

What is the average of a range of cells in Excel, excluding any blank cells?

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RECOMMENDED CITATION

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The average of a range of cells in Excel refers to the numerical value that represents the central tendency or average of a group of numbers within a specified range. This calculation can be performed by adding all the numbers in the range and dividing the sum by the total number of cells included in the range. However, when there are any blank cells within the range, they are excluded from the calculation to provide a more accurate average. This allows for a more precise representation of the data in the range and eliminates the impact of any blank cells on the overall average.

Excel: Average If Not Blank

You can use the following formulas in Excel to calculate the average value of a range if the value in a corresponding range is not blank:

Formula 1: Average If Not Blank (One Column)

=AVERAGEIF(A:A, "<>", B:B)

This formula calculates the average in column B only where the values in column A are not blank.

Formula 2: Average If Not Blank (Multiple Columns)

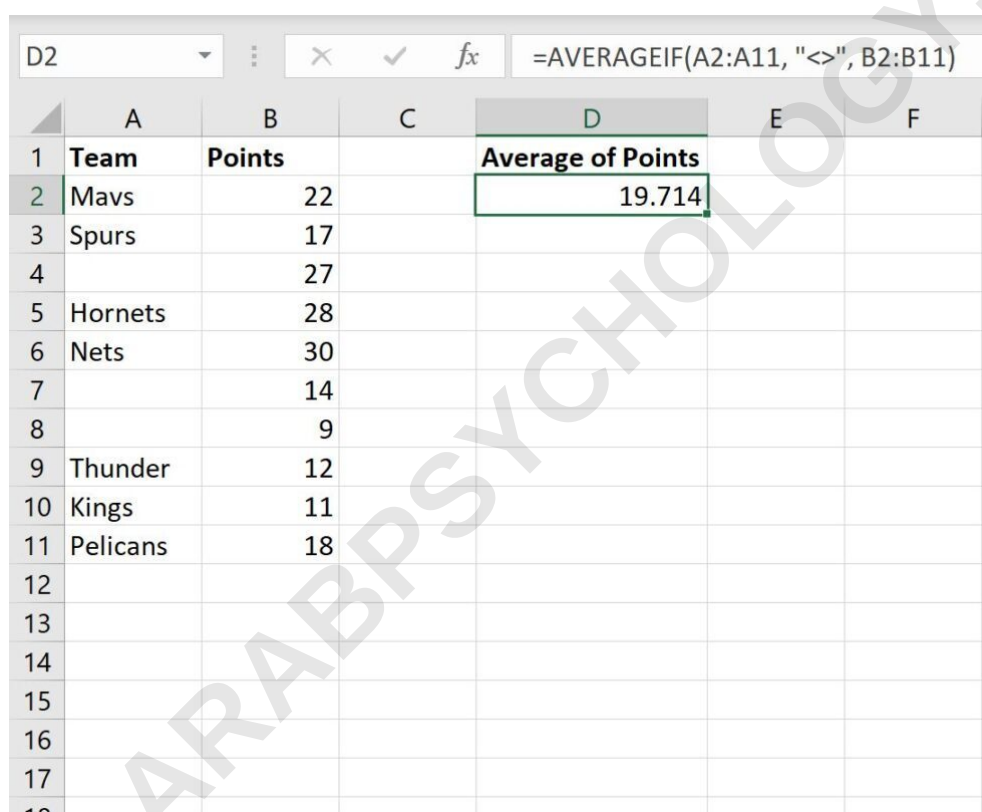
=AVERAGEIFS(C:C, A:A, "<>", B:B, "<>")

This formula calculates the average in column C only where the values in column A *and* B are not blank.

The following examples show how to use each formula in practice.

Example 1: Average If Not Blank (One Column)

The following screenshot shows how to calculate the average of the values in the Points column only where the values in the Team column are not blank:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F
1	Team	Points		Average of Points		
2	Mavs	22		19.714		
3	Spurs	17				
4		27				
5	Hornets	28				
6	Nets	30				
7		14				
8		9				
9	Thunder	12				
10	Kings	11				
11	Pelicans	18				
12						
13						
14						
15						
16						
17						
18						

The formula bar shows the formula: `=AVERAGEIF(A2:A11, "<>", B2:B11)`

The average of the values in the Points column for the rows where Team is not blank is 19.714.

We can verify this is correct by manually calculating the

average of the points for the teams that are not blank:

Average of points: $(22 + 17 + 28 + 30 + 12 + 11 + 18) / 7 = 19.714$.

This matches the value that we calculated using the formula.

Example 2: Average If Not Blank (Multiple Columns)

The following screenshot shows how to calculate the average of the values in the Points column only where the values in the Conference and Team columns are not blank:

E2					=AVERAGEIFS(C2:C11, A2:A11, "<>", B2:B11, "<>")		
	A	B	C	D	E	F	G
1	Conference	Team	Points		Average of Points		
2	Western	Mavs	22		18		
3	Western	Spurs	17				
4			27				
5	Eastern	Hornets	28				
6		Nets	30				
7			14				
8			9				
9	Western	Thunder	12				
10	Western	Kings	11				
11		Pelicans	18				
12							
13							
14							
15							
16							
17							
18							
19							
20							

The average of the values in the Points column for the rows where the Conference and Team columns are not blank is 18.

We can verify this is correct by manually calculating the average of the points where the conference and team is not blank:

Average of points: $(22 + 17 + 28 + 12 + 11) / 5 = 18$.

This matches the value that we calculated using the formula.

Additional Resources

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

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