

How can I create a crosstab in Google Sheets?

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RECOMMENDED CITATION

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Creating a crosstab in Google Sheets allows for the efficient organization and analysis of data by displaying it in a matrix format. To create a crosstab, first, open a new sheet in Google Sheets and enter the data you wish to analyze. Next, select the entire data range and go to the "Insert" tab, then choose "Chart." In the "Chart editor" menu, select the "Charts" tab and choose the crosstab option. Customize the crosstab by selecting the data to be displayed in rows and columns, adding labels and titles, and choosing a suitable chart style. Finally, click "Insert" to add the crosstab to your sheet. This feature is useful for visually organizing and understanding complex data sets in a user-friendly manner.

Create a Crosstab in Google Sheets

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

The following step-by-step example shows how to create a crosstab in Google Sheets.

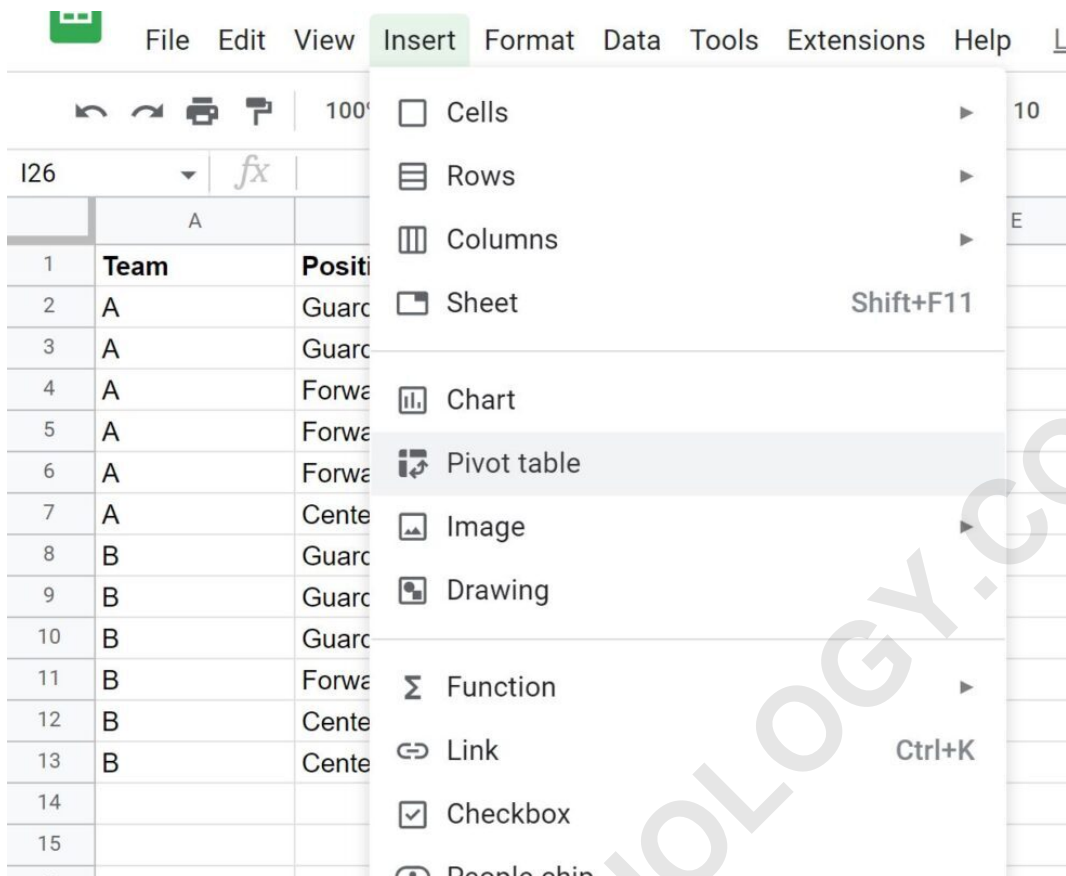
Step 1: Enter the Data

First, let's enter the following dataset into Google Sheets that shows information for various basketball players:

