

How can I use an IF function with dates in Excel?

Authored by
stats writer

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The IF function in Excel is a powerful tool that allows users to specify a logical condition and perform different actions based on whether that condition is met or not. When working with dates in Excel, the IF function can be particularly useful for automating tasks and making data analysis more efficient.

To use the IF function with dates in Excel, you must first identify the logical condition that you want to test. This could be a specific date, a date range, or a comparison between two dates. Next, you will need to specify the action that should be taken if the condition is met, and the action that should be taken if the condition is not met.

For example, if you have a column of dates and you want to highlight all dates that are after a certain date, you can use the IF function to test if each date in the column is greater than the specified date. If the condition is met, you can format the cell to highlight it, and if the condition is not met, you can leave the cell unformatted.

By using the IF function with dates in Excel, you can save time and effort in performing data analysis and automate tasks that would otherwise be done manually. This can help you to work more efficiently and accurately with dates in your Excel spreadsheets.

Excel: Use an IF Function with Dates

You can use the following formulas to create an IF function with dates in Excel:

Method 1: Create IF Function to Compare Date in Cell with Specific Date

=IF(A2<=DATEVALUE("10/15/2022"), "Yes", "No")

For this formula, if the value in cell A2 is equal to or before 10/15/2022, the function returns "Yes." Otherwise it returns "No."

Method 2: Create IF Function to Compare Dates in Two Cells

=IF(A2<=B2, "Yes", "No")

For this formula, if the date in cell A2 is equal to or before the date in cell B2, the function returns "Yes." Otherwise it returns "No."

The following examples show how to use each formula in practice.

Example 1: IF Function to Compare Date in Cell with Specific Date

Suppose we have a list of dates in Excel that show when some task was done and we want to know if each task was done by 10/15/2022:

	A	B	C	D
1	Date Task was Done	Task Done by 10/15/2022?		
2	10/11/2022			
3	10/12/2022			
4	10/14/2022			
5	10/15/2022			
6	10/16/2022			
7	10/19/2022			
8	10/20/2022			
9	10/24/2022			
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

We can type the following formula into cell B2 to return "Yes" if the task in cell A2 was done before or on 10/15/2022 or to return "No" otherwise:

=IF(A2<=DATEVALUE("10/15/2022"), "Yes", "No")

We can then drag and fill this formula down to each remaining cell in column B:

[illegible]

Formula returns whether or not the date is before 1/15/2022.

Example: The DATEVALUE function stores the date as a text value.

: The DATEVALUE function in Excel converts a stored as a text value to a date that is recognizable

Example 2: IF Function to Compare Dates in Two Cells

those we have two columns of dates in Excel that
/ when some task was done along with the task

deadline:

	A	B	C	D	E
1	Date Task was Done	Task Deadline			
2	10/11/2022	10/14/2022			
3	10/12/2022	10/12/2022			
4	10/14/2022	10/13/2022			
5	10/15/2022	10/15/2022			
6	10/16/2022	10/15/2022			
7	10/19/2022	10/16/2022			
8	10/20/2022	10/30/2022			
9	10/24/2022	10/25/2022			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

We can type the following formula into cell C2 to return "Yes" if the task in cell A2 was done before or on the deadline in cell B2 or to return "No" if it wasn't:

=IF(A2<=B2, "Yes", "No")

We can then drag and fill this formula down to each remaining cell in column C:

C2			$\times$	$\checkmark$	fx	=IF(A2<=B2, "Yes", "No")
	A	B	C	D	E	
1	Date Task was Done	Task Deadline	Met Deadline?			
2	10/11/2022	10/14/2022	Yes			
3	10/12/2022	10/12/2022	Yes			
4	10/14/2022	10/13/2022	No			
5	10/15/2022	10/15/2022	Yes			
6	10/16/2022	10/15/2022	No			
7	10/19/2022	10/16/2022	No			
8	10/20/2022	10/30/2022	Yes			
9	10/24/2022	10/25/2022	Yes			
10						
11						
12						
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The formula returns either "Yes" or "No" depending on whether or not the task in each row was done by the deadline.

Note: This formula assumes that both columns are formatted as dates (not text) in Excel.

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