

# **MICROSOFT POWER-BI**

**SERIES 2**

## **IMPORTING DATASETS**

**- MAYURI .D.**

A thick yellow bar with a diagonal cut, extending from the top-left corner towards the bottom-left.

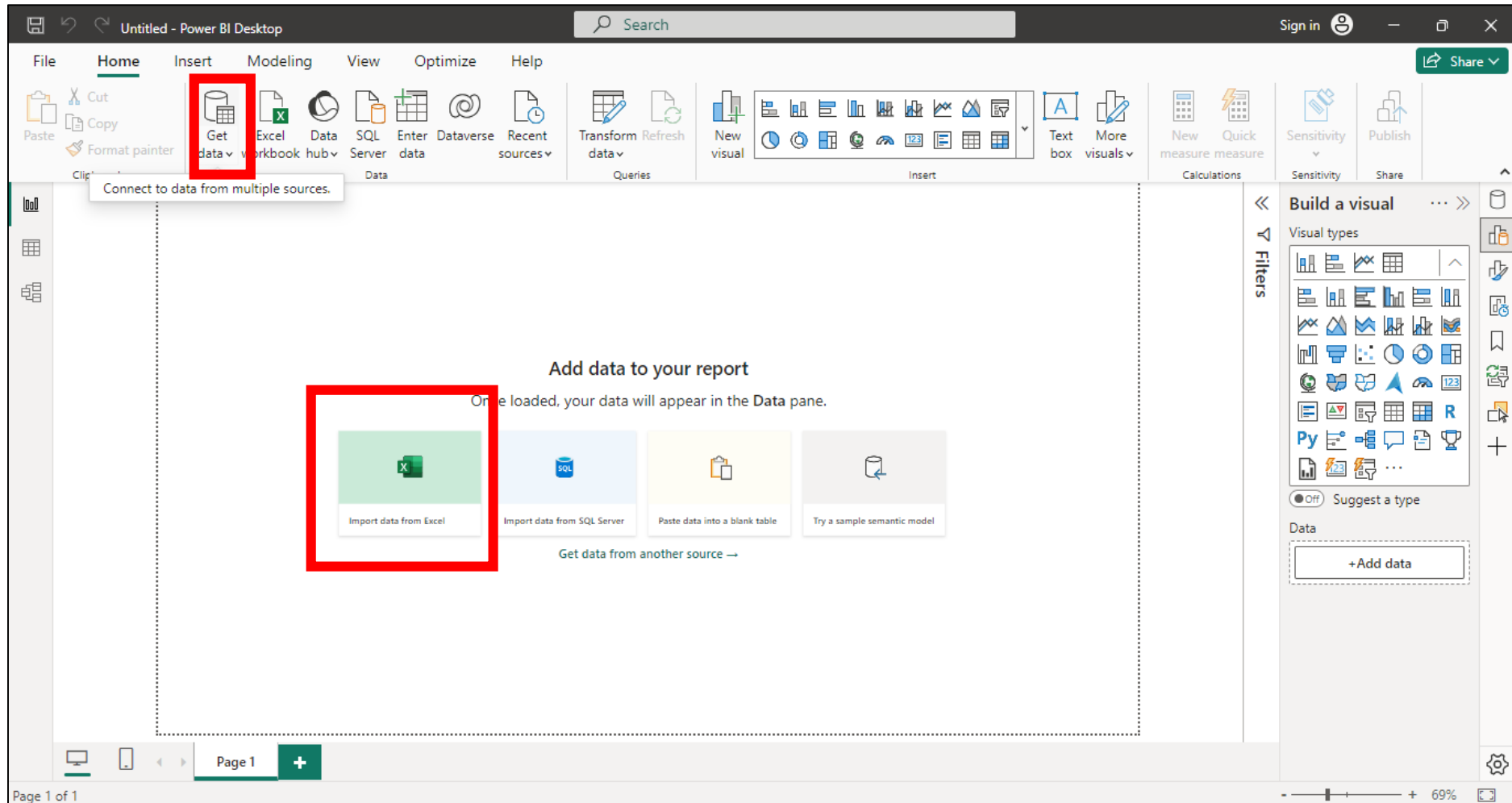
Power BI can connect to a whole range of data sources from Excel sheets and local databases to several Cloud services.

