

How to Count Occurrences in Power BI: A Step-by-Step Guide

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To count the number of occurrences in Power BI, you can use the Count function in the DAX language. This function allows you to specify a column or expression to count, and will return the total number of rows that meet the specified criteria. You can also use filters and conditions in the Count function to further refine your count. This can be useful for analyzing data and determining the frequency of certain values or events within a dataset. Additionally, Power BI also offers visualizations such as bar charts or tables that automatically display the count of values in a given column, making it easier to visualize and understand the data.

You can use the following syntax in DAX to calculate the number of occurrences of each value in a column in Power BI:

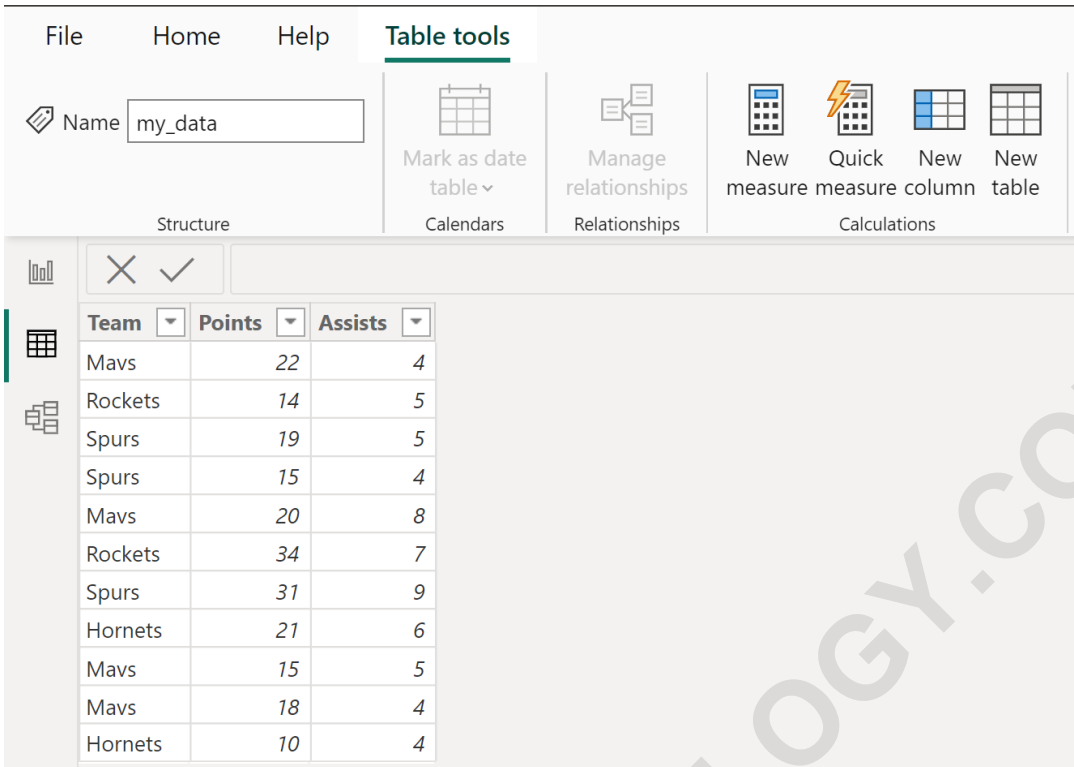
```
occurrences =  
COUNTX(  
FILTER( 'my_data', EARLIER('my_data') = 'my_data' ),  
'my_data'  
)
```

This particular example counts the number of occurrences of each value in the **team** column of the table named **my_data**.

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

Example: How to Count Number of Occurrences in Power BI

Suppose we have the following table in Power BI named **my_data**:

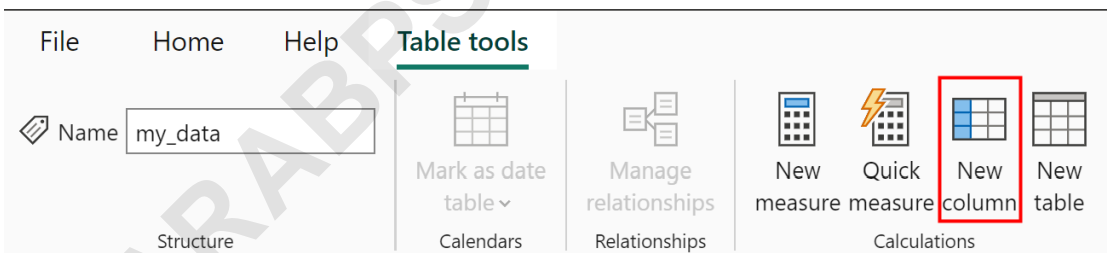


The screenshot shows the Power BI interface with the 'Table tools' ribbon selected. The ribbon contains several groups of options: 'Name' (my_data), 'Mark as date table', 'Manage relationships', 'New measure', 'Quick measure', 'New column', and 'New table'. Below the ribbon, a table is displayed with the following data:

Team	Points	Assists
Mavs	22	4
Rockets	14	5
Spurs	19	5
Spurs	15	4
Mavs	20	8
Rockets	34	7
Spurs	31	9
Hornets	21	6
Mavs	15	5
Mavs	18	4
Hornets	10	4

Suppose we would like to add a new column that contains the count of occurrences of each value in the **team** column.

