

New relationship

Select tables and columns that are related.

From table

Customer Lookup

AnnualIncome	BirthDate	CustomerKey	Domain Name	EducationLevel	EmailAddress	FirstName
40000	22 April 1973	11479	darryl6@adve...	Bachelors	darryl6@adve...	DARRYL
40000	22 May 1972	11483	calvin13@adv...	Bachelors	calvin13@adv...	CALVIN
40000	22 November...	11584	devin33@adv...	Bachelors	devin33@adv...	DEVIN

To table

Sales Data

CustomerKey	OrderDate	OrderLineItem	OrderNumber	OrderQuantity	ProductKey	SourceNa
13622	03 January 20...	1	SO48819	1	352	Adventu
13960	13 January 20...	1	SO48901	1	352	Adventu
13953	14 January 20...	1	SO48909	1	352	Adventu

Cardinality

Many to many (*:*)

Cross-filter direction

Both

☒ Make this relationship active

☐ Apply security filter in both directions

☐ Assume referential integrity

Save

Cancel

The screenshot displays the Microsoft Power BI Desktop interface. The 'New relationship' dialog box is open, showing the configuration for a new relationship between the 'Customer Lookup' table (From table) and the 'Sales Data' table (To table). The cardinality is set to 'Many to many (*:*)' and the cross-filter direction is 'Both'. The 'Make this relationship active' checkbox is checked. The main workspace shows a data model with several tables: 'Product Lookup', 'Customer Lookup', 'Calendar Lookup', 'Returns Data', and 'Sales Data'. The 'Sales Data' table is highlighted, and its columns are visible in the 'To table' section of the dialog. The 'Properties' pane on the right shows the 'Tables' tab with a list of tables in the model.

File Home Help

Clipboard Get data SQL Server Data

Product Lookup

- ProductDescription
- ProductKey
- ProductName
- ProductPrice
- ProductSize

All tables +

New relationship

Select tables and columns that are related.

From table: Calendar Lookup

Date	Month	Month Name	Start of Year	Year
01 January 20...	1	January	01 January 20...	2020
02 January 20...	1	January	01 January 20...	2020
03 January 20...	1	January	01 January 20...	2020

To table: Sales Data

CustomerKey	OrderDate	OrderLineItem	OrderNumber	OrderQuantity	ProductKey	SourceName
13622	03 January 20...	1	SO48819	1	352	Adventureworks
13960	13 January 20...	1	SO48901	1	352	Adventureworks
13953	14 January 20...	1	SO48909	1	352	Adventureworks

Cardinality: One to many (1:*)

Cross-filter direction: Single

☒ Make this relationship active

☐ Assume referential integrity

Save Cancel

Sign in

Share

Data

Tables Model

Search

- Calendar Lookup
- Customer Lookup
- Product Categories Lookup
 - CategoryName
 - ProductCategoryKey
- Product Lookup
- Product Subcategories Lookup
- Query1
- Returns Data
- Sales Data
- Territory Lookup

File Home Help

Clipboard Get data SQL Server Data

Product Lookup

- ProductCost
- ProductDescription
- ProductKey
- ProductName
- ProductPrice

All tables +

New relationship

Select tables and columns that are related.

From table: Product Lookup

ModelName	ProductColor	ProductCost	ProductDescription	ProductKey	ProductName	ProductPrice
Road-150	Red	2171.2942	This bike is ri...	310	Road-150 Re...	3578.27
Road-150	Red	2171.2942	This bike is ri...	311	Road-150 Re...	3578.27
Road-150	Red	2171.2942	This bike is ri...	312	Road-150 Re...	3578.27

To table: Sales Data

CustomerKey	OrderDate	OrderLineItem	OrderNumber	OrderQuantity	ProductKey	SourceName
13622	03 January 20...	1	SO48819	1	352	Adventureworks
13960	13 January 20...	1	SO48901	1	352	Adventureworks
13953	14 January 20...	1	SO48909	1	352	Adventureworks

Cardinality: One to many (1:*)

