

How can I use Google Sheets to check if a value is in a specific range?

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Google Sheets is a powerful tool that offers a variety of functions to help users manage and analyze data. One useful function is the ability to check if a value is within a specific range. This feature allows users to quickly and accurately identify if a value falls within a specified range of numbers or dates. By using the "IF" and "AND" functions, users can easily create a formula that will check if a value is between two specified numbers or dates. This can be helpful for data validation, identifying outliers, and other data analysis tasks. Overall, the ability to use Google Sheets to check if a value is in a specific range adds efficiency and accuracy to data management and analysis.

Google Sheets: Check if Value is in Range

You can use the following formulas to check if certain values exist in a range in Google Sheets:

Method 1: Check if Value is in Range

=IF(ISERROR(MATCH("Value to Find", A1:A16, 0)), "Not Found", "Found")

Method 2: Count Occurrences of Value in Range

=COUNTIF(A2:A16, "Value")

Method 1: Check if Value is in Range

The following screenshot shows how to check whether or not the team name "Suns" is found in a certain range of team names:

D2 *fx* =IF(ISERROR(MATCH(D1,A1:A16,0)), "Not Found", "Found")

	A	B	C	D	E
1	Team		Word to Find	Suns	
2	Mavs		Result	Found	
3	Lakers				
4	Spurs				
5	Hornets				
6	Nets				
7	Knicks				
8	Magic				
9	Nets				
10	Suns				
11	Heat				
12	Suns				
13	Knicks				
14	Pelicans				
15	Mavs				
16	Suns				
17					
18					
19					
20					
21					

The team name exists in the range, so the **MATCH()** function returns "Found."

Note that we can replace "Found" and "Not Found" with numerical values like 1 and 0 if we'd like:

	A	B	C	D	E
D2					
1	Team		Word to Find	Suns	
2	Mavs		Result	1	
3	Lakers				
4	Spurs				
5	Hornets				
6	Nets				
7	Knicks				
8	Magic				
9	Nets				
10	Suns				
11	Heat				
12	Suns				
13	Knicks				
14	Pelicans				
15	Mavs				
16	Suns				
17					
18					
19					
20					
21					
22					

The value 1 indicates that "Suns" was found in the range of team values.

Method 2: Count Occurrences of Value in Range

We can use the **COUNTIF()** function to find the number of times that a certain value occurs in a range:

D2 *fx* =COUNTIF(A2:A16,D1)

	A	B	C	D	E
1	Team		Word to Find	Suns	
2	Mavs		Occurences	3	
3	Lakers				
4	Spurs				
5	Hornets				
6	Nets				
7	Knicks				
8	Magic				
9	Nets				
10	Suns				
11	Heat				
12	Suns				
13	Knicks				
14	Pelicans				
15	Mavs				
16	Suns				
17					
18					
19					
20					
21					
22					

We can see that the team name "Suns" occurs 3 times in the range.