Currently, over 60 different cloud services have specific connectors to help you connect with generic sources through XML, CSV, text, and ODBC.

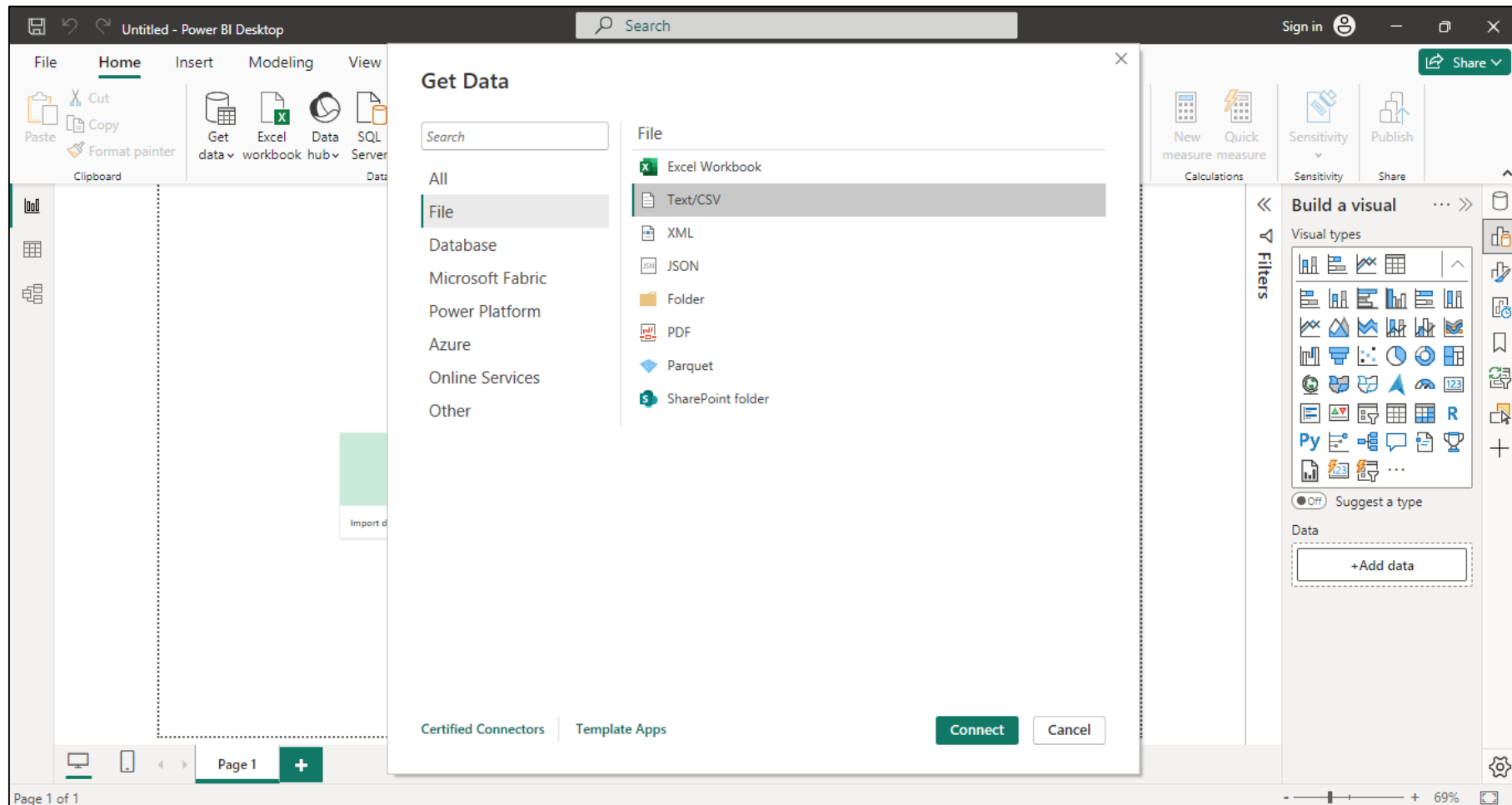
A yellow circular shape, partially visible in the bottom-right corner of the slide.

