

How to Get the Day of the Week from a Date in Power BI

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Power BI is a powerful data analysis tool that allows users to retrieve and manipulate data from various sources. One of its useful features is the ability to retrieve the day of the week from a given date. This can be achieved by using the DAX function called WEEKDAY, which calculates the day of the week from a given date and returns a number between 1 and 7, with 1 representing Sunday and 7 representing Saturday. This feature can be particularly helpful for businesses and organizations that need to track and analyze data based on specific days of the week. By utilizing the WEEKDAY function in Power BI, users can easily retrieve and visualize this information, providing valuable insights and aiding in decision-making processes.

Power BI: Get Day of Week from Date

You can use the following formulas in DAX to get the day of the week from a date in Power BI:

Formula 1: Get Day of Week as Full Name ("Sunday")

```
day_of_week = FORMAT('my_data', "dddd")
```

Formula 2: Get Day of Week as Abbreviated Name ("Sun")

```
day_of_week = FORMAT('my_data', "ddd")
```

Formula 3: Get Day of Week as Number (Sunday = 1)

```
day_of_week = WEEKDAY('my_data')
```

The following examples show how to use each method

in practice with the following table in Power BI:

The screenshot shows the Power BI interface with the 'Table tools' ribbon selected. The ribbon includes sections for Structure, Calendars, Relationships, and Calculations. The 'Calculations' section contains icons for 'New measure', 'Quick measure', 'New column', and 'New table'. Below the ribbon, a table is displayed with the following data:

Date	Sales
Monday, January 1, 2024	10
Friday, January 5, 2024	15
Thursday, February 15, 2024	22
Sunday, March 17, 2024	29
Monday, April 15, 2024	14
Monday, May 6, 2024	18
Monday, August 12, 2024	30
Sunday, September 15, 2024	24
Friday, October 11, 2024	12
Monday, December 23, 2024	15

Example 1: Get Day of Week as Full Name

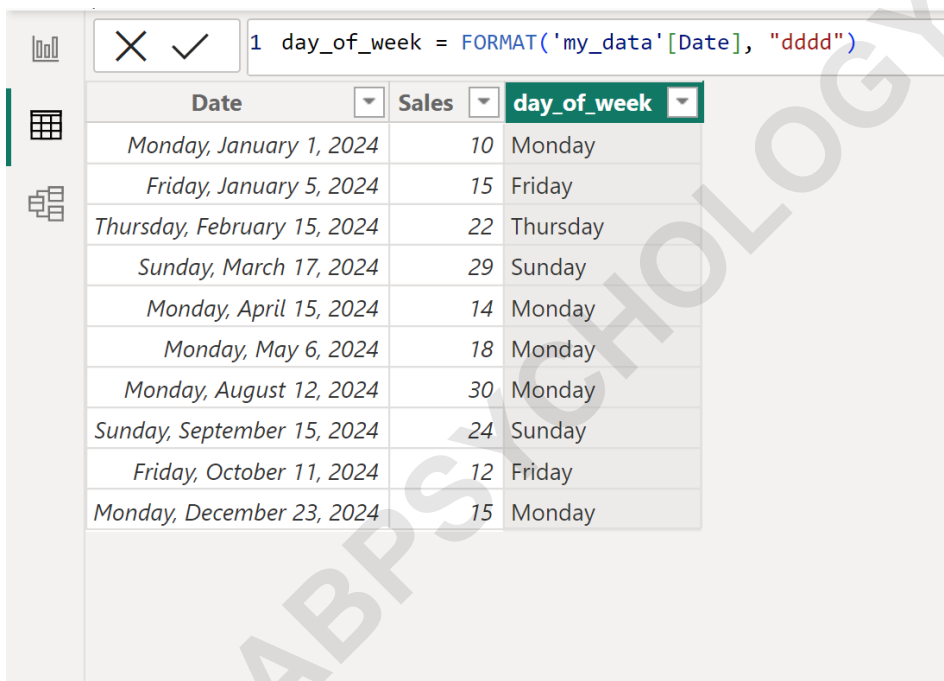
To get the day of the week as a full name, click the **Table tools** tab, then click the icon called **New column**:

This close-up screenshot focuses on the 'Table tools' ribbon. The 'Calculations' group is visible, containing four icons: 'New measure', 'Quick measure', 'New column', and 'New table'. The 'New column' icon, which depicts a grid with one column highlighted in blue, is enclosed in a red rectangular box to indicate it should be selected.

Then type the following formula into the formula bar:

```
day_of_week = FORMAT('my_data', "dddd")
```

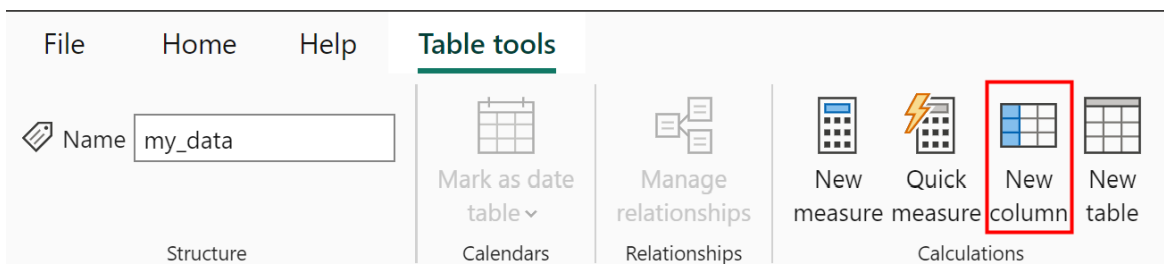
This will create a new column named `day_of_week` that displays the day of the week as a full name for the corresponding date in the Date column:



The screenshot shows the Power BI interface. The formula bar at the top contains the DAX formula: `1 day_of_week = FORMAT('my_data'[Date], "dddd")`. Below the formula bar, a table is displayed with three columns: `Date`, `Sales`, and `day_of_week`. The `day_of_week` column contains the full names of the days of the week corresponding to the dates in the `Date` column.

Date	Sales	day_of_week
Monday, January 1, 2024	10	Monday
Friday, January 5, 2024	15	Friday
Thursday, February 15, 2024	22	Thursday
Sunday, March 17, 2024	29	Sunday
Monday, April 15, 2024	14	Monday
Monday, May 6, 2024	18	Monday
Monday, August 12, 2024	30	Monday
Sunday, September 15, 2024	24	Sunday
Friday, October 11, 2024	12	Friday
Monday, December 23, 2024	15	Monday

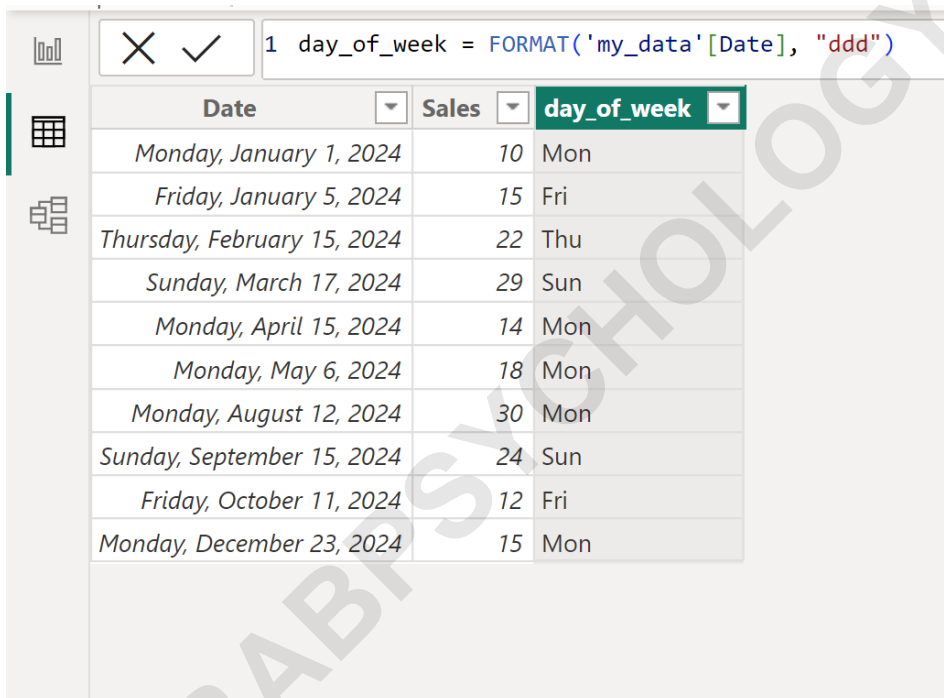
Example 2: Get Day of Week as Abbreviated Name



Then type the following formula into the formula bar:

```
day_of_week = FORMAT('my_data', "ddd")
```

This will create a new column named `day_of_week` that displays the day of the week as an abbreviated name for the corresponding date in the `Date` column:

