

How can I calculate the average of filtered rows in Excel?

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=162790>

To calculate the average of filtered rows in Excel, first apply the desired filter to the data. Then, select the filtered cells and use the AVERAGE function to calculate the average of the selected cells. The resulting value will be the average of the filtered rows. This method allows for a more accurate average calculation as it excludes any hidden or filtered out data.

Average Filtered Rows in Excel (With Example)

The easiest way to take the average of a filtered range in Excel is to use the following syntax:

SUBTOTAL(101, A1:A10)

Note that the value 101 is a for taking the average of a filtered range of rows.

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

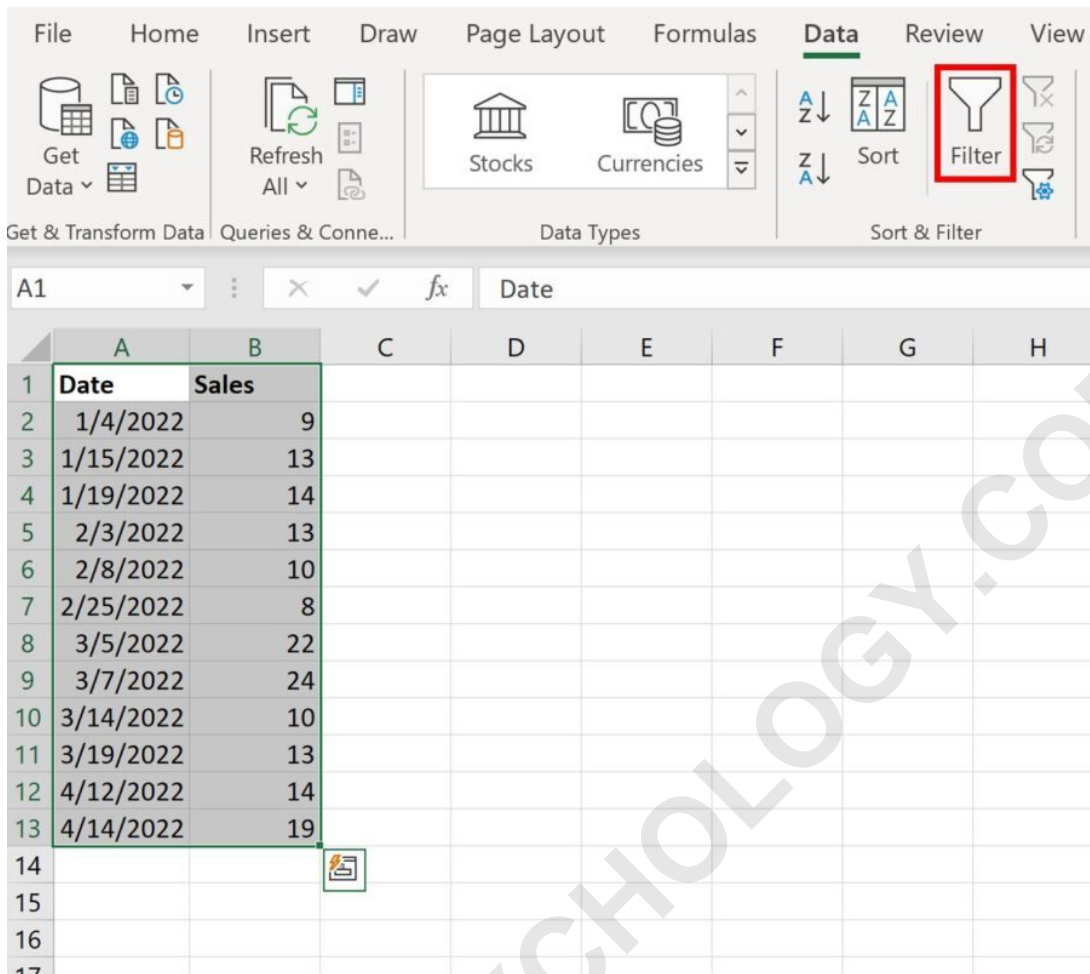
Example: Sum Filtered Rows in Excel

Suppose we have the following dataset that shows the number of sales made during various days by a company:

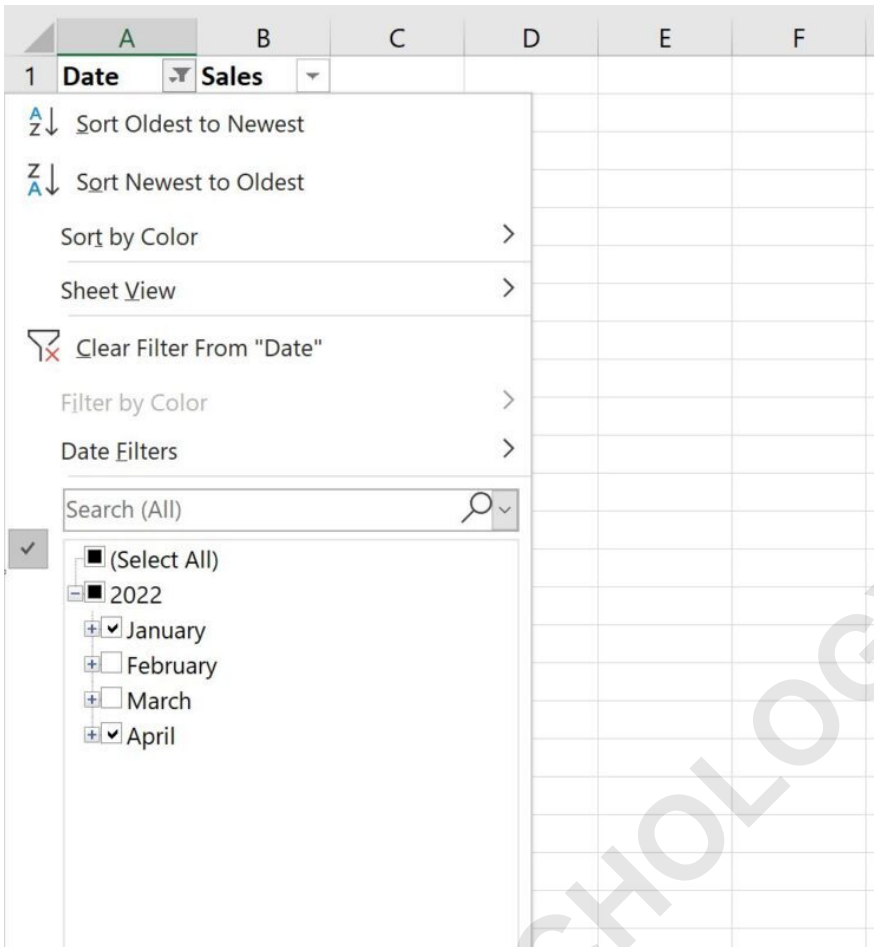
	A	B	C	D	E	F
1	Date	Sales				
2	1/4/2022	9				
3	1/15/2022	13				
4	1/19/2022	14				
5	2/3/2022	13				
6	2/8/2022	10				
7	2/25/2022	8				
8	3/5/2022	22				
9	3/7/2022	24				
10	3/14/2022	10				
11	3/19/2022	13				
12	4/12/2022	14				
13	4/14/2022	19				
14						
15						
16						
17						
18						
19						

Next, let's filter the data to only show the dates that are in January or April.

To do so, highlight the cell range A1:B13. Then click the Data tab along the top ribbon and click the Filter button.



Then click the dropdown arrow next to Date and make sure that only the boxes next to January and April are checked, then click OK:



The data will automatically be filtered to only show the rows where the dates are in January or April:

	A	B	C	D	E	F
1	Date	Sales				
2	1/4/2022	9				
3	1/15/2022	13				
4	1/19/2022	14				
12	4/12/2022	14				
13	4/14/2022	19				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

If we attempt to use the AVERAGE() function to find the average value in the Sales column, it will actually return the average of all of the original values:

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F
1	Date	Sales				
2	1/4/2022	9				
3	1/15/2022	13				
4	1/19/2022	14				
12	4/12/2022	14				
13	4/14/2022	19				
14						
15	AVERAGE	14.08333				
16						
17						
18						
19						
20						
21						
22						
23						
24						

Instead, we can use the **SUBTOTAL()** function:

	A	B	C	D	E	F
1	Date	Sales				
2	1/4/2022	9				
3	1/15/2022	13				
4	1/19/2022	14				
12	4/12/2022	14				
13	4/14/2022	19				
14						
15	AVERAGE	13.8				
16						
17						
18						
19						
20						
21						
22						
23						
24						

This function takes the average of only the visible rows.

We can manually verify this by taking the average of the visible rows:

Average of Sales in visible rows: $(9+13+14+14+19) / 5 = 13.8$.

Additional Resources

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