# IMPORTING DATA IN POWER-BI – CSV TO POWER-BI

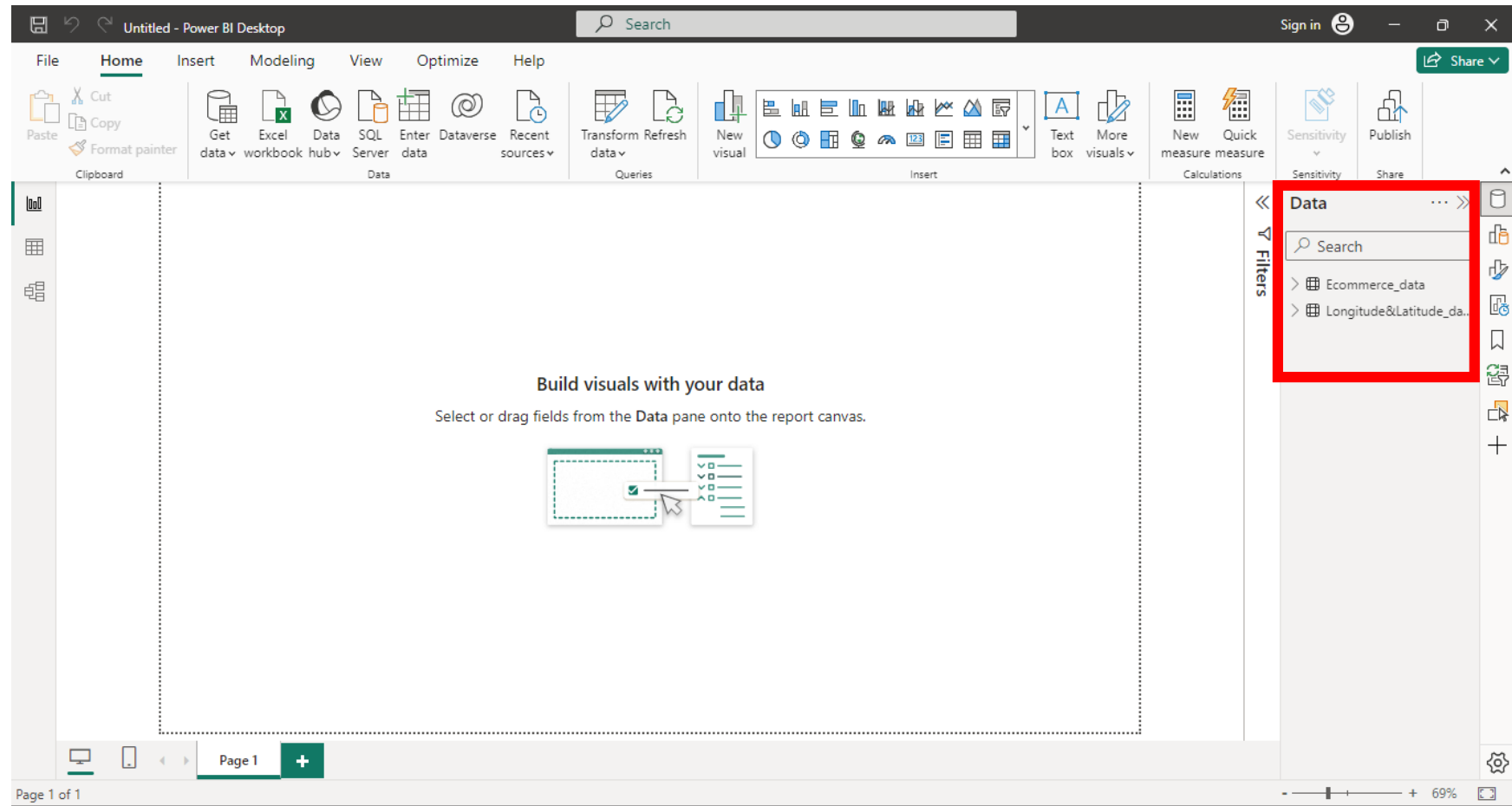
As your first step is to import the dataset/file into Power BI, click on the “Get Data” icon on the ribbon of Home tab or on canvas “Import data from excel”.



