

How can I use an IF function with three conditions in Excel?”

Authored by
stats writer

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=155345>

An IF function in Excel allows users to specify a logical test and perform different actions based on whether the test is true or false. It can be used with three conditions by using nested IF functions, where each condition is evaluated separately. This allows for more complex and specific criteria to be applied in determining the outcome of the function. By carefully setting up the nested IF statements, users can easily incorporate multiple conditions and create a more versatile and precise formula in their Excel spreadsheets.

Excel: Use an IF Function with 3 Conditions

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

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 Excel:

	A	B	C	D	E	F	
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						
	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						
19						
20						

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:

	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				

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.

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	E
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					
19					
20					

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.

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

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