

How can I use the SUMIFS function in Excel to add values in a column based on multiple criteria within the same column?"

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The SUMIFS function in Excel is a useful tool for adding up values in a column that meet specific criteria. This function allows you to specify multiple criteria within the same column, making it a versatile and efficient way to perform complex calculations. By using the SUMIFS function, you can easily add up data that meets specific conditions, saving you time and effort in your data analysis. This function is especially useful for large datasets, as it allows you to quickly and accurately sum up values based on multiple criteria. Overall, the SUMIFS function is a valuable tool for manipulating and analyzing data in Excel.

Excel: Use SUMIFS with Multiple Criteria in Same Column

You can use the following syntax to use a SUMIFS function with multiple criteria in the same column in Excel:

```
=SUM(SUMIFS(B2:B13,A2:A13,{"Guard","Center"}))
```

This particular formula calculates the sum of the values in the range B2:B13 where the corresponding value in the range A2:A13 is either "Guard" or Center."

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

Example: Use SUMIFS with Multiple Criteria in Same Column

Suppose we have the following dataset in Excel that shows the number of points scored by various

basketball players:

	A	B	C	D	E	F
1	Position	Points				
2	Guard	12				
3	Forward	10				
4	Forward	4				
5	Center	8				
6	Guard	8				
7	Guard	9				
8	Forward	12				
9	Forward	13				
10	Center	20				
11	Guard	22				
12	Guard	29				
13	Forward	14				
14						
15						
16						
17						
18						
19						

We can use the following formula to calculate the sum of points scored by all players who have a position of Guard or Center:

=SUM(SUMIFS(B2:B13,A2:A13,{"Guard","Center"}))

The following screenshot shows how to use this formula in practice:

	A	B	C	D	E	F	G	H
1	Position	Points		Sum of Points if Position is Guard or Center				
2	Guard	12		108				
3	Forward	10						
4	Forward	4						
5	Center	8						
6	Guard	8						
7	Guard	9						
8	Forward	12						
9	Forward	13						
10	Center	20						
11	Guard	22						
12	Guard	29						
13	Forward	14						
14								
15								
16								
17								
18								
19								
20								
21								

We can see that the players who have a position of Guard or Center scored a total of 108 points.

We can manually verify this is correct by taking the sum of each of the Guards and Centers:

	A	B	C	D	E	F	G
1	Position	Points		Sum of Points if Position is Guard or Center			
2	Guard	12		108			
3	Forward	10					
4	Forward	4					
5	Center	8					
6	Guard	8					
7	Guard	9					
8	Forward	12					
9	Forward	13					
10	Center	20					
11	Guard	22					
12	Guard	29					
13	Forward	14					
14							
15							
16							
17							
18							
19							
20							

Sum of points for Guards and Centers: $12 + 8 + 8 + 9 + 20 + 22 + 29 = 108$.

This matches the value that we calculated using the formula.