

# How to Replace Blank Values with 0 in Power BI: A Step-by-Step Guide

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## RECOMMENDED CITATION

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To replace blank values with 0s in a column using Power BI, you can use the "Replace Values" function. First, select the column you want to replace the values in. Then, go to the "Transform" tab and click on "Replace Values". In the dialog box, enter the value you want to replace (in this case, leave it blank) and the value you want to replace it with (0). Click "OK" and the blank values in the selected column will be replaced with 0s. This can be helpful for cleaning up data and ensuring consistency in your analysis.

You can use the following syntax in DAX to replace blank values with 0 in a particular column of a table in Power BI:

```
Points_New = IF(ISBLANK('my_data'), 0, 'my_data')
```

This particular example replaces each blank value in the **Points** column of the table named **my\_data** with a value of 0.

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

## Example: How to Replace Blanks with 0 in Power BI

Suppose we have the following table in Power BI named **my\_data** that contains information about basketball players on various teams:

Team	Points	Assists
Mavs	22	8
Spurs	14	10
Rockets		4
Kings		4
Warriors	20	3
Nets	22	8
Lakers	18	6
Thunder	14	5
Blazers		2
Jazz	8	7

Notice that there are several rows in the **Points** column that contain blanks.

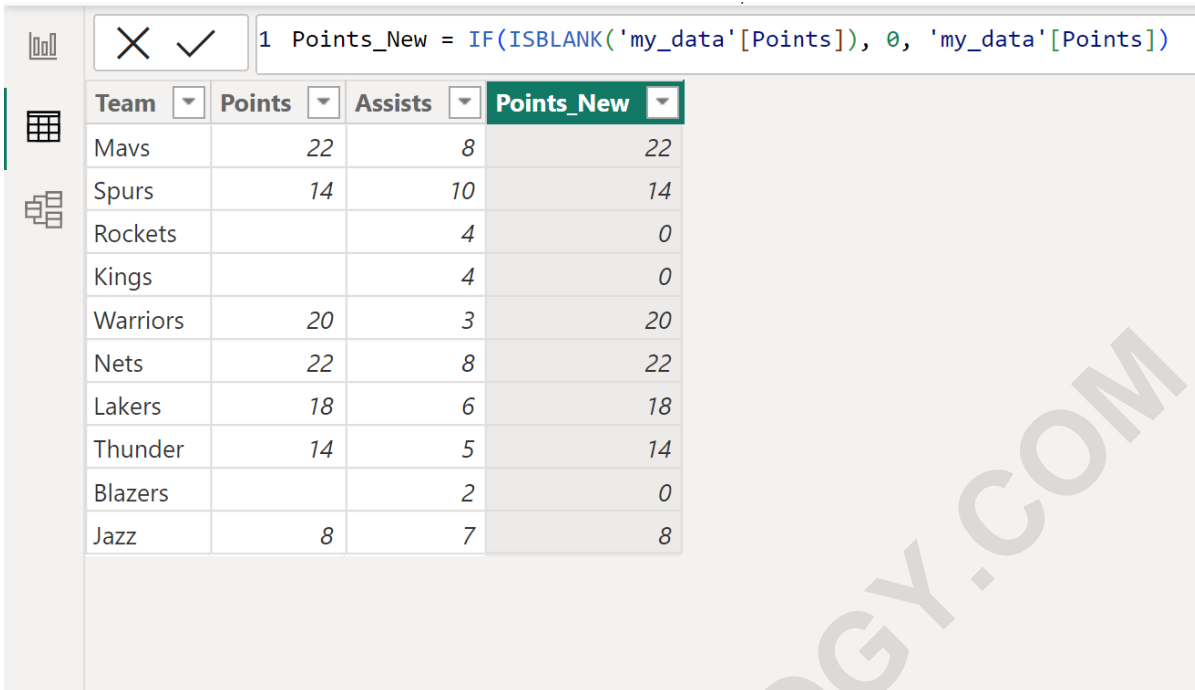
Suppose we would like to replace each of these blanks with a 0.

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

Then type in the following formula into the formula bar:

**Points\_New = IF(ISBLANK('my\_data'), 0, 'my\_data')**

This will create a new column named **Points\_New** that replaces each blank value from the original **Points** column with a value of 0:



The screenshot shows the Power BI interface. At the top, a formula bar contains the DAX formula: `1 Points_New = IF(ISBLANK('my_data'[Points]), 0, 'my_data'[Points])`. Below the formula bar is a table with the following data:

Team	Points	Assists	Points_New
Mavs	22	8	22
Spurs	14	10	14
Rockets		4	0
Kings		4	0
Warriors	20	3	20
Nets	22	8	22
Lakers	18	6	18
Thunder	14	5	14
Blazers		2	0
Jazz	8	7	8

## How This Formula Works

Recall the formula that we used to replace each blank value in the **Points** column with a 0:

**Points\_New = IF(ISBLANK('my\_data'), 0, 'my\_data')**

This formula uses an **IF** function combined with the **ISBLANK** function to check if each value in the **Points** column is blank.

If the value is blank, then the **ISBLANK** function returns **TRUE** and a value of **0** is returned.

If the value is not blank then the **ISBLANK** function returns **FALSE** and the original value from the **Points** column is returned instead.

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

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