Once you select it, go ahead and select the CSV option under the file subheading. Then browse the file and select the necessary CSV file. Press on Connect to have a quick preview of the file. Once we click on Load, Power BI will successfully import the file.



When you click on Load, file gets loaded in Power-BI



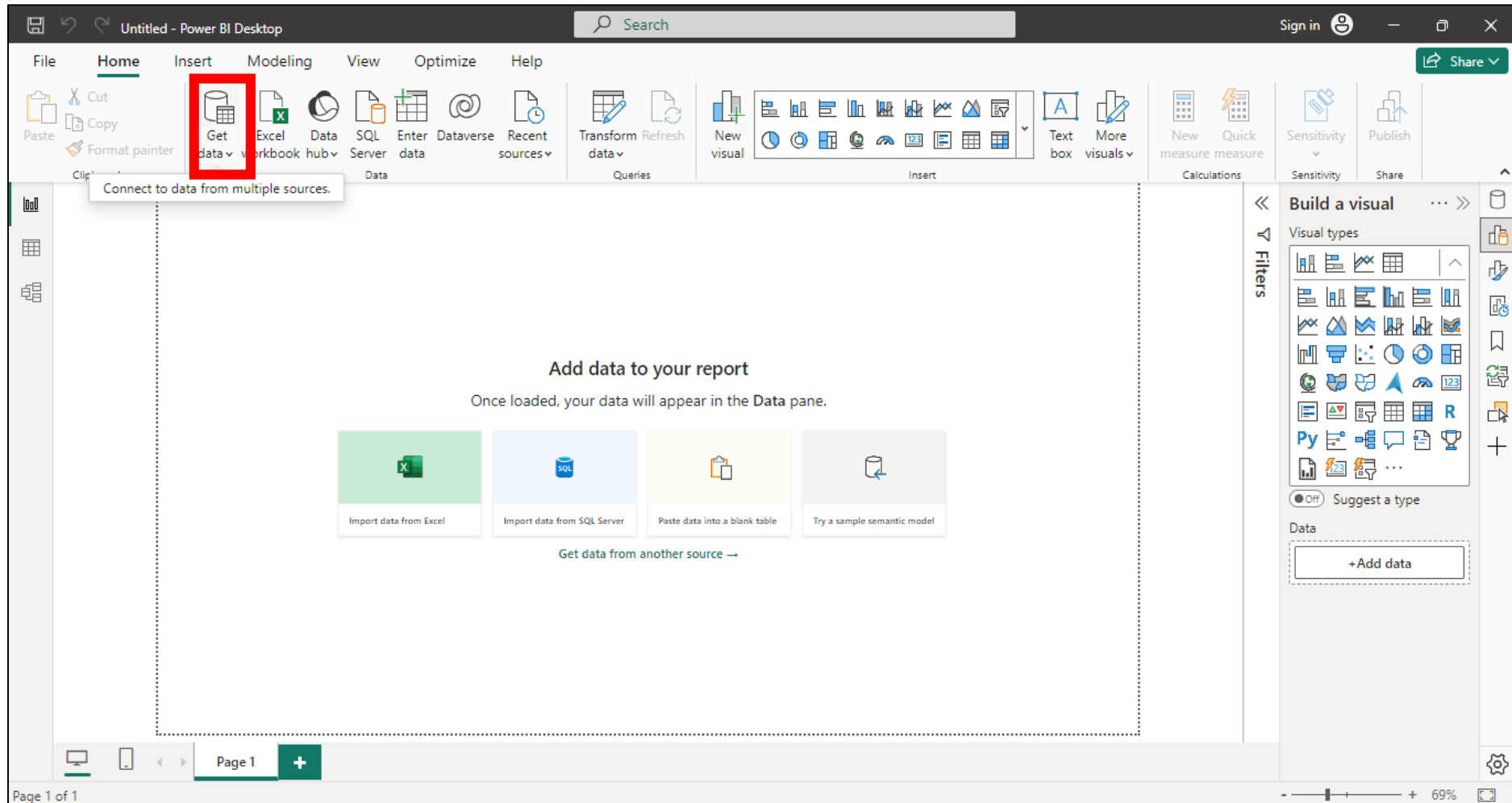
When you click on Transform Data, file gets loaded in Power Query Editor for data modelling purpose.

