

How to Create a Table in Power BI Using DAX

Authored by
stats writer

January 13, 2026

RECOMMENDED CITATION

stats writer (2026). *How to Create a Table in Power BI Using DAX*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=125961>

DAX (Data Analysis Expressions) is a formula language used in Power BI to manipulate data and create calculated measures and columns. To create a table in Power BI using DAX, you can use the DAX function "DATATABLE" which allows you to define the structure and values of a table within the formula. This function takes in parameters such as column names, data types, and values, and returns a table that can be used in your Power BI report. By using DAX, you can customize and create tables that meet your specific data analysis needs, making your Power BI reports more powerful and insightful.

You can use the following syntax in DAX to create a table from scratch in Power BI:

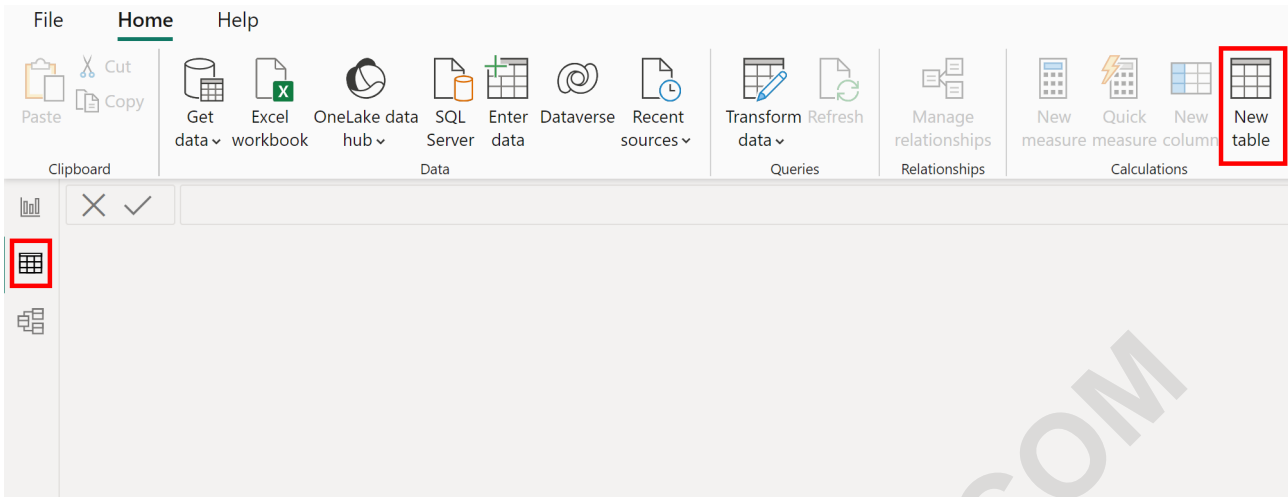
```
My_Table = {  
("Mavs", 22, 5),  
("Spurs", 30, 8),  
("Kings", 13, 4),  
("Warriors", 25, 12),  
("Nuggets", 11, 4),  
("Rockets", 40, 11)  
}
```

This particular syntax creates a new table named **My_Table** that contains 3 columns and 6 rows.

The following example shows how to use this syntax in practice.

Example: Create Table in Power BI by Using DAX

To create a table from scratch in Power BI, you must first click the **Table View** icon on the left side of the screen, then click the **New Table** icon along the top ribbon:



Next, type the following formula into the formula bar:

```
My_Table = {  
("Mavs", 22, 5),  
("Spurs", 30, 8),  
("Kings", 13, 4),  
("Warriors", 25, 12),  
("Nuggets", 11, 4),  
("Rockets", 40, 11)  
}
```

Once you press **Enter**, a table named **My_Table** will be created with 3 columns and 6 rows:

The screenshot shows the DAX editor in Power BI. The formula bar contains the following DAX code:

```
1 My_Table = {
2     ("Mavs", 22, 5),
3     ("Spurs", 30, 8),
4     ("Kings", 13, 4),
5     ("Warriors", 25, 12),
6     ("Nuggets", 11, 4),
7     ("Rockets", 40, 11)
8 }
```

Below the formula bar, a table is displayed with three columns: Value1, Value2, and Value3. The data rows are as follows:

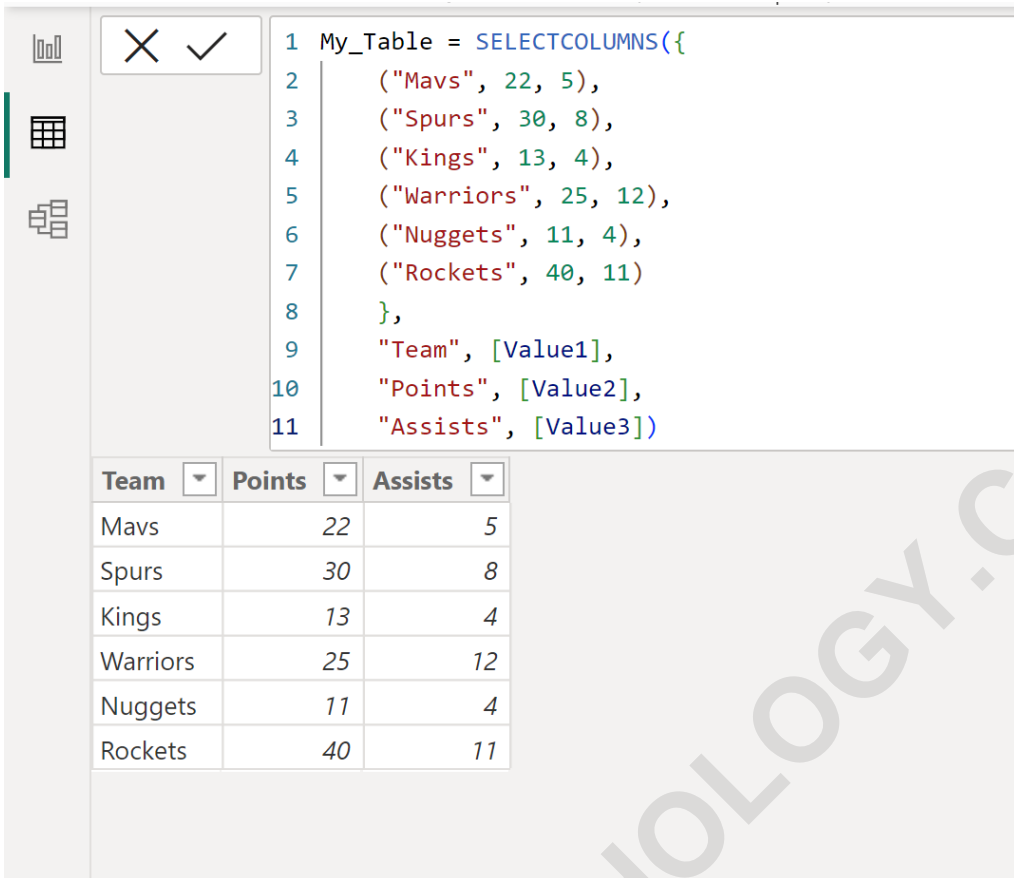
Value1	Value2	Value3
Mavs	22	5
Spurs	30	8
Kings	13	4
Warriors	25	12
Nuggets	11	4
Rockets	40	11

By default, DAX uses **Value1**, **Value2** and **Value3** as the column names.

If you would like to specify the column names to use when creating the table, you can use the following syntax with the **SELECTCOLUMNS** function:

```
My_Table = SELECTCOLUMNS({
("Mavs", 22, 5),
("Spurs", 30, 8),
("Kings", 13, 4),
("Warriors", 25, 12),
("Nuggets", 11, 4),
("Rockets", 40, 11)
},
"Team", ,
"Points", ,
"Assists", )
```

This will create the following table with column names "Team", "Points" and "Assists":



The screenshot shows the DAX editor in Power BI. The formula bar contains the following DAX code:

```
1 My_Table = SELECTCOLUMNS({  
2     ("Mavs", 22, 5),  
3     ("Spurs", 30, 8),  
4     ("Kings", 13, 4),  
5     ("Warriors", 25, 12),  
6     ("Nuggets", 11, 4),  
7     ("Rockets", 40, 11)  
8 },  
9     "Team", [Value1],  
10    "Points", [Value2],  
11    "Assists", [Value3])
```

Below the formula bar, a table is displayed with the following data:

Team	Points	Assists
Mavs	22	5
Spurs	30	8
Kings	13	4
Warriors	25	12
Nuggets	11	4
Rockets	40	11

Note: You can find the complete documentation for the **SELECTCOLUMNS** function in DAX .

The following tutorials explain how to perform other common tasks in Power BI: