

How can I extract unique values from a dataset based on specific criteria using Excel?

Authored by
stats writer

June 28, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I extract unique values from a dataset based on specific criteria using Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=156084>

The process of extracting unique values from a dataset based on specific criteria using Excel involves identifying and selecting the desired criteria, using the appropriate functions and tools in Excel to filter and sort the data, and then using the "Remove Duplicates" function to eliminate any duplicate values. This allows for a streamlined and efficient way to extract only the distinct and relevant data from a dataset, facilitating easier analysis and decision-making.

Excel: Extract Unique Values Based on Criteria

You can use the following basic formula to extract unique values based on criteria in Excel:

```
=UNIQUE(FILTER(B2:B14,A2:A14="West"))
```

This particular formula finds the unique values in the range B2:B14 where the corresponding cell in the range A2:A14 is equal to "West."

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

Example: Extract Unique Values Based on Criteria in Excel

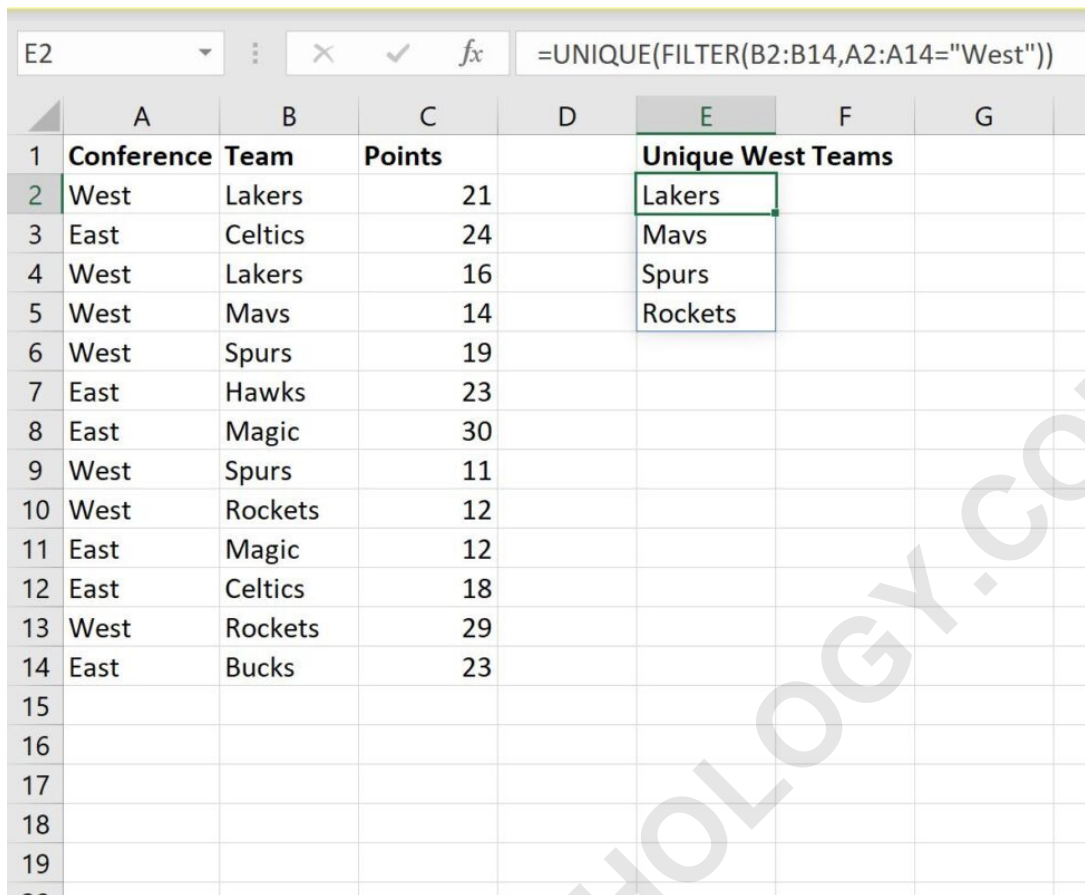
Suppose we have the following dataset in Excel that contains information about various basketball players:

	A	B	C	D	E
1	Conference	Team	Points		
2	West	Lakers	21		
3	East	Celtics	24		
4	West	Lakers	16		
5	West	Mavs	14		
6	West	Spurs	19		
7	East	Hawks	23		
8	East	Magic	30		
9	West	Spurs	11		
10	West	Rockets	12		
11	East	Magic	12		
12	East	Celtics	18		
13	West	Rockets	29		
14	East	Bucks	23		
15					
16					
17					
18					
19					
20					
21					

We can type the following formula into cell E1 to extract a list of unique team names where the Conference column is equal to "West":

=UNIQUE(FILTER(B2:B14,A2:A14="West"))

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



	A	B	C	D	E	F	G
1	Conference	Team	Points		Unique West Teams		
2	West	Lakers	21		Lakers		
3	East	Celtics	24		Mavs		
4	West	Lakers	16		Spurs		
5	West	Mavs	14		Rockets		
6	West	Spurs	19				
7	East	Hawks	23				
8	East	Magic	30				
9	West	Spurs	11				
10	West	Rockets	12				
11	East	Magic	12				
12	East	Celtics	18				
13	West	Rockets	29				
14	East	Bucks	23				
15							
16							
17							
18							
19							

We can see that the formula returned the names of the four unique teams who belong to the West conference:

LakersMavsSpursRockets

Note: You can find the complete documentation for the Excel FILTER function .

Additional Resources

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

How to Select a Random Sample in Excel

ARABPSYCHOLOGY.COM