

How can I count data by month in Excel?

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Counting data by month in Excel is a simple and efficient way to organize and analyze data in a spreadsheet. This method allows users to group and sum data based on a specific month, making it easier to track trends and patterns over time. To count data by month in Excel, one can use the "SUMIF" function and specify the month as a criteria. This function will then add up all the values that fall under that specific month, providing an accurate count of data for that month. This feature is particularly useful for financial data, sales reports, and any other data that is time-sensitive. By using this method, users can quickly and accurately obtain a count of data by month, saving time and effort in data analysis.

Count by Month in Excel

You can use the following formula to count the number of occurrences by month in an Excel spreadsheet:

=SUMPRODUCT(1*(MONTH(A1:A10)=11))

This particular formula counts the number of dates in the range A1:A10 that occur in the eleventh month (November) of the year.

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

Example: Count by Month in Excel

Suppose we have the following dataset that shows the sales of some product on various dates:

	A	B	C	D	E	F
1	Date	Sales				
2	1/4/2022	4				
3	1/7/2022	7				
4	2/7/2022	7				
5	5/4/2022	6				
6	7/2/2022	5				
7	3/14/2022	8				
8	2/15/2022	8				
9	4/15/2022	7				
10	5/19/2022	2				
11	6/12/2022	7				
12	6/14/2022	5				
13	1/14/2022	6				
14	1/7/2022	4				
15	2/4/2022	3				
16						
17						
18						
19						
20						
21						

Now suppose we'd like to count the number of dates by month.

To generate a list of unique month numbers, we can use the following formula:

=SORT(UNIQUE(MONTH(A2:A15)))

We'll type this formula into cell D2:

D2		fx		=SORT(UNIQUE(MONTH(A2:A15)))			
	A	B	C	D	E	F	G
1	Date	Sales		Month			
2	1/4/2022	4		1			
3	1/7/2022	7		2			
4	2/7/2022	7		3			
5	5/4/2022	6		4			
6	7/2/2022	5		5			
7	3/14/2022	8		6			
8	2/15/2022	8		7			
9	4/15/2022	7					
10	5/19/2022	2					
11	6/12/2022	7					
12	6/14/2022	5					
13	1/14/2022	6					
14	1/7/2022	4					
15	2/4/2022	3					
16							
17							
18							
19							
20							
21							

Next, we can use the following formula to count the number of dates by month:

=SUMPRODUCT(1*(MONTH(\$A\$2:\$A\$15)=D2))

We'll type this formula into cell E2, then copy and paste it into each remaining cell in column E:

E2					=SUMPRODUCT(1*(MONTH(\$A\$2:\$A\$15)=D2))			
	A	B	C	D	E	F	G	H
1	Date	Sales		Month	Count			
2	1/4/2022	4		1	4			
3	1/7/2022	7		2	3			
4	2/7/2022	7		3	1			
5	5/4/2022	6		4	1			
6	7/2/2022	5		5	2			
7	3/14/2022	8		6	2			
8	2/15/2022	8		7	1			
9	4/15/2022	7						
10	5/19/2022	2						
11	6/12/2022	7						
12	6/14/2022	5						
13	1/14/2022	6						
14	1/7/2022	4						
15	2/4/2022	3						
16								
17								
18								
19								
20								

From the output we can see:

Month 1 (January) occurred 4 times. Month 2 (February) occurred 3 times. Month 3 (March) occurred 1 time.

And so on.

Additional Resources

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