

How can I use the COUNTIF function in Excel with multiple ranges?

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June 28, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use the COUNTIF function in Excel with multiple ranges?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=156009>

The COUNTIF function in Excel allows users to count the number of cells within a given range that meet a specified criteria. This can be particularly useful when working with multiple ranges of data. To use the COUNTIF function with multiple ranges, simply select all the ranges that you want to include in the count and enter them as separate arguments within the function. This will allow you to efficiently and accurately count the number of cells that meet the specified criteria across multiple ranges in your Excel spreadsheet.

Excel: Use COUNTIF with Multiple Ranges

The COUNTIFS() function in Excel can be used to count the number of rows in a spreadsheet that meet multiple criteria.

This function uses the following syntax:

COUNTIFS(criteria_range1, criterion1, criteria_range2, criterion2, ...)

where:

criteria_range1: The first range of cells to look in.
criterion1: The criterion to look for in the first range of cells.

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

Example: Using COUNTIFS in Excel

Suppose we have the following dataset that shows the team and points scored for seven different basketball players:

	A	B	C	D	E	F
1	Player	Team	Points			
2	A	Spurs	10			
3	B	Spurs	15			
4	C	Lakers	19			
5	D	Lakers	29			
6	E	Lakers	22			
7	F	Mavericks	24			
8	G	Mavericks	31			
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

We can use the following COUNTIFS() formula to count the number of players who play for the Lakers *and* who score 20 or more points per game:

=COUNTIFS(B2:B8, "Lakers", C2:C8, ">20")

The following screenshot shows how to use this

formula in practice:

	A	B	C	D	E	F	G
1	Player	Team	Points				
2	A	Spurs	10	=COUNTIFS(B2:B8, "Lakers", C2:C8, ">20")			
3	B	Spurs	15				
4	C	Lakers	19				
5	D	Lakers	29				
6	E	Lakers	22				
7	F	Mavericks	24				
8	G	Mavericks	31				
9							
10							
11							
12							
13							
14							
15							
16							
17							

The total number of players that meet these two criteria is 2.

D2		fx		=COUNTIFS(B2:B8, "Lakers", C2:C8, ">20")				
	A	B	C	D	E	F	G	H
1	Player	Team	Points					
2	A	Spurs	10	2				
3	B	Spurs	15					
4	C	Lakers	19					
5	D	Lakers	29					
6	E	Lakers	22					
7	F	Mavericks	24					
8	G	Mavericks	31					
9								
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Specifically we can see that player "D" and "E" meet these two criteria.

Note that in this example we only used the COUNTIFS() function with two cell ranges, but we can use this function with any number of cell ranges that we'd like.

Additional Resources

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