

How do I create a crosstab in Excel?

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Creating a crosstab in Excel allows you to display the relationship between two or more variables in a table format. This can be useful in analyzing data and identifying patterns or trends. To create a crosstab in Excel, you can use the built-in pivot table function or manually arrange your data in a table format. The crosstab will then automatically calculate and display the data in rows and columns, making it easy to compare and analyze the relationships between the variables. Overall, creating a crosstab in Excel is a simple and effective way to organize and present data in a meaningful way.

Create a Crosstab in Excel (Step-by-Step)

A crosstab is a table that summarizes the relationship between two categorical variables.

The following step-by-step example explains how to create a crosstab in Excel.

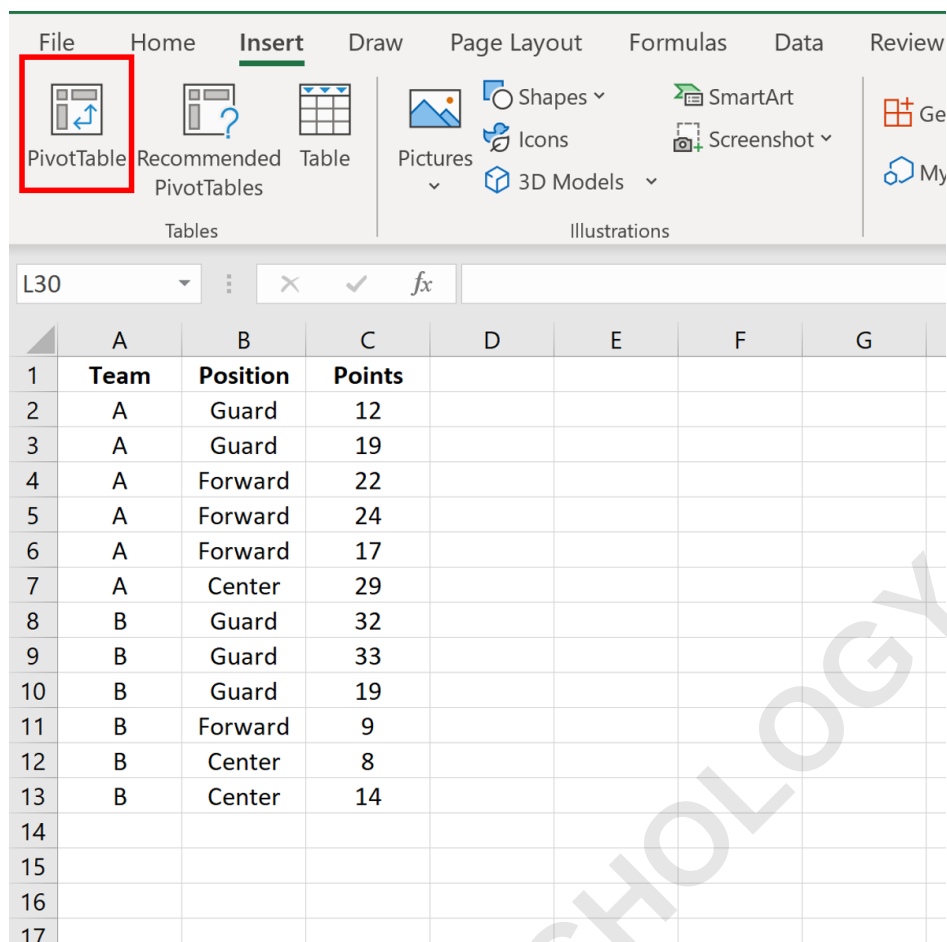
Step 1: Enter the Data

First, let's enter the following dataset into Excel:

	A	B	C	D	E	F	G
1	Team	Position	Points				
2	A	Guard	12				
3	A	Guard	19				
4	A	Forward	22				
5	A	Forward	24				
6	A	Forward	17				
7	A	Center	29				
8	B	Guard	32				
9	B	Guard	33				
10	B	Guard	19				
11	B	Forward	9				
12	B	Center	8				
13	B	Center	14				
14							
15							
16							
17							
18							
19							
20							
21							
22							

Step 2: Create the Crosstab

Next, click the Insert tab along the top ribbon and then click the PivotTable button.



In the new window that appears, select the range that contains the data as the Table/Range and choose any cell you'd like in the Existing Worksheet to place the crosstab. We'll choose cell E2:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Points						
2	A	Guard	12						
3	A	Guard	19						
4	A	Forward	22						
5	A	Forward	24						
6	A	Forward	17						
7	A	Center	29						
8	B	Guard	32						
9	B	Guard	33						
10	B	Guard	19						
11	B	Forward	9						
12	B	Center	8						
13	B	Center	14						
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Create PivotTable

Choose the data that you want to analyze

☒ Select a table or range

Table/Range: Sheet1!\$A\$1:\$C\$13

☐ Use an external data source

Choose Connection...

