

How can I count the number of occurrences of a specific date in an Excel spreadsheet?

Authored by
stats writer

June 23, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I count the number of occurrences of a specific date in an Excel spreadsheet?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=147716>

Counting the number of occurrences of a specific date in an Excel spreadsheet can be achieved by using the COUNTIF function. This function allows you to specify a date and a range of cells to search in, and it will return the number of cells that contain the specified date. This method is useful for keeping track of how many times a certain date appears in a large data set, such as a financial record or a project schedule. Simply input the date and the range of cells into the COUNTIF formula, and the result will accurately reflect the number of occurrences of that date within the specified range. This method ensures a quick and efficient way to track and analyze data based on specific dates in an Excel spreadsheet.

Excel: Count Number of Date Occurrences

You can use the following formula to count the number of date occurrences between a particular date range in Excel:

=SUMPRODUCT((A2:A12>=\$E\$1)*(A2:A12<=\$E\$2))

This particular formula counts the number of date occurrences in the range A2:A12 where the date is between the start date in cell E1 and the end date in cell E2.

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

Example: Count Number of Date Occurrences in Excel

Suppose we have the following dataset that contains information about the number of sales made on various

dates by some retail store:

	A	B	C	D	E	F
1	Date	Sales				
2	1/1/2023	10				
3	1/4/2023	12				
4	1/5/2023	14				
5	1/7/2023	7				
6	1/26/2023	14				
7	2/4/2023	10				
8	2/5/2023	12				
9	2/15/2023	10				
10	2/23/2023	8				
11	3/12/2023	4				
12	3/25/2023	9				
13						
14						
15						
16						
17						
18						

Suppose we would like to count the number of dates between 1/2/2023 and 2/2/2023.

We can type these start and end dates in cells E1 and E2, respectively, and then type the following formula into cell E3 to count the number of dates between this range:

=SUMPRODUCT((A2:A12>=\$E\$1)*(A2:A12<=\$E\$2))

	A	B	C	D	E	F	G
1	Date	Sales		Start Date	1/2/2023		
2	1/1/2023	10		End Date	2/2/2023		
3	1/4/2023	12		Number of Dates	4		
4	1/5/2023	14					
5	1/7/2023	7					
6	1/26/2023	14					
7	2/4/2023	10					
8	2/5/2023	12					
9	2/15/2023	10					
10	2/23/2023	8					
11	3/12/2023	4					
12	3/25/2023	9					
13							
14							
15							
16							
17							
18							

We can manually verify this is correct by identifying the three dates:

1/4/20231/5/20231/7/20231/26/2023

Note that if we change the start or end date, the formula

will automatically update to count the number of dates between the new range.

For example, suppose we change the end date to 3/2/2023:

E3				=SUMPRODUCT((A2:A12>=\$E\$1)*(A2:A12<=\$E\$2))			
	A	B	C	D	E	F	G
1	Date	Sales		Start Date	1/2/2023		
2	1/1/2023	10		End Date	3/2/2023		
3	1/4/2023	12		Number of Dates	8		
4	1/5/2023	14					
5	1/7/2023	7					
6	1/26/2023	14					
7	2/4/2023	10					
8	2/5/2023	12					
9	2/15/2023	10					
10	2/23/2023	8					
11	3/12/2023	4					
12	3/25/2023	9					
13							
14							
15							
16							
17							
18							
19							

We can see that there are 8 dates between 1/2/2023 and 3/2/2023.

Feel free to change the start and end dates to whatever dates you'd like.

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

ARABPSYCHOLOGY.COM