

How can I use an IF function with three conditions in Google Sheets?

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An IF function in Google Sheets allows users to create conditional statements that perform different actions based on a specified condition. This function can be used with three conditions by using nested IF functions, where the first condition is checked in the initial IF statement, and the remaining conditions are checked in subsequent IF statements. This enables users to create complex logical expressions and perform different actions based on multiple conditions in a single cell. By properly structuring the IF statement and defining the conditions, users can efficiently analyze data and automate decision-making processes in their Google Sheets.

Google Sheets: Use an IF Function with 3 Conditions

You can use the following formulas to create an IF function with 3 conditions in Google Sheets:

Method 1: Nested IF Function

```
=IF(C2<15, "Bad", IF(C2<20, "OK", IF(C2<25, "Good", "Great"))))
```

Method 2: IF Function with AND Logic

```
=IF(AND(A2="Mavs", B2="Guard", C2>25), "Yes", "No")
```

Method 3: IF Function with OR Logic

```
=IF(OR(A2="Mavs", B2="Guard", C2>25), "Yes", "No")
```

The following examples show how to use each formula in practice with the following dataset in Google Sheets:

	A	B	C	D	E
1	Team	Position	Points		
2	Mavs	Guard	22		
3	Mavs	Guard	30		
4	Mavs	Forward	19		
5	Warriors	Guard	14		
6	Warriors	Forward	18		
7	Warriors	Forward	12		
8	Heat	Guard	29		
9	Heat	Guard	31		
10	Heat	Forward	23		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Example 1: Nested IF Function

We can type the following formula into cell D2 to return a specific value based on the value for each player in the Points column:

```
=IF(C2<15, "Bad", IF(C2<20, "OK", IF(C2<25, "Good", "Great"))))
```

We can then drag and fill this formula down to each remaining cell in column D:

D2 fx =IF(C2<15, "Bad", IF(C2<20, "OK", IF(C2<25, "Good", "Great")))

	A	B	C	D	E	F
1	Team	Position	Points	Status		
2	Mavs	Guard	22	Good		
3	Mavs	Guard	30	Great		
4	Mavs	Forward	19	OK		
5	Warriors	Guard	14	Bad		
6	Warriors	Forward	18	OK		
7	Warriors	Forward	12	Bad		
8	Heat	Guard	29	Great		
9	Heat	Guard	31	Great		
10	Heat	Forward	23	Good		
11						
12						
13						
14						
15						
16						
17						
18						

Here's what this formula did:

If the value in the Points column is less than 15, return Bad. Else, if the value in the Points column is less than 20, return OK. Else, if the value in the Points column is less than 25, return Good. Else, return Great.

Example 2: IF Function with AND Logic

=IF(AND(A2="Mavs", B2="Guard", C2>25), "Yes", "No")

We can then drag and fill this formula down to each

remaining cell in column D:

D2 fx =IF(AND(A2="Mavs", B2="Guard", C2>25), "Yes", "No")

	A	B	C	D
1	Team	Position	Points	Mavs and Guard and Points > 25?
2	Mavs	Guard	22	No
3	Mavs	Guard	30	Yes
4	Mavs	Forward	19	No
5	Warriors	Guard	14	No
6	Warriors	Forward	18	No
7	Warriors	Forward	12	No
8	Heat	Guard	29	No
9	Heat	Guard	31	No
10	Heat	Forward	23	No
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

Here's what this formula did:

If the value in the Team column was "Mavs" and the value in the Position column was "Guard" and the value in the Points column was greater than 25, return Yes.

Else, if at least one condition is not met then return No.

Notice that only one row returned "Yes" because only

one row met all three conditions.

Example 3: IF Function with OR Logic

We can type the following formula into cell D2 to return "Yes" if one of three conditions are met for a specific player or "No" if none of the conditions are met:

=IF(OR(A2="Mavs", B2="Guard", C2>25), "Yes", "No")

We can then drag and fill this formula down to each remaining cell in column D:

	A	B	C	D
D2				=IF(OR(A2="Mavs", B2="Guard", C2>25), "Yes", "No")
1	Team	Position	Points	Mavs or Guard or Points > 25?
2	Mavs	Guard	22	Yes
3	Mavs	Guard	30	Yes
4	Mavs	Forward	19	Yes
5	Warriors	Guard	14	Yes
6	Warriors	Forward	18	No
7	Warriors	Forward	12	No
8	Heat	Guard	29	Yes
9	Heat	Guard	31	Yes
10	Heat	Forward	23	No
11				
12				
13				
14				
15				
16				
17				
18				

Here's what this formula did:

If the value in the Team column was "Mavs" or the value in the Position column was "Guard" or the value in the Points column was greater than 25, return Yes.

Else, if none of the conditions are met then return No.

Notice that six total rows returned "Yes" because each of those rows met at least one of the three conditions.

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