The screenshot displays the Power Query Editor window titled "Untitled - Power Query Editor". The ribbon is set to the "Transform" tab, which includes various options for data manipulation such as "Merge Queries", "Append Queries", "Combine Files", "Text Analytics", "Vision", and "Azure Machine Learning". The main area shows a data table with 4 columns and 52 rows. The columns are "state", "latitude", "longitude", and "name". Each column has a data type dropdown and a "Valid" status indicator. The "state" column is of type "Text" and has 52 distinct values. The "latitude" column is of type "Text" and has 52 distinct values. The "longitude" column is of type "Text" and has 45 distinct values. The "name" column is of type "Text" and has 52 distinct values. The "Applied Steps" pane on the right shows the following steps: "Source", "Promoted Headers", and "Changed Type". The "Changed Type" step is currently selected. The status bar at the bottom indicates "4 COLUMNS, 52 ROWS" and "Column profiling based on top 1000 rows".

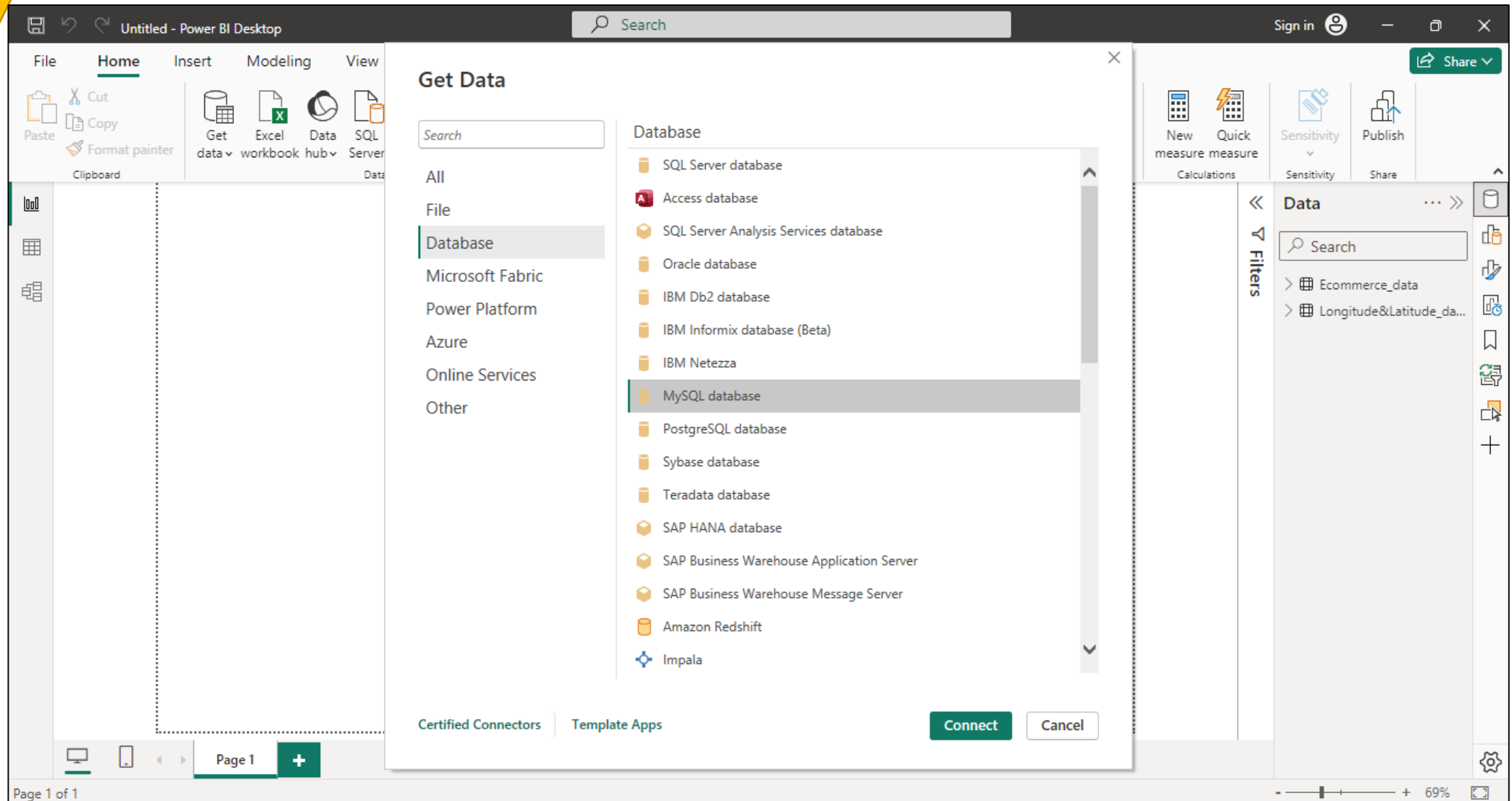
	state	latitude	longitude	name
1	AK	63.588753	-154.493062	Alaska
2	AL	32.318231	-86.902298	Alabama
3	AR	35.20105	-91.831833	Arkansas
4	AZ	34.048928	-111.093731	Arizona
5	CA	36.778261	-119.417932	California
6	CO	39.550051	-105.782067	Colorado
7	CT	41.603221	-73.087749	Connecticut
8	DC	38.905985	-77.033418	District of Columbia
9	DE	38.910832	-75.52767	Delaware
10	FL	27.664827	-81.515754	Florida
11	GA	32.157435	-82.907123	Georgia
12	HI	19.898682	-155.665857	Hawaii
13	IA	41.878003	-93.097702	Iowa
14	ID	44.068202	-114.742041	Idaho
15	IL	40.633125	-89.398528	Illinois
16	IN	40.551217	-85.602364	Indiana
17	KS	39.011902	-98.484246	Kansas

