

How can I use Google Sheets to calculate the average of a range of cells, excluding any cells that are blank?

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Google Sheets is a powerful tool that allows users to create and manipulate data in a spreadsheet format. One of its useful features is the ability to calculate the average of a range of cells, while excluding any cells that are blank. This can be done by using the AVERAGE function, which calculates the average of a given range of cells. To exclude blank cells, the function can be combined with the IF function, which allows us to specify a condition. By setting the condition to only include cells that are not blank, the AVERAGE function will only calculate the average of the non-blank cells in the specified range. This functionality is useful for data analysis and allows for accurate calculations without the interference of empty cells.

Google Sheets: Calculate Average If Not Blank

You can use the following formula to calculate the average value of a range in Google Sheets only if every cell in the range is not blank:

```
=IF(COUNT(A1:A10),AVERAGE(A1:A10),0)
```

This formula calculates the average value of cells in the range A1:A10. If every value in the range is blank, then the formula simply returns 0.

You could also use the following formula to return a blank instead:

```
=IF(COUNT(A1:A10),AVERAGE(A1:A10),"")
```

The following examples show how to use these formulas in practice.

Example 1: Average If Not Blank (Return a Value)

The following screenshot shows how to calculate the average value in column B where there are only a few missing values:

	A	B	C	D	E
1	Player	Points		Average	
2	A	10		11	
3	B	5			
4	C				
5	D				
6	E	15			
7	F	13			
8	G	10			
9	H	13			
10					
11					
12					
13					
14					
15					
16					

Since there were only a few missing values, the formula simply returned the average of the non-missing values.

Example 2: Average If Not Blank (Return a Zero)

The following screenshot shows how to calculate the average value in column B where every single value is missing:

The screenshot shows a Google Sheet with the following data and formula:

	A	B	C	D	E
1	Player	Points		Average	
2	A			0	
3	B				
4	C				
5	D				
6	E				
7	F				
8	G				
9	H				
10					
11					
12					
13					
14					
15					
16					
17					

The formula bar for cell D2 shows: `=IF(COUNT(B2:B9),AVERAGE(B2:B9),0)`

Since every single value was missing in column B, the formula simply returned a value of 0.

Example 3: Average If Not Blank (Return a Blank)

The following screenshot shows how to calculate the average value in column B where every single value is missing:

D2 fx =IF(COUNT(B2:B9), AVERAGE(B2:B9), "")

	A	B	C	D	E
1	Player	Points		Average	
2	A				
3	B				
4	C				
5	D				
6	E				
7	F				
8	G				
9	H				
10					
11					
12					
13					
14					
15					
16					

Additional Resources