Cross-filter direction: Single

☒ Make this relationship active

☐ Assume referential integrity

Save Cancel

Sign in

Share

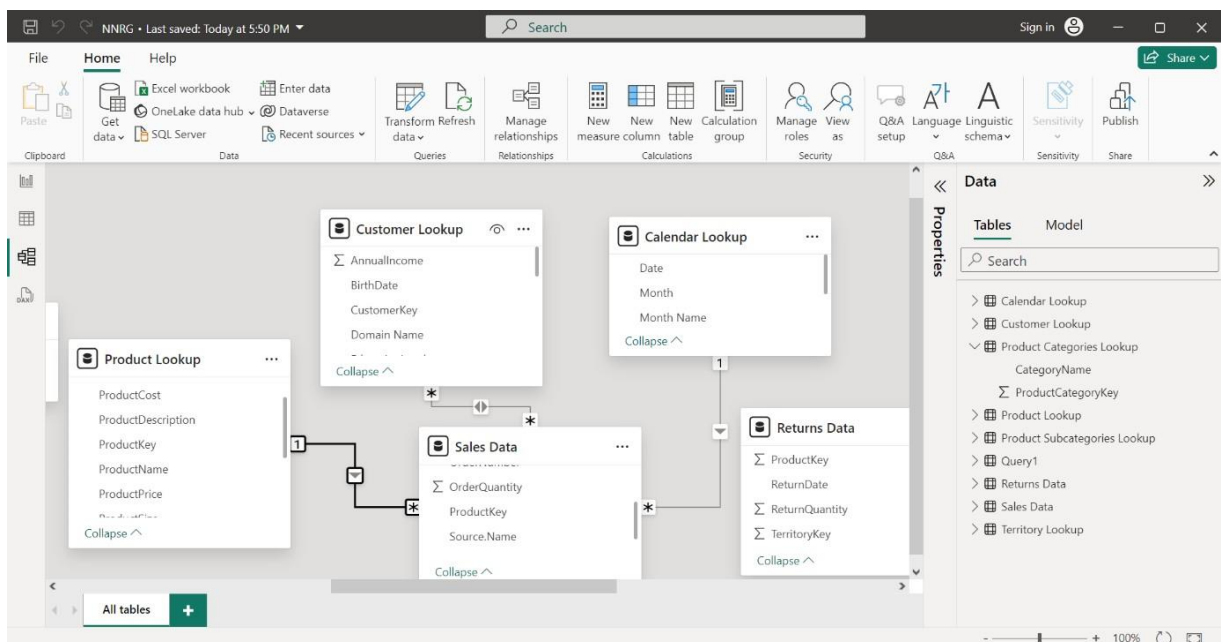
Data

Tables Model

Search

- Calendar Lookup
- Customer Lookup
- Product Categories Lookup
 - CategoryName
 - ProductCategoryKey
- Product Lookup
- Product Subcategories Lookup
- Query1
- Returns Data
- Sales Data
- Territory Lookup

9 new notifications



File Home Help

Clipboard Get data SQL Server Data

Product Lookup

- ProductCost
- ProductDescription
- ProductKey
- ProductName
- ProductPrice

All tables +

New relationship

Select tables and columns that are related.

From table: Sales Data

OrderNumber	OrderQuantity	ProductKey	SourceName	StockDate	TerritoryKey
SO48819	1	352	AdventureWo...	06 September...	9
SO48901	1	352	AdventureWo...	19 September...	9
SO48909	1	352	AdventureWo...	22 September...	9

To table: Returns Data

ProductKey	ReturnDate	ReturnQuantity	TerritoryKey
477	03 July 2021	1	9
477	11 July 2021	1	4
477	22 July 2021	1	1

Cardinality: Many to many (*)

Cross-filter direction: Both

☒ Make this relationship active

☐ Assume referential integrity

☐ Apply security filter in both directions

Save Cancel

Sign in

Share

Data

Tables Model

Search

- Calendar Lookup
- Customer Lookup
- Product Categories Lookup
 - CategoryName
 - ProductCategoryKey
- Product Lookup
- Product Subcategories Lookup
- Query1
- Returns Data
- Sales Data
- Territory Lookup