# IMPORTING DATA IN POWER-BI – MYSQL TO POWER-BI

As your first step is to import the dataset/file into Power BI, click on the “Get Data” icon on the ribbon of Home tab.

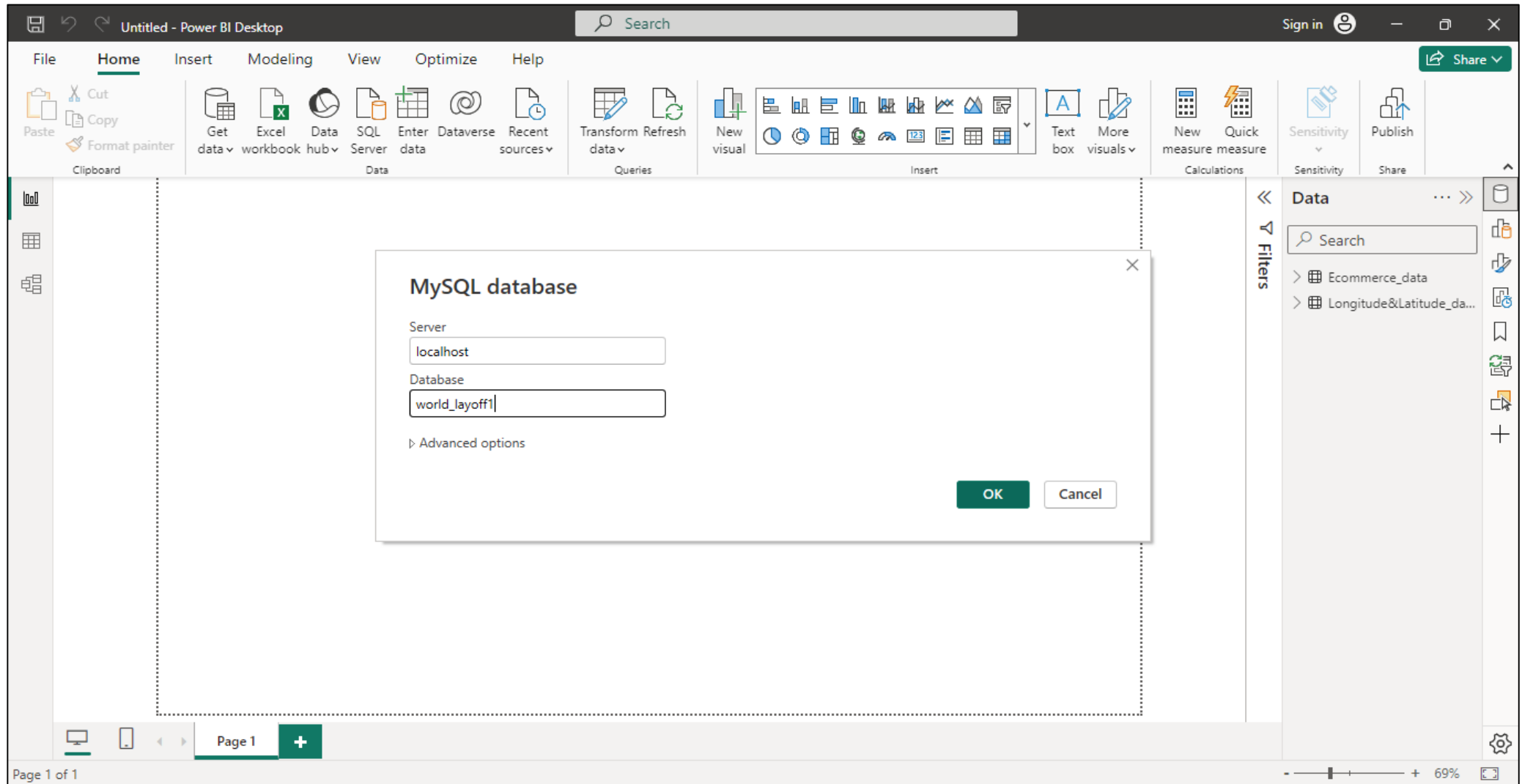


Once you select it, go ahead and select the MySQL Database option under the Database subheading. Press on Connect to connect with MySQL .





Provide database credential. As localhost and the name of database/schema and click OK



Select the necessary data from list, check its preview and click Load to load the dataset in Power-BI

The screenshot shows the Power BI Desktop interface with the 'Navigator' window open. The 'Navigator' window displays a list of datasets under the folder 'localhost: world\_layoff1 [3]'. The dataset 'world\_layoff1.layoffs\_staging2' is selected, indicated by a red box and a checkmark. To the right of the list, a preview of the dataset is shown, displaying columns: company, location, industry, total\_laid\_off, percentage\_laid\_off, and date. The preview shows data for various companies and locations, with some values being null. At the bottom of the Navigator window, there are buttons for 'Load', 'Transform Data', and 'Cancel'. The 'Load' button is highlighted in green.

