

◀ Takaisin välilehdelle

✓ Tehty: Käy oppitunti läpi loppuun asti

Tasks

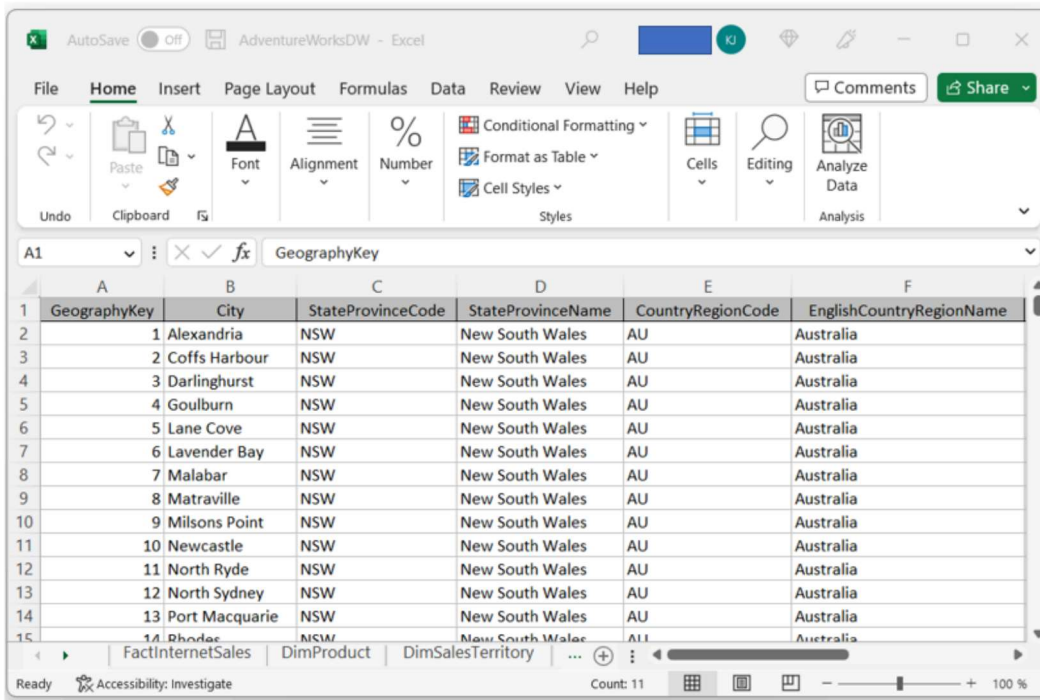
Prerequisites

Step 1: Create a work directory on your own workstation, and name it e.g.: C:\PBExams.

Step 2: Click [link](#) to download the file called **AdventureWorksDW.xlsx**, and save it to C:\PBExams.

Task 1 - Open Excel workbook

Excel is definitely the most popular application in the world. Open Excel, and open the **AdventureWorksDW.xlsx** workbook:



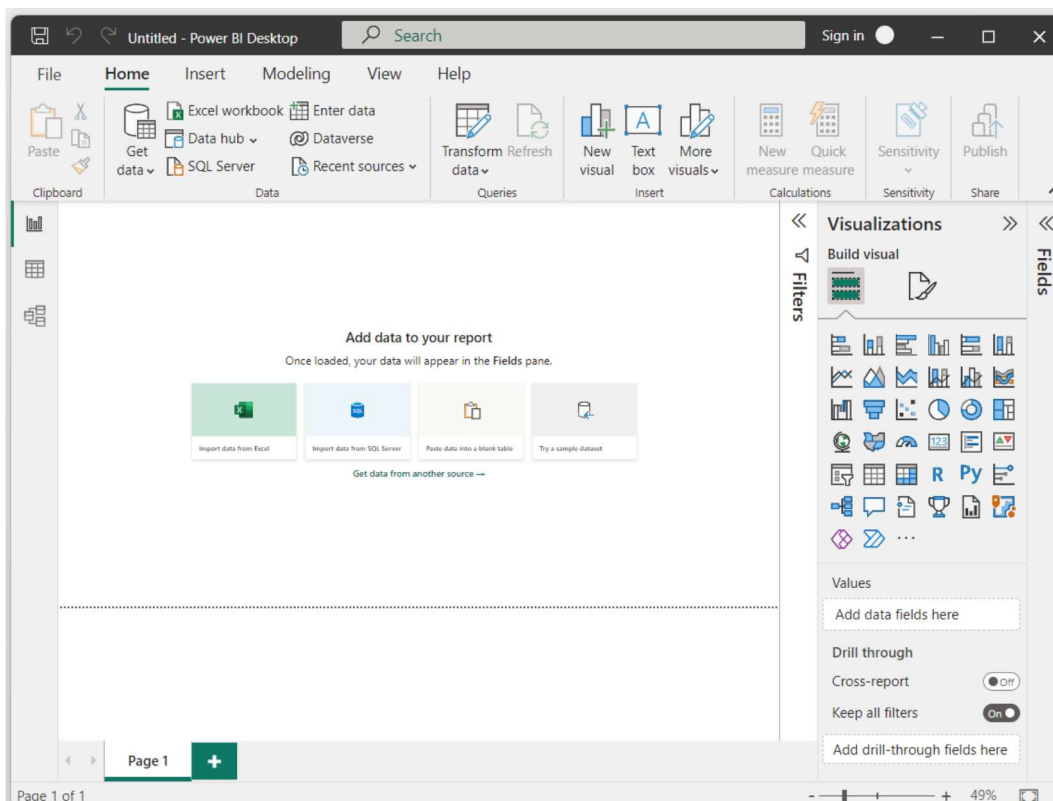
	A	B	C	D	E	F
	GeographyKey	City	StateProvinceCode	StateProvinceName	CountryRegionCode	EnglishCountryRegionName
1						
2	1	Alexandria	NSW	New South Wales	AU	Australia
3	2	Coffs Harbour	NSW	New South Wales	AU	Australia
4	3	Darlinghurst	NSW	New South Wales	AU	Australia
5	4	Goulburn	NSW	New South Wales	AU	Australia
6	5	Lane Cove	NSW	New South Wales	AU	Australia
7	6	Lavender Bay	NSW	New South Wales	AU	Australia
8	7	Malabar	NSW	New South Wales	AU	Australia
9	8	Matraville	NSW	New South Wales	AU	Australia
10	9	Milsons Point	NSW	New South Wales	AU	Australia
11	10	Newcastle	NSW	New South Wales	AU	Australia
12	11	North Ryde	NSW	New South Wales	AU	Australia
13	12	North Sydney	NSW	New South Wales	AU	Australia
14	13	Port Macquarie	NSW	New South Wales	AU	Australia
15	14	Rhodes	NSW	New South Wales	AU	Australia

1. Browse different tabs.
2. Close Excel.

Task 2 - Using Excel as a source

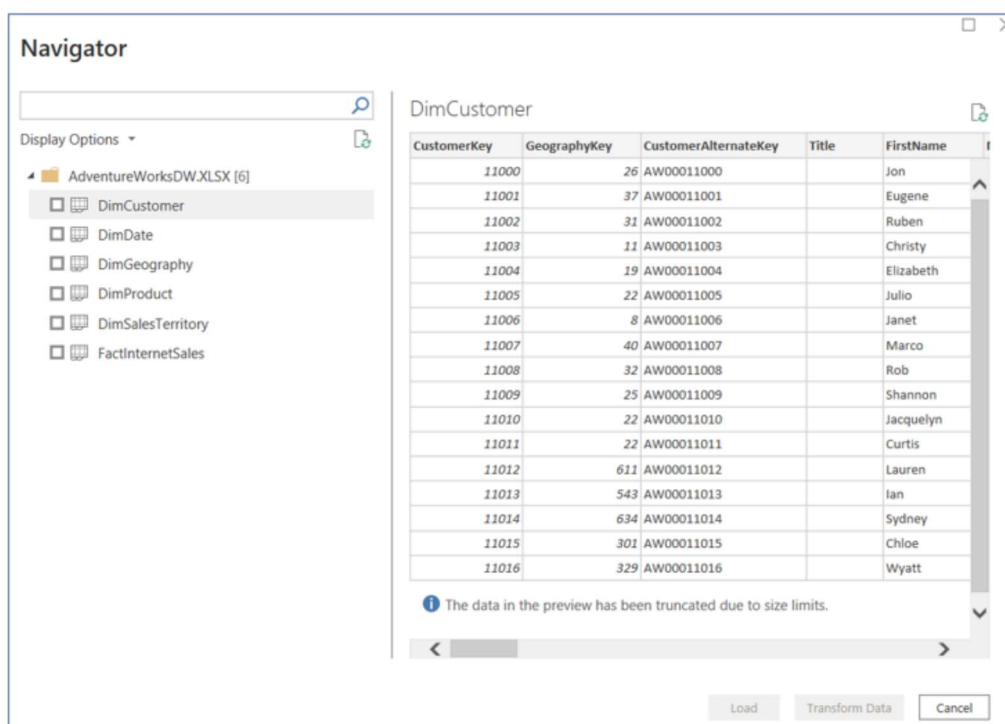
You will use the same Excel workbook as a data source as follows:

Step 1: Open **Power BI Desktop** and close the start-up screen if it automatically appears.



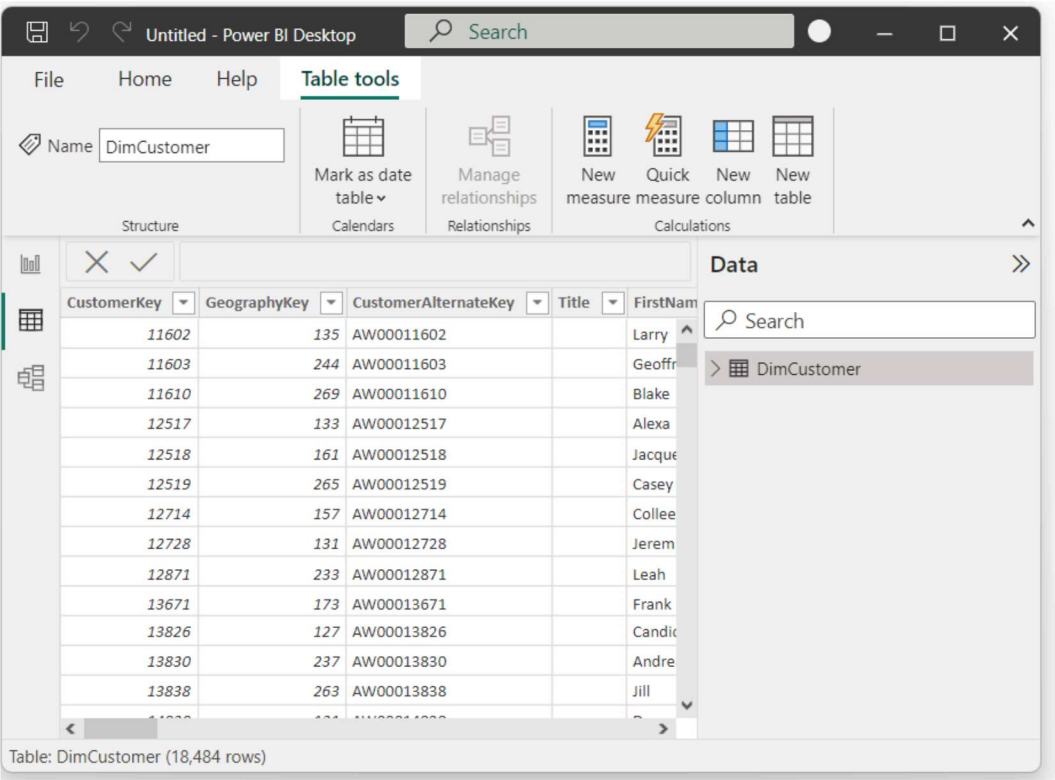
Step 2: Under the **Home** ribbon, you will find the **Get data** button. Selecting the down arrow next to the button will show you the most common data connectors, but selecting the center of the button will launch the full list of all available connectors. Regardless of which way you select the button, you will find **Excel** workbook at the top of both lists. Select **Excel**.