Connection name:

☐ Use this workbook's Data Model

Choose where you want the PivotTable report to be placed

☐ New Worksheet

☒ Existing Worksheet

Location: Sheet1!\$E\$2

Choose whether you want to analyze multiple tables

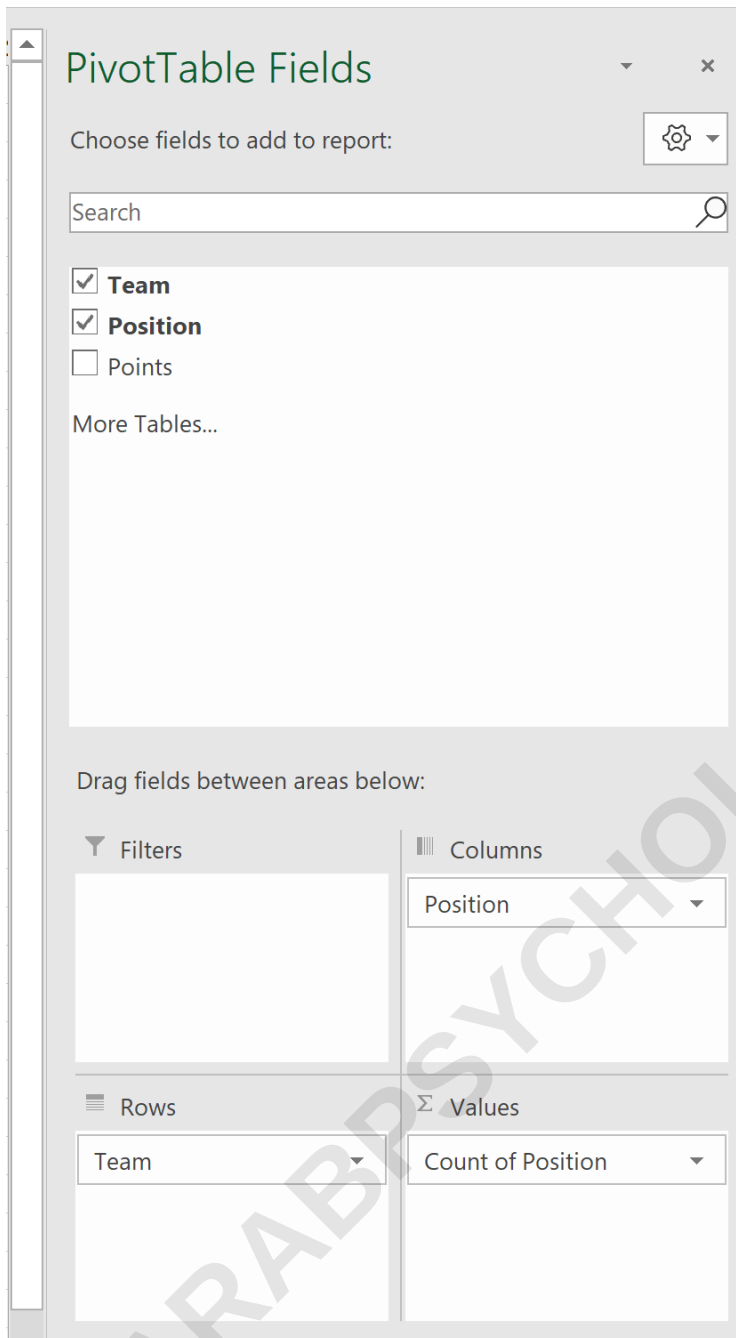
☐ Add this data to the Data Model

OK Cancel

Step 3: Populate the Crosstab with Values

Once you click OK, a new window on the right side of the screen will appear.

Drag the Team variable to the Rows area, the Position variable to the Columns area, then the Position variable again to the Values area as follows:



Once you do so, the following crosstab will appear in the cell that you specified:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Points						
2	A	Guard	12		Count of Position	Column Labels			
3	A	Guard	19		Row Labels	Center	Forward	Guard	Grand Total
4	A	Forward	22		A	1	3	2	6
5	A	Forward	24		B	2	1	3	6
6	A	Forward	17		Grand Total	3	4	5	12
7	A	Center	29						
8	B	Guard	32						
9	B	Guard	33						
10	B	Guard	19						
11	B	Forward	9						
12	B	Center	8						
13	B	Center	14						
14									
15									
16									
17									
18									

Step 4: Interpret the Crosstab

Row Totals:

A total of 6 players are on team A
A total of 6 players are on team B

Column Totals:

A total of 3 players have a position of Center
A total of 4 players have a position of Forward
A total of 5 players have a position of Guard

Individual Cells:

1 player has a position of Center on team A
3 players

have a position of Forward on team A2 players have a position of Guard on team A2 players have a position of Center on team B1 player has a position of Forward on team B3 players have a position of Guard on team B

The following tutorials offer additional information on how to calculate frequencies in Excel:

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