	A	B	C	D	E
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					

Step 2: Create the Crosstab

Next, click the Insert tab along the top ribbon and then click Pivot table from the dropdown menu:



In the new window that appears, enter Sheet1!A1:C13 as the Data range and Sheet1!E1 as the Insert to location, then click Create:

	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							
23							
24							
25							

Create pivot table ✕

Data range
Sheet1!A1:C13 🗎

Insert to

New sheet

Existing sheet

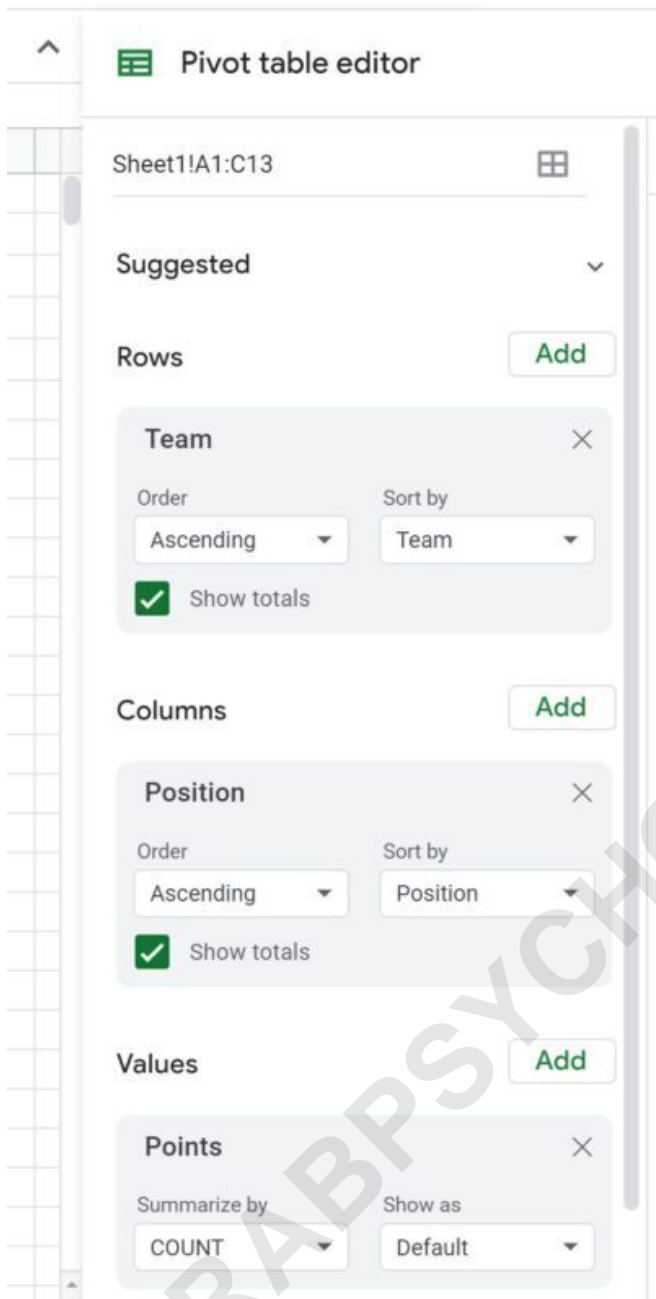
Sheet1!E1 🗎

Cancel Create

Step 3: Populate the Crosstab with Values

Once you click **Create**, a new **Pivot table editor panel** will appear on the right side of the screen.

Choose Team for the Rows, Position for the Columns, and Points for the Values:



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

	E	F	G	H	I	
	<i>COUNT of Points</i>	<i>Position</i>				
<i>Team</i>		Center	Forward	Guard	Grand Total	
A		1	3	2	6	
B		2	1	3	6	
Grand Total		3	4	5	12	

Step 4: Interpret the Crosstab

Row Grand Totals:

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

Column Grand 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

Additional Resources

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

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