

How can I use Google Sheets to check if multiple cells are equal?

Authored by
stats writer

June 25, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use Google Sheets to check if multiple cells are equal?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=152085>

Google Sheets is a powerful spreadsheet software that allows users to organize and analyze data effectively. One useful feature of Google Sheets is the ability to check if multiple cells are equal. This can be useful in situations where you need to compare data from different cells or validate information. To use this feature, you can utilize the IF function and logical operators to create a formula that will return a true or false value based on the equality of the cells. This allows you to quickly and easily identify any discrepancies in your data. By utilizing Google Sheets' functionality, you can ensure accuracy and efficiency in your data analysis.

Google Sheets: Check if Multiple Cells are Equal

You can use the following formula in Google Sheets to check if the values in multiple cells are equal:

```
=AND(ARRAYFORMULA(B2={C2,D2,E2}))
```

This particular formula checks if the values in cells B2, C2, D2, and E2 are all equal.

If they are all equal, the formula returns TRUE. Otherwise it returns FALSE.

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

Example: Check if Multiple Cells are Equal in Google Sheets

Suppose we have the following dataset in Google Sheets that shows the number of points scored by various basketball players during four different games:

	A	B	C	D	E	
1	Player	Game 1	Game 2	Game 3	Game 4	
2	A	10	10	10	10	
3	B	12	18	18	8	
4	C	14	14	13	12	
5	D	14	19	13	20	
6	E	15	15	15	15	
7	F	13	13	13	13	
8	G	19	27	27	23	
9	H	25	31	30	30	
10	I	24	30	40	30	
11	J	20	25	23	12	
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

We can type the following formula into cell F2 to check if the points values in each of the games for player A are all equal:

=AND(ARRAYFORMULA(B2={C2,D2,E2}))

We can then click and drag this formula down to each remaining cell in column F:

F2 fx =AND(ARRAYFORMULA(B2={C2,D2,E2}))

	A	B	C	D	E	F
1	Player	Game 1	Game 2	Game 3	Game 4	All Game Values Equal?
2	A	10	10	10	10	TRUE
3	B	12	18	18	8	FALSE
4	C	14	14	13	12	FALSE
5	D	14	19	13	20	FALSE
6	E	15	15	15	15	TRUE
7	F	13	13	13	13	TRUE
8	G	19	27	27	23	FALSE
9	H	25	31	30	30	FALSE
10	I	24	30	40	30	FALSE
11	J	20	25	23	12	FALSE
12						
13						
14						
15						
16						
17						
18						
19						
20						

The formula returns **TRUE** if the values in all four games are equal and **FALSE** otherwise.

For example, player A scored 10 points in all four games so the formula returned **TRUE**.

However, player B did not score the same number of points in all four games so the formula returned **FALSE**.

If you would like to return values other than **TRUE** and **FALSE**, you can wrap the formula in an **IF** function.

For example, you can use the following formula to instead return the values Equal and Not Equal:

```
=IF(AND(ARRAYFORMULA(B2={C2,D2,E2})), "Equal", "Not Equal")
```

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

	A	B	C	D	E	F
1	Player	Game 1	Game 2	Game 3	Game 4	All Game Values Equal?
2	A	10	10	10	10	Equal
3	B	12	18	18	8	Not Equal
4	C	14	14	13	12	Not Equal
5	D	14	19	13	20	Not Equal
6	E	15	15	15	15	Equal
7	F	13	13	13	13	Equal
8	G	19	27	27	23	Not Equal
9	H	25	31	30	30	Not Equal
10	I	24	30	40	30	Not Equal
11	J	20	25	23	12	Not Equal
12						
13						
14						
15						
16						
17						
18						
19						

The formula now returns Equal if the values in all four games are equal and Not Equal otherwise.

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

ARABPSYCHOLOGY.COM