world\_layoff1.layoffs\_staging2

company	location	industry	total_laid_off	percentage_laid_off	date
Included Health	SF Bay Area	Healthcare	null	0.06	25-
&Open	Dublin	Marketing	9	0.09	17-
#Paid	Toronto	Marketing	19	0.17	27-
100 Thieves	Los Angeles	Consumer	12	null	13-
10X Genomics	SF Bay Area	Healthcare	100	0.08	04-
1stdibs	New York City	Retail	70	0.17	02-
2TM	Sao Paulo	Crypto	90	0.12	01-
2TM	Sao Paulo	Crypto	100	0.15	01-
2U	Washington D.C.	Education	null	0.2	28-
54gene	Washington D.C.	Healthcare	95	0.3	29-
5B Solar	Sydney	Energy	null	0.25	03-
6sense	SF Bay Area	Sales	150	0.1	12-
80 Acres Farms	Cincinnati	Food	null	0.1	18-
8x8	SF Bay Area	Support	155	0.07	18-
8x8	SF Bay Area	Support	200	0.09	04-
98point6	Seattle	Healthcare	null	0.1	21-
99	Sao Paulo	Transportation	75	0.02	20-
Abra	SF Bay Area	Crypto	12	0.05	30-
Absci	Vancouver	Healthcare	40	null	09-
Acast	Stockholm	Media	70	0.15	15-
Acko	Mumbai	Finance	45	0.09	01-
Acorns	Portland	Finance	50	null	26-
Actifio	Boston	Data	54	null	16-

Page 1 of 1



# **THANK YOU**

**- MAYURI .D.**