File Home Help

Clipboard Get data SQL Server Data

Enter data Recent sources

Transform Refresh data

Manage relationships

New measure column

New table

New calculation group

Manage roles

View as

Q&A setup

Language

Linguistic schema

Sensitivity

Publish

Search

Sign in

Share

Product Lookup

- ProductCost
- ProductDescription
- ProductKey
- ProductName
- ProductPrice

All tables +

Customer Lookup

- AnnualIncome
- BirthDate
- CustomerKey
- Domain Name

Calendar Lookup

- Date
- Month
- Month Name

Sales Data

- ProductKey
- SourceName
- StockDate
- TerritoryKey

Returns Data

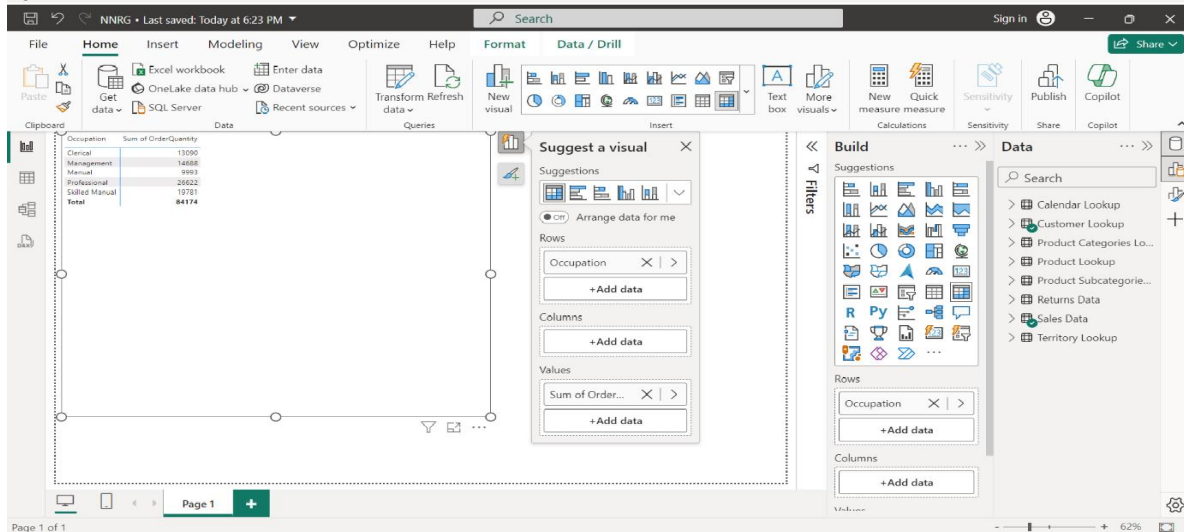
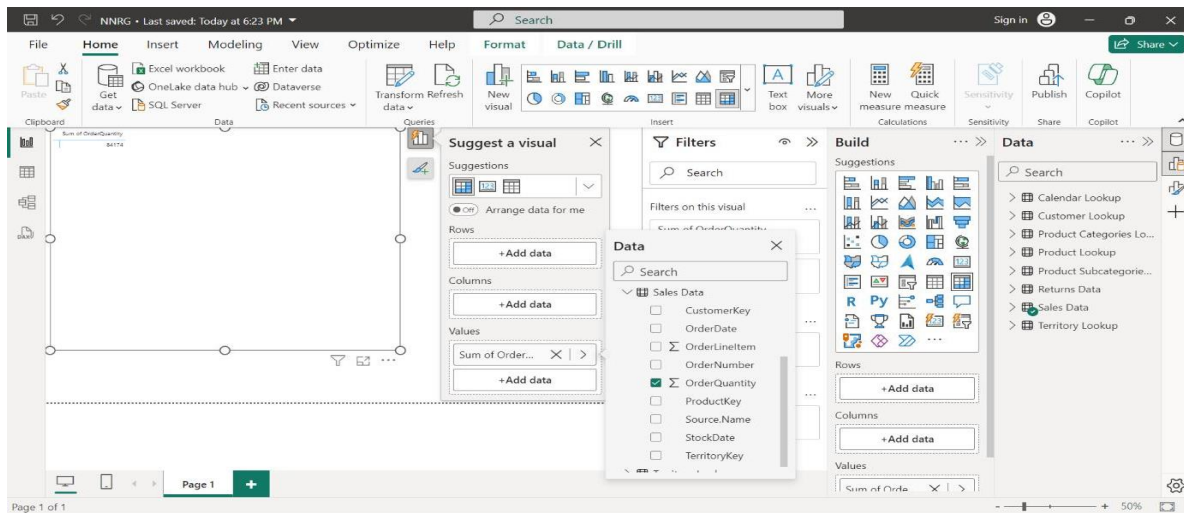
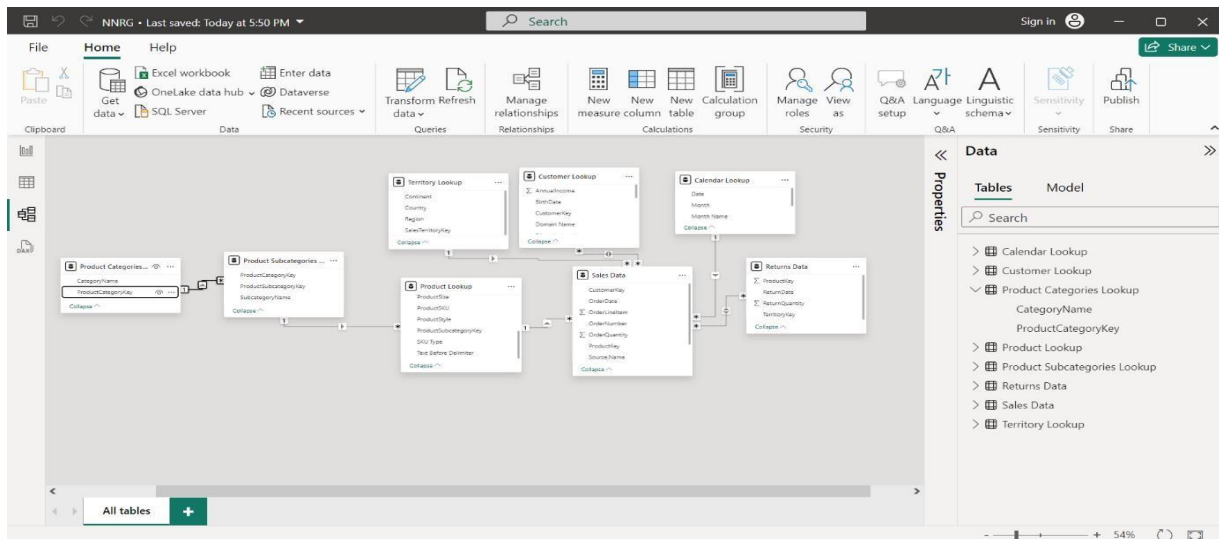
- ProductKey
- ReturnDate
- ReturnQuantity
- TerritoryKey

