How can I use the SUMIFS function to calculate a sum based on a date range in Google Sheets?

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The SUMIFS function is a useful tool in Google Sheets that allows users to calculate a sum based on a specific date range. This function requires several parameters, including the range of cells to sum, the criteria range(s) for the dates, and the date range itself. By using the SUMIFS function, users can easily filter and sum data within a specific date range, making it a valuable tool for financial analysis and budgeting. This function is especially useful for businesses and individuals who need to track and analyze data over a certain period of time. With its simple yet powerful formula, the SUMIFS function in Google Sheets provides an efficient and accurate solution for calculating sums based on a date range.

Use SUMIFS with a Date Range in Google Sheets

You can use the following syntax to sum values in a cell range in Google Sheets that fall in a specific date range:

=SUMIFS(B2:B11,A2:A11,">="&D2,A2:A11,"<="&E2)

This formula takes the sum of the values in the range B2:B11 where the start date in A2:A11 is equal to or greater than the date in cell D2 and the end date is equal to or less than the date in cell E2.

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

Example: Use SUMIFS with Date Range in Google Sheets

Suppose we have the following dataset in Google Sheets that shows the number of products sold on various days:

	A	B	C	D
1	**Date**	**Products Sold**		
2	1/1/2021	9		
3	1/4/2021	23		
4	1/6/2021	29		
5	1/7/2021	22		
6	1/8/2021	25		
7	1/12/2021	28		
8	1/14/2021	30		
9	1/15/2021	15		
10	1/17/2021	18		
11	1/18/2021	11		
12				
13				
14				
15				
16				
17				
18				
19				
20				

We can define a start and end date in cells D2 and E2 respectively, then use the following formula to calculate the sum of the products sold between these two dates:

=SUMIFS(B2:B11,A2:A11,">="&D2,A2:A11,"<="&E2)

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

F2 fx =SUMIFS(B2:B11,A2:A11,">="&D2,A2:A11,"<="&E2)

	A	B	C	D	E	F
1	Date	Products Sold		Start Date	End Date	Sum of Products Sold
2	1/1/2021	9		1/10/2021	1/15/2021	73
3	1/4/2021	23				
4	1/6/2021	29				
5	1/7/2021	22				
6	1/8/2021	25				
7	1/12/2021	28				
8	1/14/2021	30				
9	1/15/2021	15				
10	1/17/2021	18				
11	1/18/2021	11				
12						
13						
14						
15						
16						
17						

We can see that a total of 73 products were sold between 1/10/2021 and 1/15/2021.

We can manually verify that this number of products were sold during the three dates in column A that fall within the date range:

1/12/2021: 28 products1/14/2021: 30 products1/15/2021: 15 products

Total products sold: 28 + 30 + 15 = 73.

If we change either the start or end date, the formula will automatically update to count the cells within the

new date range.

For example, suppose we change the start date to 1/1/2021:

F2 =SUMIFS(B2:B11,A2:A11,">="&D2,A2:A11,"<="&E2)

	A	B	C	D	E	F
1	Date	Products Sold		Start Date	End Date	Sum of Products Sold
2	1/1/2021	9		1/1/2021	1/15/2021	181
3	1/4/2021	23				
4	1/6/2021	29				
5	1/7/2021	22				
6	1/8/2021	25				
7	1/12/2021	28				
8	1/14/2021	30				
9	1/15/2021	15				
10	1/17/2021	18				
11	1/18/2021	11				
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We can see that a total of 181 products were sold between 1/1/2021 and 1/15/2021.

Additional Resources

The following tutorials provide additional information on how to work with dates in Google Sheets: