

How do I create a pie chart in Excel using the count of values?

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=148538>

Creating a pie chart in Excel using the count of values is a simple process that allows you to visually represent data in a clear and concise manner. To create a pie chart, you will need to first organize your data into a table format. Next, select the data you want to use for the pie chart and click on the "Insert" tab. Then, select the "Pie Chart" option and choose the type of pie chart you want to create. Finally, you can customize the chart by adding labels, changing the colors, and adjusting the size. By using the count of values, your pie chart will accurately display the proportion of each value in relation to the whole. This method is useful for analyzing data and presenting it in a visually appealing way.

Excel: Create Pie Chart Using Count of Values

Often you may want to create a pie chart in Excel by using a count of values in a particular column.

For example, suppose you have the following dataset that contains information about various basketball players:

	A	B	C	D	E
1	Team	Points			
2	Mavs	22			
3	Heat	27			
4	Heat	34			
5	Nets	10			
6	Mavs	14			
7	Mavs	19			
8	Mavs	28			
9	Rockets	24			
10	Nets	20			
11	Heat	13			
12	Nets	15			
13					
14					
15					
16					
17					

Suppose you would like to create a pie chart that shows the count of occurrences for each team name.

The following step-by-step example shows how to do so.

Step 1: Enter the Data

First, we'll enter the following dataset into Excel:

	A	B	C	D	E
1	Team	Points			
2	Mavs	22			
3	Heat	27			
4	Heat	34			
5	Nets	10			
6	Mavs	14			
7	Mavs	19			
8	Mavs	28			
9	Rockets	24			
10	Nets	20			
11	Heat	13			
12	Nets	15			
13					
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Step 2: Create a List of Unique Values

Next, we'll use the following formula to create a list of unique team names:

=UNIQUE(A2:A12)

We'll type this formula into cell D2:

	A	B	C	D	E	F
1	Team	Points		Unique Teams		
2	Mavs	22		Mavs		
3	Heat	27		Heat		
4	Heat	34		Nets		
5	Nets	10		Rockets		
6	Mavs	14				
7	Mavs	19				
8	Mavs	28				
9	Rockets	24				
10	Nets	20				
11	Heat	13				
12	Nets	15				
13						
14						
15						
16						
17						
18						

The formula creates a list of unique team names from column A.

Step 3: Count the Occurrences of Each Value

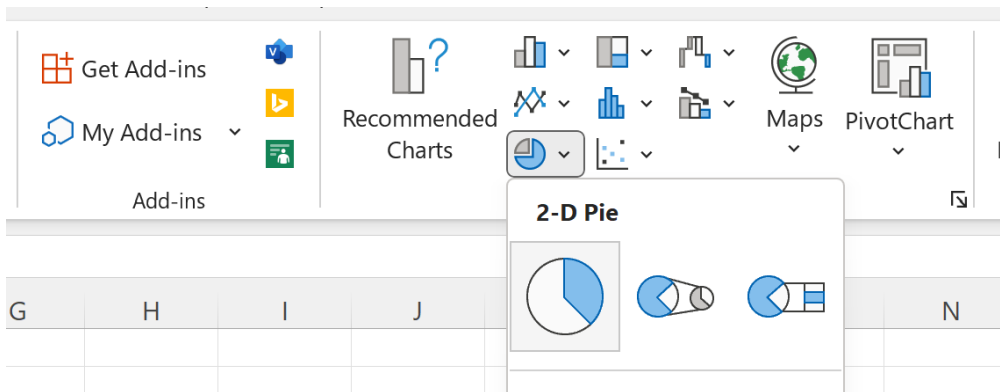
Next, we'll type the following formula into cell E2 to calculate the occurrence of each unique team name:

=COUNTIF(\$A\$2:\$A\$12, D2)

