

How can Excel be used to calculate the mode in a pivot table?

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Excel is a powerful tool that can be used to perform various statistical calculations, including finding the mode in a pivot table. The mode is the most frequently occurring value in a data set and can provide valuable insights into the distribution of the data. In Excel, a pivot table can be created to organize and summarize large amounts of data. Within this pivot table, the mode can be calculated by selecting the desired data column, navigating to the "Analyze" tab, and choosing the "Field Settings" option. From there, the "Summarize Values By" option can be selected, and the mode function can be chosen to calculate the most common value. By utilizing Excel's pivot table and mode function, users can efficiently and accurately find the mode of their data.

Excel: Calculate the Mode in a Pivot Table

Often you may want to calculate the mode in an Excel pivot table.

Unfortunately Excel doesn't have a built-in feature to calculate the mode, but you can use a MODE IF function as a workaround.

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

Related:

Step 1: Enter the Data

First, let's enter the following data that shows the points scored by basketball players on various teams:

	A	B	C	D	E	F
1	Team	Points				
2	Mavs	22				
3	Mavs	19				
4	Spurs	40				
5	Mavs	31				
6	Mavs	27				
7	Rockets	14				
8	Spurs	16				
9	Spurs	9				
10	Kings	12				
11	Rockets	20				
12	Kings	25				
13	Kings	28				
14						
15						
16						
17						
18						
19						
20						

Step 2: Calculate the Mode by Group

Next, we can use the following formula to calculate the mode for the points value for each team:

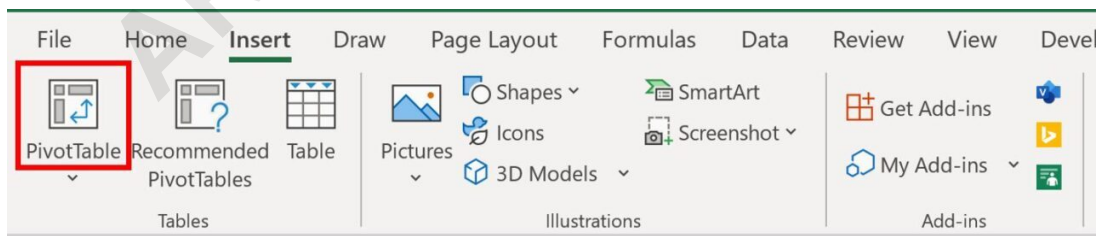
=MODE(IF(\$A\$2:\$B\$13=A2,\$B\$2:\$B\$13))

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

	A	B	C	D	E	F	G
1	Team	Points	Mode of Points				
2	Mavs	22	22				
3	Mavs	22	22				
4	Spurs	40	16				
5	Mavs	31	22				
6	Mavs	27	22				
7	Rockets	14	28				
8	Spurs	16	16				
9	Spurs	9	16				
10	Rockets	28	28				
11	Rockets	20	28				
12	Spurs	16	16				
13	Rockets	28	28				
14							
15							
16							
17							
18							
19							

Step 3: Create the Pivot Table

To create a pivot table, click the Insert tab along the top ribbon and then click the PivotTable icon:



In the new window that appears, choose A1:C13 as the range and choose to place the pivot table in cell E1 of

the existing worksheet:

	A	B	C	D	E	F	G	H	I	J
1	Team	Points	Mode of Points							
2	Mavs	22	22							
3	Mavs	22	22							
4	Spurs	40	16							
5	Mavs	31	22							
6	Mavs	27	22							
7	Rockets	14	28							
8	Spurs	16	16							
9	Spurs	9	16							
10	Rockets	28	28							
11	Rockets	20	28							
12	Spurs	16	16							
13	Rockets	28	28							
14										
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21										
22										
23										
24										
25										

PivotTable from table or range

Select a table or range

Table/Range: A1:C13

Choose where you want the PivotTable to be placed

New Worksheet

Existing Worksheet

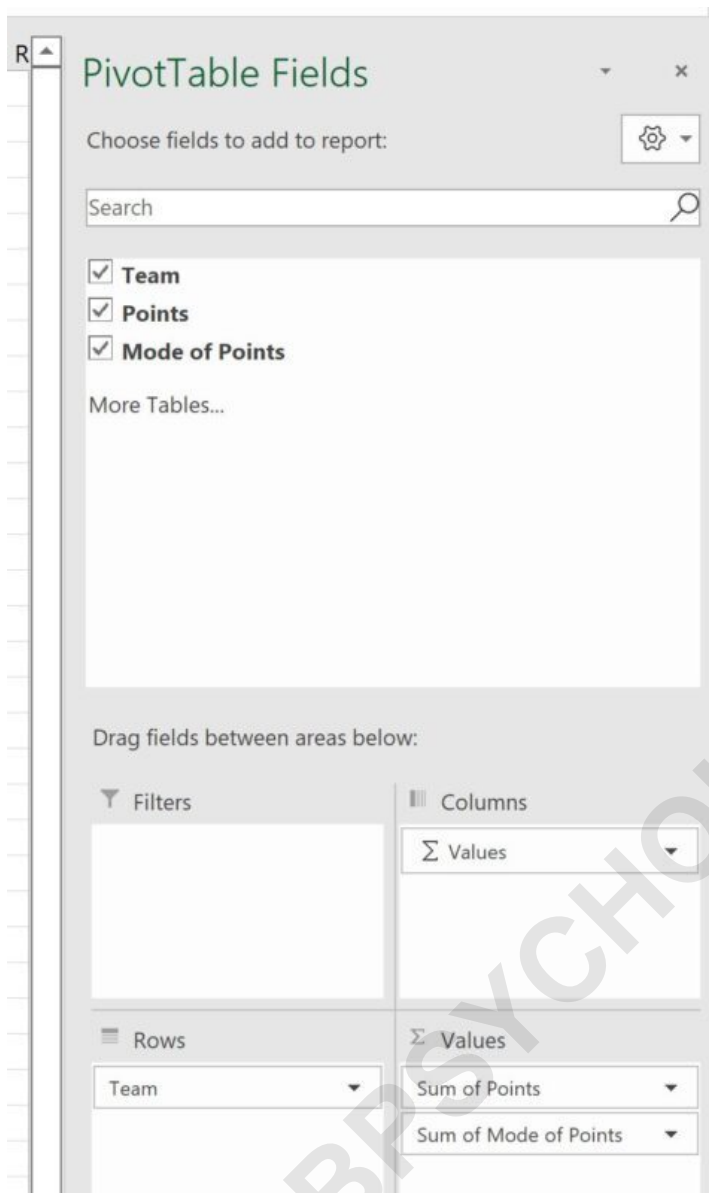
Location: E1

Choose whether you want to analyze multiple tables

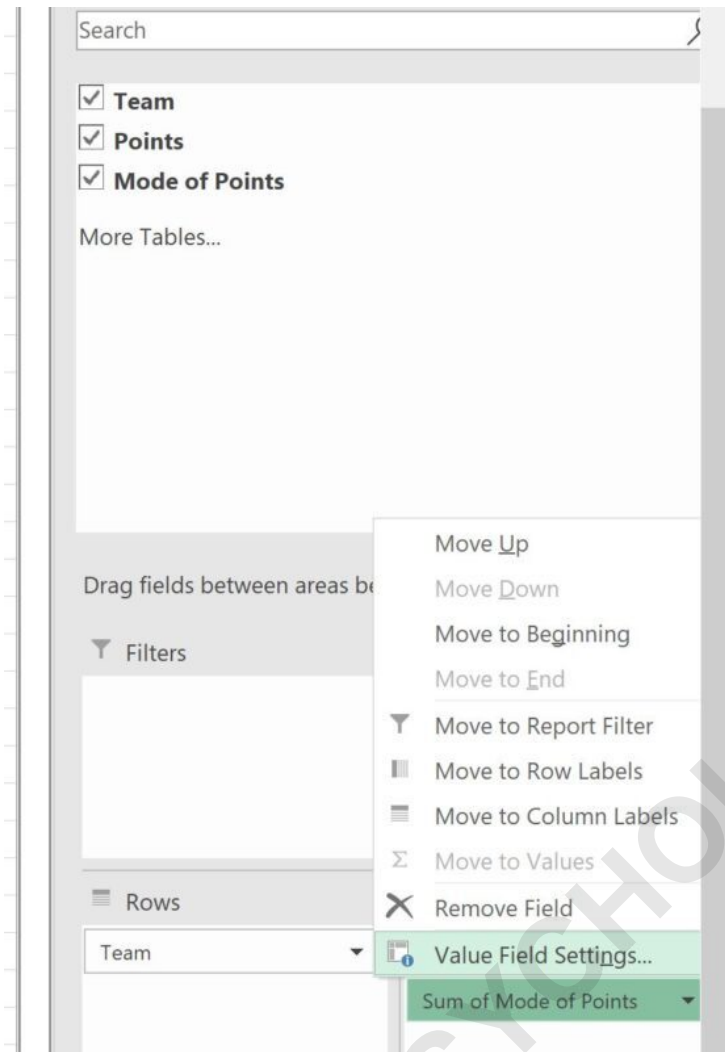
Add this data to the Data Model

OK Cancel

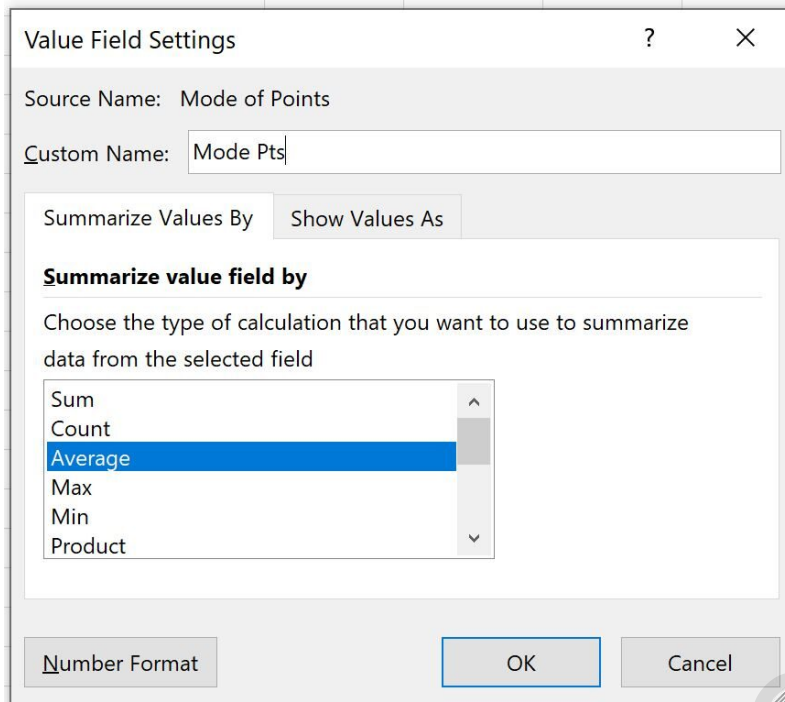
Drag the Team field to the Rows box, then drag the Points and Mode of Points fields to the Values box:



Next, click the Sum of Mode Points dropdown arrow and then click Value Field Settings:



In the new window that appears, change the Custom Name to Mode Pts and then click Average as the summarize value:



Once you click OK, the mode number of points scored for each team will be added to the pivot table:

	A	B	C	D	E	F	G
1	Team	Points	Mode of Points		Row Labels	Sum of Points	Mode Pts
2	Mavs	22	22		Mavs	102	22
3	Mavs	22	22		Rockets	90	28
4	Spurs	40	16		Spurs	81	16
5	Mavs	31	22		Grand Total	273	22
6	Mavs	27	22				
7	Rockets	14	28				
8	Spurs	16	16				
9	Spurs	9	16				
10	Rockets	28	28				
11	Rockets	20	28				
12	Spurs	16	16				
13	Rockets	28	28				
14							
15							
16							
17							
18							
19							
20							

The pivot table now contains the following information:

**Each unique team name
The sum of points scored by each team
The mode number of points scored by each team**

Additional Resources

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