

How to Calculate the Median in a Google Sheets Pivot Table

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=126164>

To calculate the median in a pivot table using Google Sheets, you can first select the data you want to use in the pivot table. Then, click on the "Data" tab and select "Pivot table" from the drop-down menu. In the pivot table editor, select the column or data field that you want to find the median for. Next, click on the "Summarize by" drop-down menu and select "Median" as the calculation type. This will automatically calculate the median for the selected data field in the pivot table. You can also adjust the pivot table settings to show the median for different groups or categories within the data.

The following step-by-step example shows how to create a pivot table in Google Sheets that displays the median value of a certain variable.

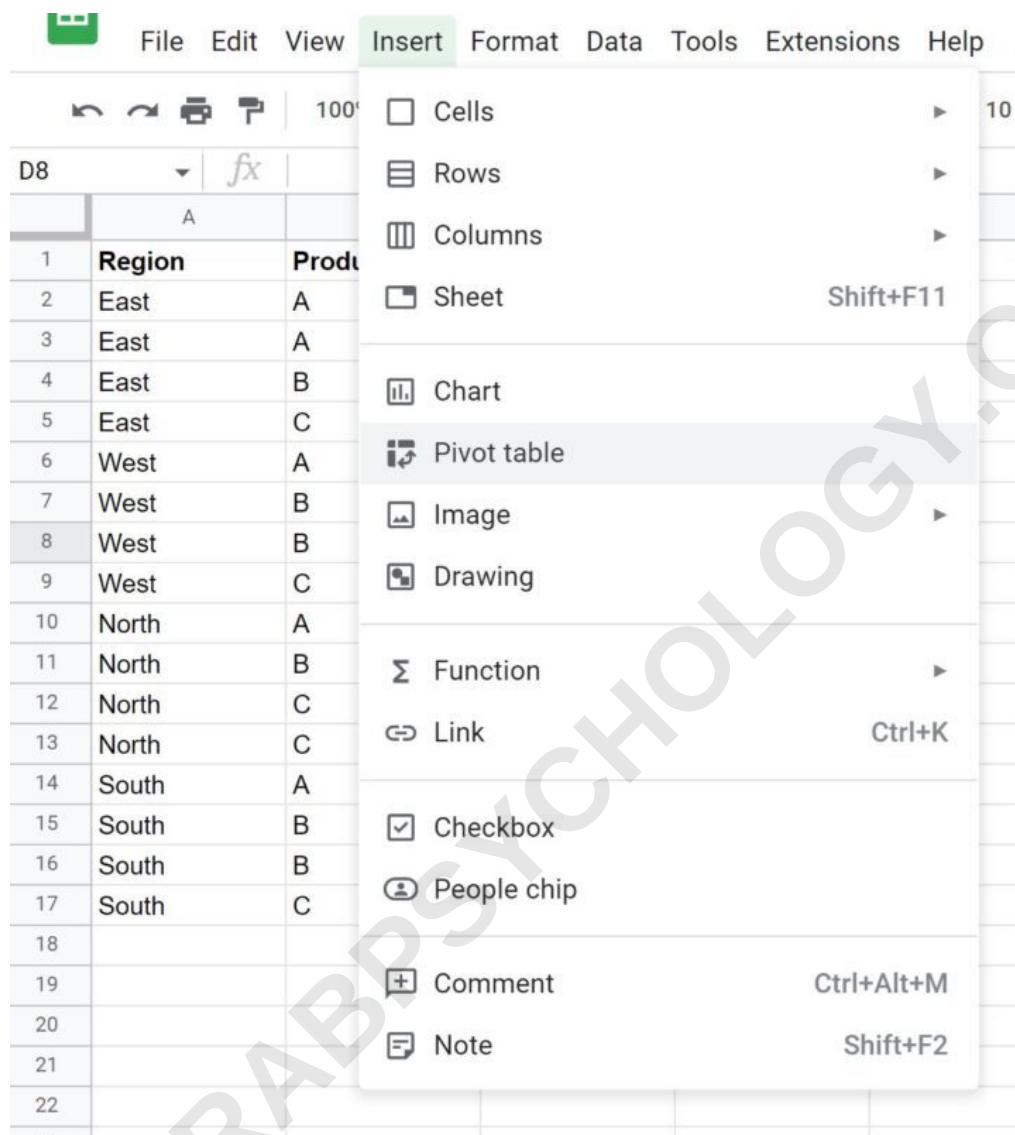
Step 1: Enter the Data

First, let's enter the following data that shows the total revenue generated by certain products in certain regions for some company:

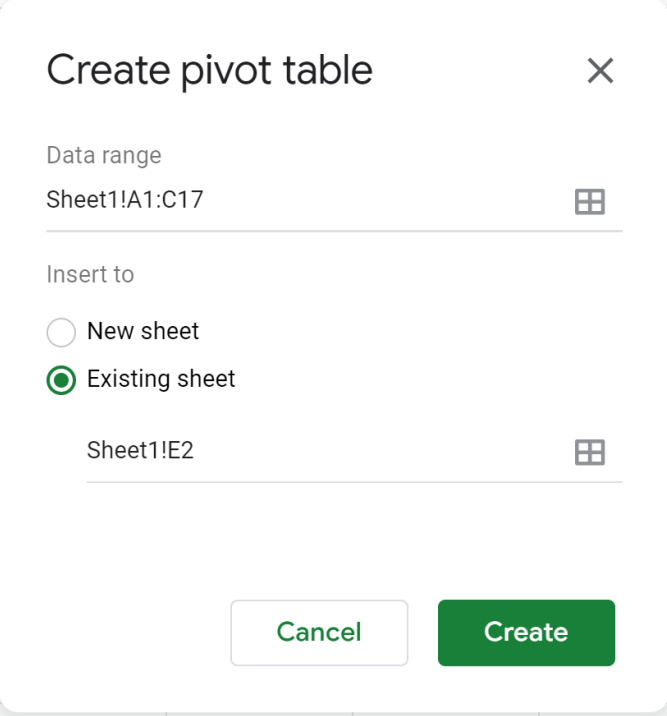
	A	B	C	D	E
1	Region	Product	Revenue		
2	East	A	10		
3	East	A	6		
4	East	B	8		
5	East	C	14		
6	West	A	10		
7	West	B	19		
8	West	B	22		
9	West	C	14		
10	North	A	18		
11	North	B	8		
12	North	C	4		
13	North	C	7		
14	South	A	7		
15	South	B	11		
16	South	B	13		
17	South	C	8		
18					
19					
20					
21					

Step 2: Create the Pivot Table

To create a pivot table that summarizes this dataset, click the **Insert** tab and then click **Pivot table**:



In the window that appears, type **Sheet1!A1:C17** as the Data range and choose to insert the pivot table in the **Existing sheet** in cell **E2**:



Create pivot table ✕

Data range
Sheet1!A1:C17

Insert to

☐ New sheet

☒ Existing sheet

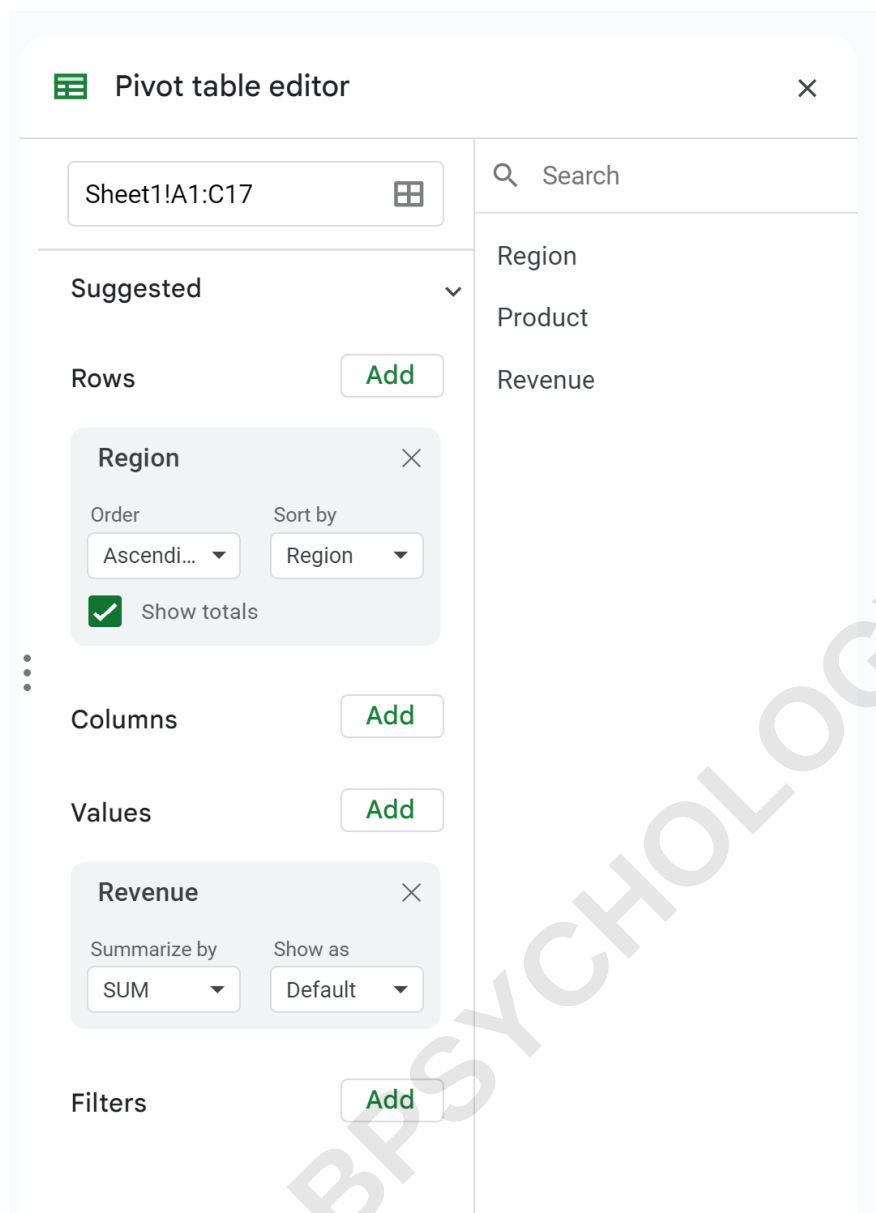
Sheet1!E2

Cancel Create

Once you click **Create**, an empty pivot table will automatically be inserted.

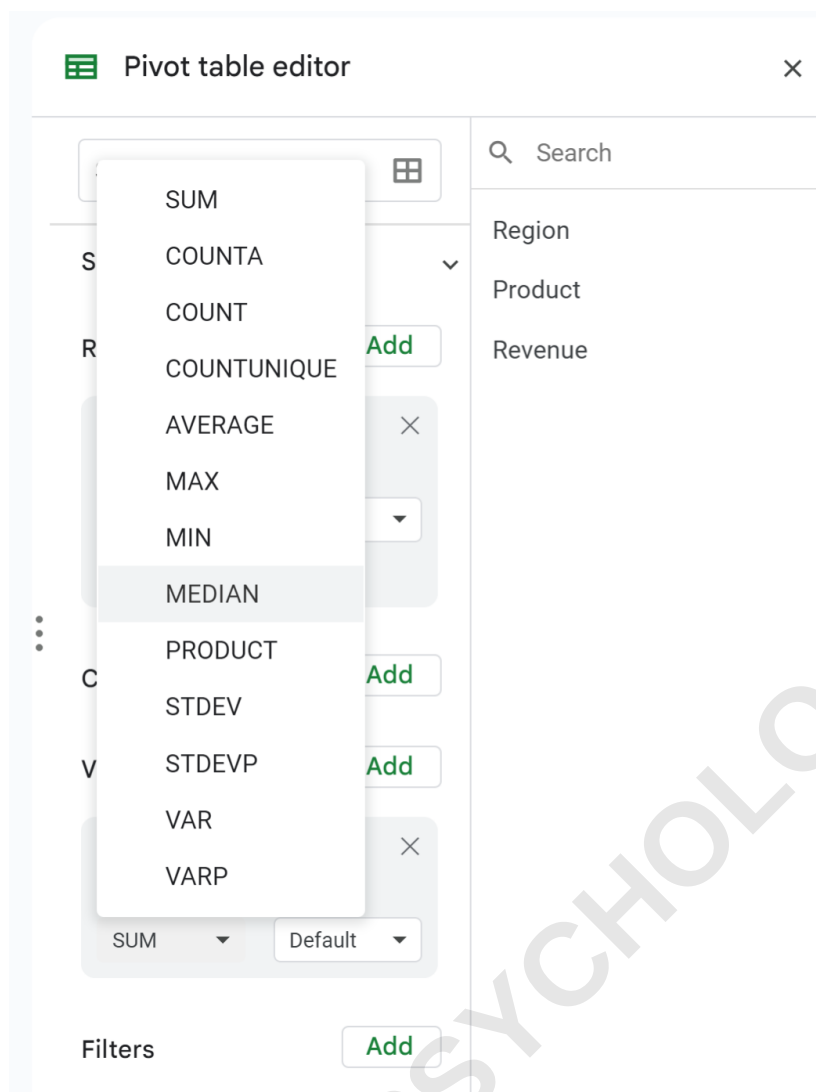
In the **Pivot table editor** that appears on the right side of the screen, click **Add** next to **Rows** and choose **Region**.

Then click **Add** next to **Values** and choose **Revenue**:



By default, the pivot table will attempt to summarize the Revenue values by using **SUM**.

To instead display the **MEDIAN** of Revenue, click the dropdown arrow under **Summarize by** and click **MEDIAN**:



The pivot table will update to show the median value of Revenue for each Region:

	A	B	C	D	E	F
1	Region	Product	Revenue			
2	East	A	10		<i>Region</i>	MEDIAN of Revenue
3	East	A	6		East	9
4	East	B	8		North	7.5
5	East	C	14		South	9.5
6	West	A	10		West	16.5
7	West	B	19		Grand Total	10
8	West	B	22			
9	West	C	14			
10	North	A	18			
11	North	B	8			
12	North	C	4			
13	North	C	7			
14	South	A	7			
15	South	B	11			
16	South	B	13			
17	South	C	8			
18						
19						

For example, we can see:

The median value in the Revenue column for the East Region is **9**.

The median value in the Revenue column for the North Region is **7.5**.

And so on.