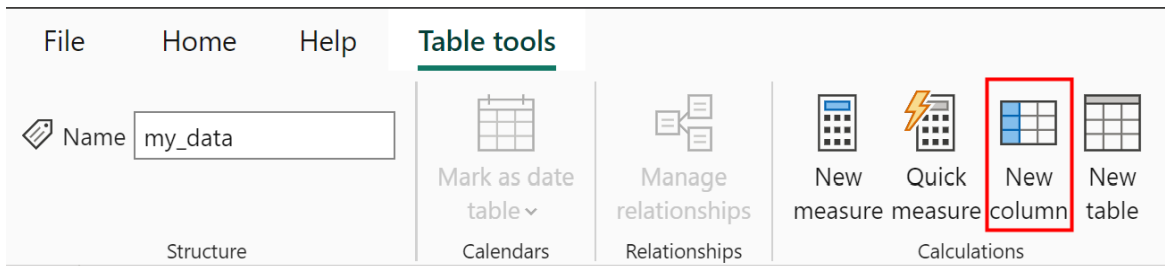


The screenshot shows the Power BI interface. The formula bar at the top contains the DAX formula: `1 day_of_week = FORMAT('my_data'[Date], "ddd")`. Below the formula bar is a table with three columns: `Date`, `Sales`, and `day_of_week`. The `day_of_week` column is highlighted in green. The table contains the following data:

Date	Sales	day_of_week
Monday, January 1, 2024	10	Mon
Friday, January 5, 2024	15	Fri
Thursday, February 15, 2024	22	Thu
Sunday, March 17, 2024	29	Sun
Monday, April 15, 2024	14	Mon
Monday, May 6, 2024	18	Mon
Monday, August 12, 2024	30	Mon
Sunday, September 15, 2024	24	Sun
Friday, October 11, 2024	12	Fri
Monday, December 23, 2024	15	Mon

Example 3: Get Day of Week as Number

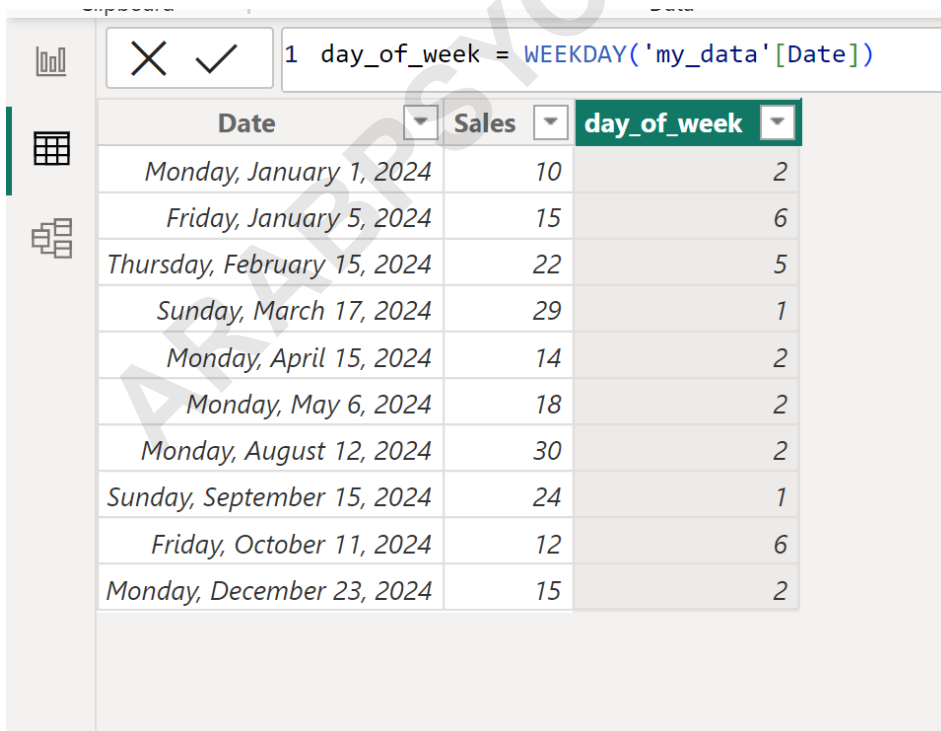
To get the day of the week as a number from 1 to 7, click the **Table tools** tab, then click the icon called **New column**:



Then type the following formula into the formula bar:

day_of_week = WEEKDAY('my_data')

This will create a new column named **day_of_week** that displays the day of the week as a number for the corresponding date in the Date column:



Date	Sales	day_of_week
Monday, January 1, 2024	10	2
Friday, January 5, 2024	15	6
Thursday, February 15, 2024	22	5
Sunday, March 17, 2024	29	1
Monday, April 15, 2024	14	2
Monday, May 6, 2024	18	2
Monday, August 12, 2024	30	2
Sunday, September 15, 2024	24	1
Friday, October 11, 2024	12	6
Monday, December 23, 2024	15	2

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

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

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