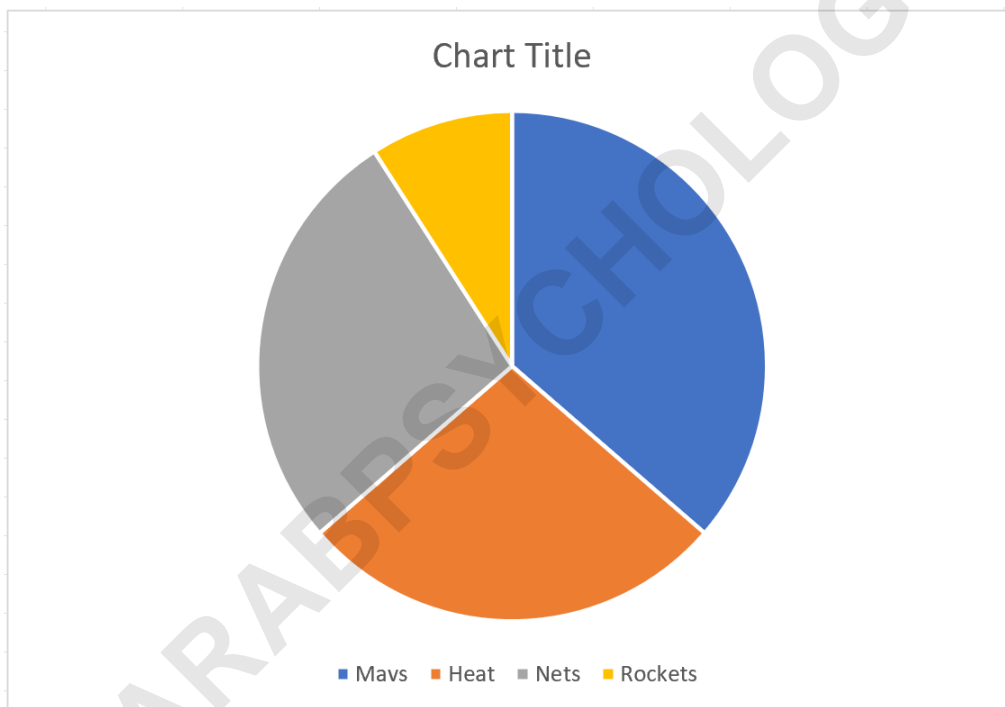
	A	B	C	D	E	F
1	Team	Points		Unique Teams	Count	
2	Mavs	22		Mavs	4	
3	Heat	27		Heat	3	
4	Heat	34		Nets	3	
5	Nets	10		Rockets	1	
6	Mavs	14				
7	Mavs	19				
8	Mavs	28				
9	Rockets	24				
10	Nets	20				
11	Heat	13				
12	Nets	15				
13						
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Step 4: Create the Pie Chart

Lastly, we can highlight the range D2:E5 and then click the Insert tab along the top ribbon, then click the Pie icon within the Charts group:

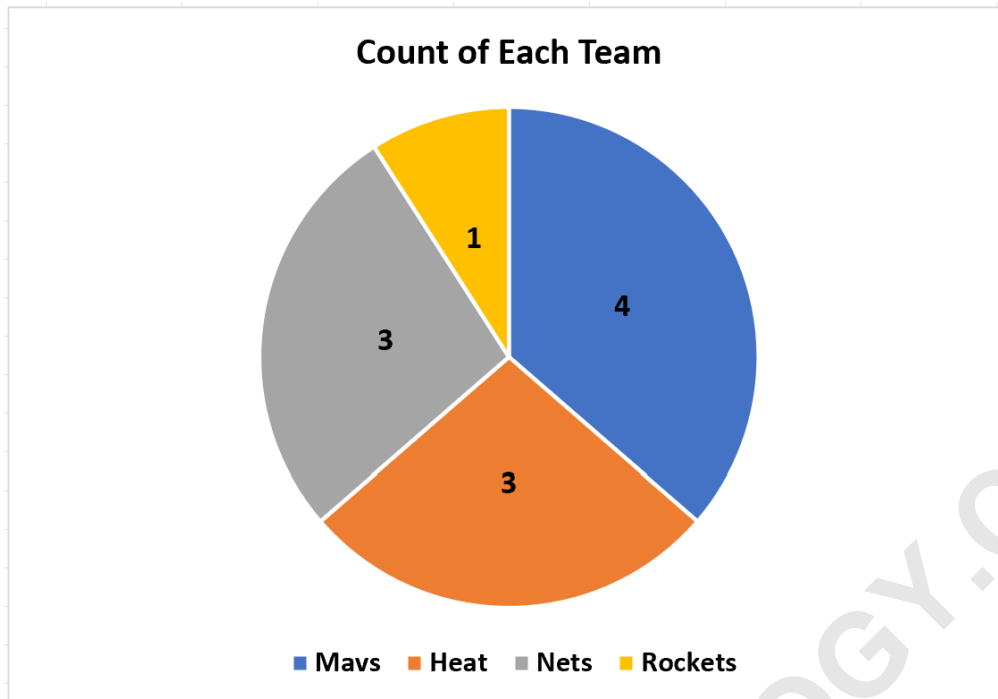


The following pie chart will automatically be created:



The pie chart shows the count of each unique team name in the dataset.

Feel free to customize the pie chart by adding a title and adding data labels:



The numbers within each pie slice show the count of each team name.

The following tutorials explain how to create other common visualizations in Excel: