

# How do I perform a Median IF function in Google Sheets?

Authored by  
**stats writer**

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## RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=141484>

The Median IF function in Google Sheets is a tool that allows users to calculate the median value of a specified range of data based on a given condition. This function is particularly useful for analyzing large datasets and finding the middle value that is not affected by extreme outliers. To perform a Median IF function in Google Sheets, users need to first select the range of data they want to analyze and then input the condition criteria in the formula. The function will then calculate and display the median value that meets the specified condition. This can help users efficiently analyze their data and make informed decisions based on the median value.

## Perform a Median IF Function in Google Sheets

You can use the following formula to perform a Median IF function in Google Sheets:

```
=MEDIAN(IF(GROUP_RANGE=VALUE,  
MEDIAN_RANGE))
```

This formula finds the median value of all cells in some range that belong to a certain group.

When you type this formula into a cell, you need to press **Ctrl + Shift + Enter** since this is an array formula.

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

**Example: Median IF Function in Google Sheets**

**Suppose we have the following dataset that shows the total points scored by 15 different basketball players:**

	A	B	C	D	E	F
1	Player	Team	Points			
2	Andy	Lakers	14			
3	Bernard	Mavericks	29			
4	Collin	Lakers	34			
5	Doug	Mavericks	18			
6	Eric	Spurs	6			
7	Frank	Hornets	17			
8	Greg	Hornets	15			
9	Harry	Spurs	13			
10	Isaiah	Spurs	17			
11	John	Mavericks	22			
12	Kent	Mavericks	24			
13	Larry	Hornets	18			
14	Michael	Spurs	29			
15	Nate	Lakers	40			
16	Oscar	Spurs	20			
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**Now suppose we'd like to find the median of the points scored by players on each team.**

**To do so, we can use the =UNIQUE() function to first create a list of the unique teams. We'll type the following formula into cell F2:**

**=UNIQUE(B2:B16)**

**Once we press enter, a list of unique team names will be displayed:**

F2    fx    =unique(B2:B16)

	A	B	C	D	E	F
1	Player	Team	Points			<b>Team</b>
2	Andy	Lakers	14			Lakers
3	Bernard	Mavericks	29			Mavericks
4	Collin	Lakers	34			Spurs
5	Doug	Mavericks	18			Hornets
6	Eric	Spurs	6			
7	Frank	Hornets	17			
8	Greg	Hornets	15			
9	Harry	Spurs	13			
10	Isaiah	Spurs	17			
11	John	Mavericks	22			
12	Kent	Mavericks	24			
13	Larry	Hornets	18			
14	Michael	Spurs	29			
15	Nate	Lakers	40			
16	Oscar	Spurs	20			
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**Next, we can use the =MEDIAN() function to find the median number of points scored by players on each team.**

**We'll type the following formula into cell G2 and press Ctrl + Shift + Enter so Google Sheets knows this is an array formula:**

**=MEDIAN(IF(B2:B16=F2, C2:C16))**

G2    fx    =MEDIAN(IF(B2:B16=F2,C2:C16))

	A	B	C	D	E	F	G	H
1	Player	Team	Points			Team	Median Points	
2	Andy	Lakers	14			Lakers	=MEDIAN(IF(B2:B16=F2,C2:C16))	
3	Bernard	Mavericks	29			Mavericks		
4	Collin	Lakers	34			Spurs		
5	Doug	Mavericks	18			Hornets		
6	Eric	Spurs	6					
7	Frank	Hornets	17					
8	Greg	Hornets	15					
9	Harry	Spurs	13					
10	Isaiah	Spurs	17					
11	John	Mavericks	22					
12	Kent	Mavericks	24					
13	Larry	Hornets	18					
14	Michael	Spurs	29					
15	Nate	Lakers	40					
16	Oscar	Spurs	20					
17								
18								
19								
20								
21								
22								
23								

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	A	B	C	D	E	F	G
1	Player	Team	Points			<b>Team</b>	<b>Median Points</b>
2	Andy	Lakers	14			Lakers	34
3	Bernard	Mavericks	29			Mavericks	23
4	Collin	Lakers	34			Spurs	17
5	Doug	Mavericks	18			Hornets	17
6	Eric	Spurs	6				
7	Frank	Hornets	17				
8	Greg	Hornets	15				
9	Harry	Spurs	13				
10	Isaiah	Spurs	17				
11	John	Mavericks	22				
12	Kent	Mavericks	24				
13	Larry	Hornets	18				
14	Michael	Spurs	29				
15	Nate	Lakers	40				
16	Oscar	Spurs	20				
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**That's it!**

**Column F displays each of the unique teams and column G displays the median of the points scored by players on each team.**

**The following tutorials explain how to calculate other common metrics in Google Sheets:**