Step 3: Navigate to **C:\PBEExams**, and open **AdventureWorksDW.xlsx**. This will launch the **Navigator** dialog, shown in the following screenshot, which is used for selecting the objects in the Excel workbook you wish to take data from:



In this example, you can see six separate spreadsheets you can choose from. Clicking once on the **spreadsheet name** will give you a preview of the data it stores, while clicking the checkbox next to the name will include it as part of the data import. For this example, select the checkboxes next to all of the available objects, then notice the options available at the bottom right.

Step 4: Click **DimCustomer**, and select **Load** to take the data from the selected spreadsheet and import as separate tables into Power BI data model.



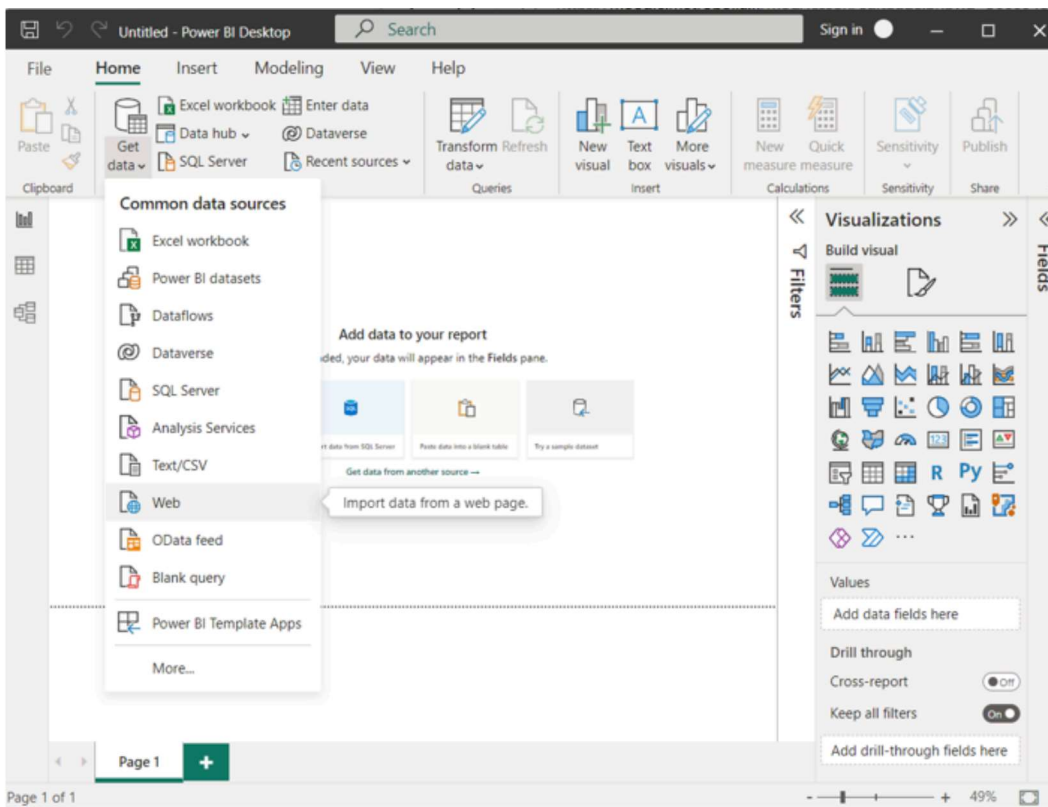
Choosing **Transform Data** will launch an entirely new window called the **Power Query Editor**, which allows you to apply data cleansing business rules or transforms to your data prior to importing it. You will learn much more about the Power Query Editor in *Lesson 3*.

Step 4: Since you will learn more about this later, simply select **Load** to end this example.

Task 3 - Using Web as a source

For this task, imagine you are working for a major automobile manufacturer in the United States. You have already designed a Power BI solution using data internally available within your organization that shows historical patterns in sales trends. However, you would like to determine whether there are any correlations between periods of historically higher fuel prices and lower automobile sales. Fortunately, you found that the United States Department of Labor publicly posts the historical average consumer prices of many commonly purchased items, including fuel prices.

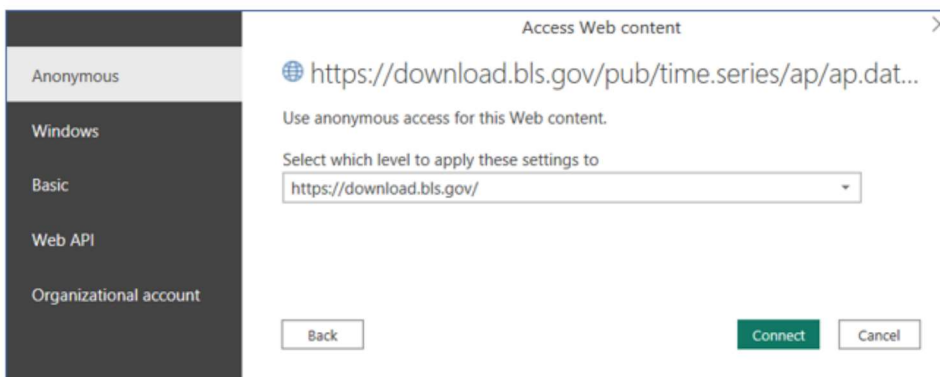
Step 1: In Power BI Desktop, select the **Get data** button and choose **Web** as your source.



Step 2: You will be prompted to provide the URL where the data can be found. Type the link: <https://download.bls.gov/pub/time.series/ap/ap.data.2.Gasoline>, and click **OK**.



Since this data source does not require a login to find the data, you can simply select **Anonymous** access, which is the default, and then click **Connect**.



Notice on the next screen that **Power BI Desktop** recognizes the URL you provided as a tab-delimited file. This can now easily be added to any existing data model you have designed by selecting **Load**:

https://download.bls.gov/pub/time.series/ap/ap.data.2.Gasoline

File Origin: 1252: Western European (Windows) | Delimiter: Tab | Data Type Detection: Based on first 200 rows

series_id	year	period	value	footnote_codes
APU000074712	1973	M10	0.402	
APU000074712	1973	M11	0.418	
APU000074712	1973	M12	0.437	
APU000074712	1974	M01	0.465	
APU000074712	1974	M02	0.491	
APU000074712	1974	M03	0.528	
APU000074712	1974	M04	0.537	
APU000074712	1974	M05	0.550	
APU000074712	1974	M06	0.556	
APU000074712	1974	M07	0.558	
APU000074712	1974	M08	0.554	
APU000074712	1974	M09	0.550	
APU000074712	1974	M10	0.534	
APU000074712	1974	M11	0.528	
APU000074712	1974	M12	0.528	
APU000074712	1975	M01	0.532	
APU000074712	1975	M02	0.533	
APU000074712	1975	M03	0.534	
APU000074712	1975	M04	0.540	
APU000074712	1975	M05	0.550	

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

Extract Table Using Examples | Load | Transform Data | Cancel

The table is loaded in Power BI Desktop:

Untitled - Power BI Desktop | Search

File | Home | Help | Table tools

Paste | Get data | Data | Queries | Manage relationships | Relationships | New measure | Calculations | Security | Sensitivity | Publish | Share

series_id	year	period	value	footnote_codes
APU000074714	2022	M01	3.413	
APU000074715	2022	M01	3.721	
APU000074716	2022	M01	4.102	
APU000074717	2022	M01	3.675	
APU00007471A	2022	M01	3.500	
APU010074714	2022	M01	3.447	
APU010074715	2022	M01	3.762	
APU010074716	2022	M01	3.985	
APU010074717	2022	M01	3.704	
APU01007471A	2022	M01	3.516	
APU011074714	2022	M01	3.382	
APU011074715	2022	M01	3.693	
APU011074716	2022	M01	3.911	

Table: ap data 2 (90,238 rows)

End-of-Exercise

Olet suorittanut 100 % oppitunnista

100%

◀ Power BI Desktop

Siirry...

Lesson 2 Quiz ▶

Olet kirjautunut nimellä Janne Bragge. (Kirjaudu ulos)

PowerBI

Suomi (fi)

Deutsch (de)

English (en)

Français (fr)

Suomi (fi)

Svenska (sv)

Hanki mobiilisovellus