Properties

Tables Model

Search

- Calendar Lookup
- Customer Lookup
- Product Categories Lookup
 - CategoryName
 - ProductCategoryKey
- Product Lookup
- Product Subcategories Lookup
- Query1
- Returns Data
- Sales Data
- Territory Lookup



Power BI Desktop interface showing the 'Home' tab and the 'Data' pane. The main canvas displays a table with the following data:

Start of Year	Sum of OrderQuantity
01 January 2020	2630
01 January 2021	36230
01 January 2022	45114
Total	84174

The 'Data' pane on the right shows a search bar and a list of data sources, including 'Calendar Lookup', 'Customer Lookup', 'Product Categories L...', 'Product Lookup', 'Product Subcategori...', 'Returns Data', 'Sales Data', and 'Territory L...'. The 'Build' pane on the left shows a list of visualizations and a '+Add data' button.

Power BI Desktop interface showing the 'Table tools' and 'Column tools' tabs. The main canvas displays a table with the following data:

Children	EducationLevel	Occupation	HomeOwner	Domain Name	Text After Delimiter	Text Before Delimiter	Income level
7	Bachelors	Skilled Manual	Y	darryl6@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	calvin13@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	devin33@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	alberto10@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	roger41@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	dwayne9@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	thomas71@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	theodore3@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	xavier87@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	johnny9@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	eduardo65@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	arthur35@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	dalton13@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	preston18@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	marc12@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	roberto18@adventure-works.com	adventure-works.com	adventure works	Low
7	Bachelors	Skilled Manual	Y	evan43@adventure-works.com	adventure-works.com	adventure works	Low

The 'Table: Customer Lookup (18,154 rows) Column: Income level (4 distinct values)' is displayed at the bottom. The 'Data' pane on the right shows a search bar and a list of data sources, including 'Calendar Lookup', 'Customer Lookup', 'AnnualIncome', 'BirthDate', 'CustomerKey', 'Domain Name', 'EducationLevel', 'EmailAddress', 'FirstName', 'Gender', 'HomeOwner', 'Income level', 'LastName', 'MaritalStatus', 'Occupation', 'Prefix', and 'Text After Delimiter'.