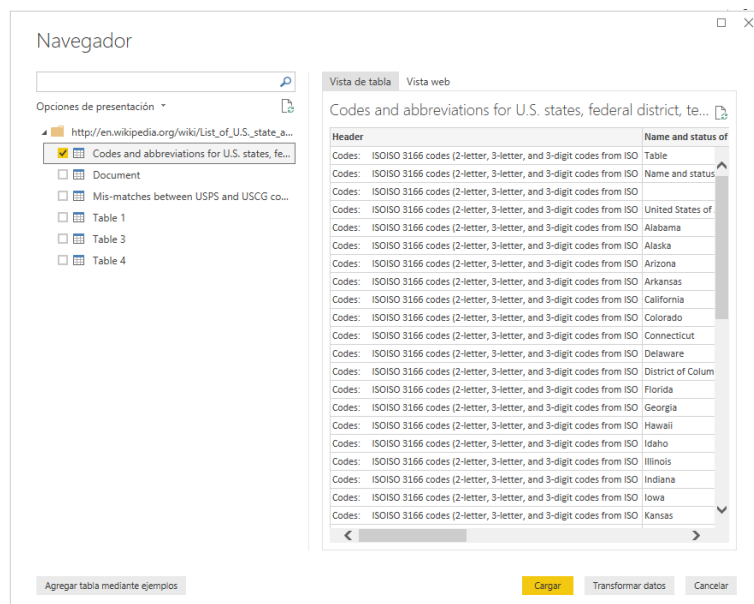
- Copiando la tabla de States.xlsx a Power Bi y guardandola con el nombre de Sales by State



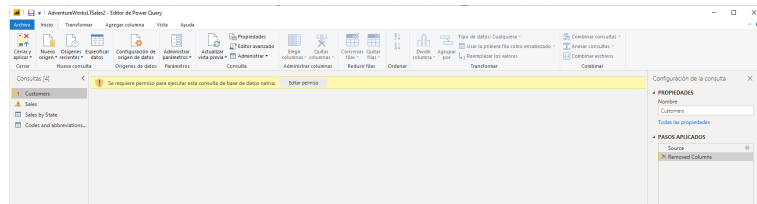
- Obteniendo datos de una web



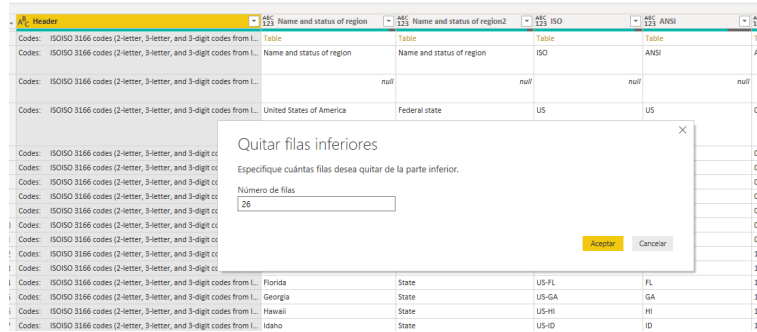
- En el Navegador seleccionamos Codes and abbreviations for U.S. states, territories and other regions para mostrar los datos



- Seleccionamos Editar consulta



- Quitamos 26 filas de Codes and abbreviations for U.S. states, territories and other regions



- Combinamos States de Sales by State con State Name de States with Codes