To do so, click the **New column** icon:

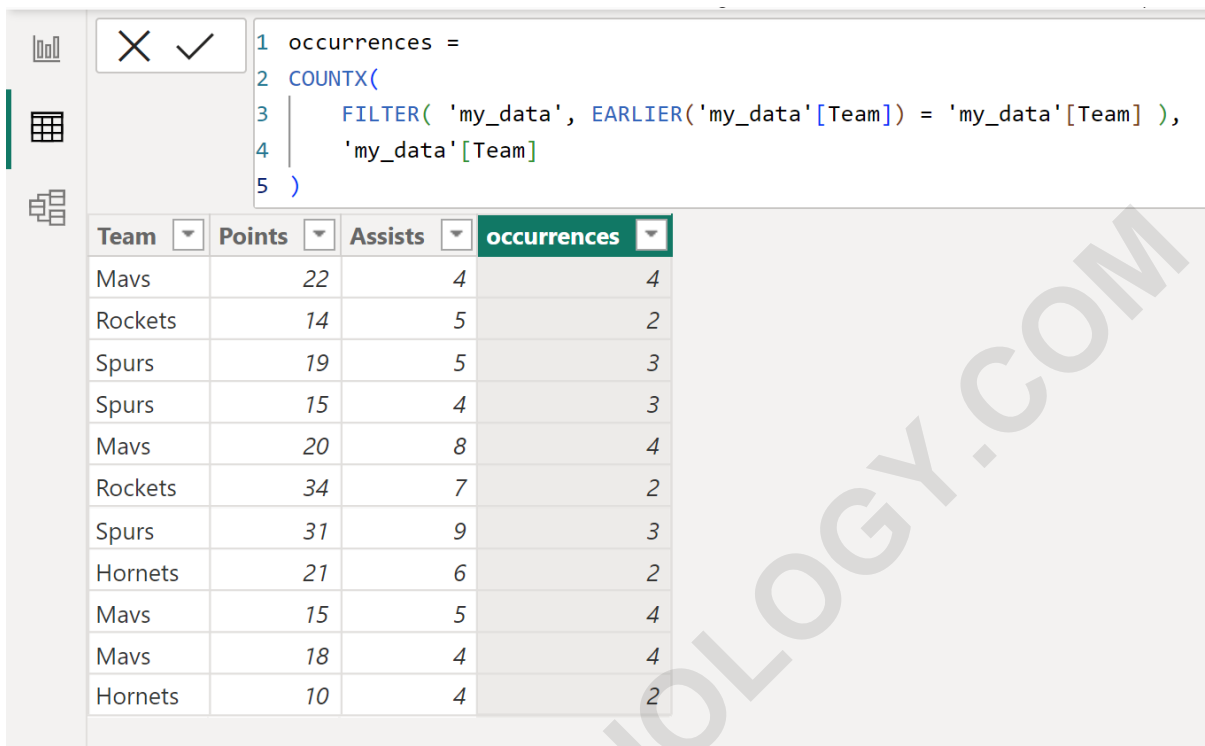


The screenshot shows the Power BI interface with the 'Table tools' ribbon selected. The 'New column' icon is highlighted with a red box. The ribbon contains several groups of options: 'Name' (my_data), 'Mark as date table', 'Manage relationships', 'New measure', 'Quick measure', 'New column', and 'New table'.

Then type in the following formula into the formula bar:

```
occurrences =
COUNTX(
FILTER('my_data', EARLIER('my_data') = 'my_data' ),
'my_data'
)
```

This will create a new column named **occurrences** that contains the count of occurrences of each value in the **team** column:



The screenshot shows the Power BI interface with a DAX formula bar and a data table. The formula bar contains the following DAX code:

```
1 occurrences =  
2 COUNTX(  
3     FILTER( 'my_data', EARLIER('my_data'[Team]) = 'my_data'[Team] ),  
4     'my_data'[Team]  
5 )
```

The data table below shows the result of the formula:

Team	Points	Assists	occurrences
Mavs	22	4	4
Rockets	14	5	2
Spurs	19	5	3
Spurs	15	4	3
Mavs	20	8	4
Rockets	34	7	2
Spurs	31	9	3
Hornets	21	6	2
Mavs	15	5	4
Mavs	18	4	4
Hornets	10	4	2

For example, we can see:

The team name **Mavs** occurs 4 times.

The team name **Rockets** occurs 2 times.

The team name **Spurs** occurs 3 times.

And so on.

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