

How to Find the Most Frequent Value with Criteria in Excel

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To find the most common value with criteria in Excel, one can use the COUNTIF function. This function allows the user to specify a specific criteria and then counts the number of cells that meet that criteria. By using this function and sorting the data in descending order, the most common value can be easily identified. This method is useful for analyzing large data sets and identifying patterns or trends based on specific criteria. It is a simple and efficient way to find the most common value in Excel.

Excel: Find Most Common Value with Criteria

You can use the following formula to find the most common value in Excel based on criteria:

```
=INDEX(B2:B14,MODE(IF(A2:A14=E2,MATCH(B2:B14,B2:B14,0))))
```

This particular formula finds the most common value in the range B2:B14 where the corresponding value in the range A2:A14 is equal to the value specified in cell E2.

The following examples show how to use each method in practice.

Example: How to Find Most Common Value with Criteria in Excel

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

	A	B	C	D	E
1	Team	Position	Points		
2	Mavs	Guard	22		
3	Spurs	Forward	19		
4	Mavs	Guard	14		
5	Mavs	Guard	20		
6	Spurs	Center	41		
7	Spurs	Center	30		
8	Rockets	Center	29		
9	Spurs	Guard	25		
10	Mavs	Center	18		
11	Rockets	Forward	15		
12	Rockets	Forward	22		
13	Spurs	Center	29		
14	Rockets	Guard	13		
15					
16					
17					

Suppose we would like to find the most common value in the Position column only among players who have a value of Spurs in the Team column.

We can specify "Spurs" in cell D2 and then type the following formula into cell E2:

```
=INDEX(B2:B14,MODE(IF(A2:A14=E2,MATCH(B2:B14,B2:B14,0))))
```

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

	A	B	C	D	E	F	G
1	Team	Position	Points		Team	Most Common Position	
2	Mavs	Guard	22		Spurs	Center	
3	Spurs	Forward	19				
4	Mavs	Guard	14				
5	Mavs	Guard	20				
6	Spurs	Center	41				
7	Spurs	Center	30				
8	Rockets	Center	29				
9	Spurs	Guard	25				
10	Mavs	Center	18				
11	Rockets	Forward	15				
12	Rockets	Forward	22				
13	Spurs	Center	29				
14	Rockets	Guard	13				
15							
16							

The formula returns the value **Center**, which represents the most common position among players on the **Spurs** team.

We can verify this is correct by manually identifying each player on the **Spurs** team:

	A	B	C	D	E	F
1	Team	Position	Points		Team	Most Common Position
2	Mavs	Guard	22		Spurs	Center
3	Spurs	Forward	19			
4	Mavs	Guard	14			
5	Mavs	Guard	20			
6	Spurs	Center	41			
7	Spurs	Center	30			
8	Rockets	Center	29			
9	Spurs	Guard	25			
10	Mavs	Center	18			
11	Rockets	Forward	15			
12	Rockets	Forward	22			
13	Spurs	Center	29			
14	Rockets	Guard	13			
15						
16						
17						

We can calculate the following count of positions for the Spurs:

Forward: 1

Center: 3

Guard: 1

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