

How can I use the ISBLANK function in Google Sheets with a cell range?

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The ISBLANK function in Google Sheets is a useful tool for checking if a cell is empty or not. It can also be used to check a range of cells and return a TRUE or FALSE value depending on whether all the cells in the range are blank or not. This function can be especially helpful when working with large datasets or when creating conditional formulas. To use the ISBLANK function with a cell range in Google Sheets, simply enter the function followed by the cell range in parentheses. The function will then evaluate the range and return a TRUE or FALSE value. This allows for efficient and accurate data analysis and decision making within a spreadsheet.

Google Sheets: Use ISBLANK with Cell Range

You can use the following formulas to check if cells in a range are blank in Google Sheets:

Method 1: Check if All Cells in Range Are Blank

=AND(ARRAYFORMULA(ISBLANK(A2:C2)))

If *all* cells in the range A2:C2 are blank, this formula returns TRUE. Otherwise, it returns FALSE.

Method 2: Check if Any Cells in Range Are Blank

=OR(ARRAYFORMULA(ISBLANK(A2:C2)))

If *any* cells in the range A2:C2 are blank, this formula returns TRUE. Otherwise, it returns FALSE.

The following examples show how to use each method

in Google Sheets.

Example 1: Check if All Cells in Range Are Blank

Suppose we have the following dataset in Google Sheets that contains information about various basketball players:

	A	B	C	D
1	Team	Position	Points	
2	A		12	
3	A	Forward	35	
4	A	Forward		
5	A	Forward	23	
6	A	Center	20	
7	B	Guard	16	
8				
9	B	Forward	13	
10	B	Forward	18	
11	B	Center	20	
12				
13				
14				
15				
16				
17				
18				
19				
20				

We'll type the following formula into cell D2 to check if every cell in row 2 is blank:

=AND(ARRAYFORMULA(ISBLANK(A2:C2)))

We'll then copy and paste this formula down to every remaining cell in column D:

	A	B	C	D
D2				<code>=AND(ARRAYFORMULA(ISBLANK(A2:C2)))</code>
1	Team	Position	Points	All Cells Blank?
2	A		12	FALSE
3	A	Forward	35	FALSE
4	A	Forward		FALSE
5	A	Forward	23	FALSE
6	A	Center	20	FALSE
7	B	Guard	16	FALSE
8				TRUE
9	B	Forward	13	FALSE
10	B	Forward	18	FALSE
11	B	Center	20	FALSE
12				
13				
14				
15				
16				
17				
18				

From the output we can see that the only row to return TRUE is row 8, which contains blank values in each column.

Example 2: Check if Any Cells in Range Are Blank

	A	B	C	D
1	Team	Position	Points	
2	A		12	
3	A	Forward	35	
4	A	Forward		
5	A	Forward	23	
6	A	Center	20	
7	B	Guard	16	
8				
9	B	Forward	13	
10	B	Forward	18	
11	B	Center	20	
12				
13				
14				
15				
16				
17				
18				
19				
20				

We'll type the following formula into cell D2 to check if any cell in row 2 is blank:

=OR(ARRAYFORMULA(ISBLANK(A2:C2)))

We'll then copy and paste this formula down to every remaining cell in column D:

D2 fx =OR(ARRAYFORMULA(ISBLANK(A2:C2)))

	A	B	C	D
1	Team	Position	Points	Any Cells Blank?
2	A		12	TRUE
3	A	Forward	35	FALSE
4	A	Forward		TRUE
5	A	Forward	23	FALSE
6	A	Center	20	FALSE
7	B	Guard	16	FALSE
8				TRUE
9	B	Forward	13	FALSE
10	B	Forward	18	FALSE
11	B	Center	20	FALSE
12				
13				
14				
15				
16				
17				
18				
19				
20				

From the output we can see that three rows return a value of TRUE.

Each of these rows has at least one blank cell.

Note: You can find the complete documentation for the ISBLANK function in Google Sheets .

Additional Resources

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