

Frequency Distribution in Excel

Did you know that you can use pivot tables to easily create a frequency distribution in Excel? You can also use the Analysis Toolpak to create a [histogram](#).

Remember, our data set consists of 213 records and 6 fields. Order ID, Product, Category, Amount, Date and Country.

	A	B	C	D	E	F	G	H
1	Order ID	Product	Category	Amount	Date	Country		
2	1	Carrots	Vegetables	\$4,270	1/6/2024	United States		
3	2	Broccoli	Vegetables	\$8,239	1/7/2024	United Kingdom		
4	3	Banana	Fruit	\$617	1/8/2024	United States		
5	4	Banana	Fruit	\$8,384	1/10/2024	Canada		
6	5	Beans	Vegetables	\$2,626	1/10/2024	Germany		
7	6	Orange	Fruit	\$3,610	1/11/2024	United States		
8	7	Broccoli	Vegetables	\$9,062	1/11/2024	Australia		
9	8	Banana	Fruit	\$6,906	1/16/2024	New Zealand		
10	9	Apple	Fruit	\$2,417	1/16/2024	France		
11	10	Apple	Fruit	\$7,421	1/16/2024	Canada		

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First, [insert a pivot table](#). Next, drag the following fields to the different areas.

1. Amount field to the Rows area.
2. Amount field (or any other field) to the Values area.



<input type="checkbox"/> Order ID	
<input type="checkbox"/> Product	
<input type="checkbox"/> Category	
<input checked="" type="checkbox"/> Amount	
<input type="checkbox"/> Date	
<input type="checkbox"/> Country	

Drag fields between areas below:

▼ Filters	 Columns

☰ Rows	Σ Values
<input type="text" value="Amount"/>	<input type="text" value="Sum of Amount..."/>

Defer Layout Update

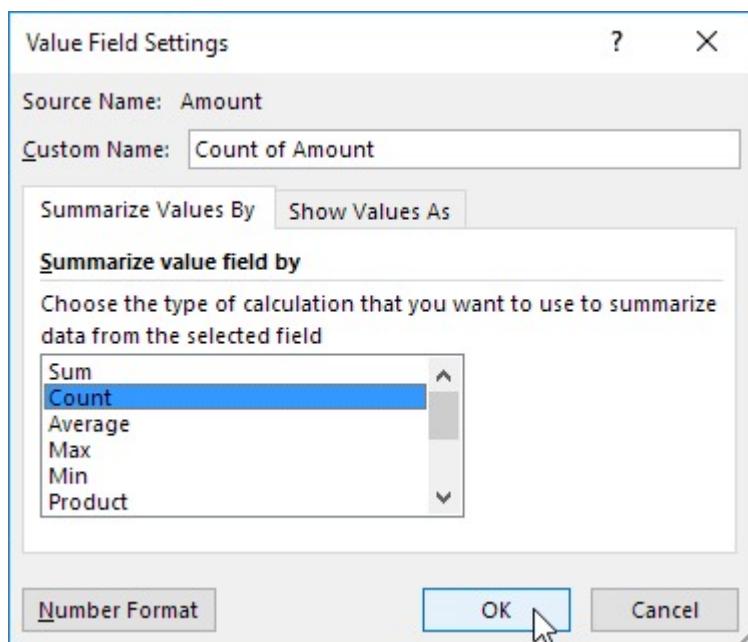
3. Click any cell inside the Sum of Amount column.

4. Right click and click on Value Field Settings.

	A	B	C	D	E
1					
2					
3	Row Labels	Sum of Amount			
4	\$107	107			
5	\$135	135			
6	\$136	136			
7	\$220	220			
8	\$235	235			
9	\$277				
10	\$284				
11	\$330				
12	\$339				
13	\$352				
14	\$424				
15	\$474				
16	\$521				
17	\$592				
18	\$607				
19	\$617				
20	\$680				
21	\$682				
22	\$793				
23	\$850				
24	\$852				
25	\$859				
26	\$958	958			
27	\$1,002	1002			
28	\$1,004	1004			

29	\$1,054	1054		
30	\$1,112	1112		

5. Choose Count and click OK.



6. Next, click any cell inside the column with Row Labels.

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7. Right click and click on Group.

A	B	C	D	E
1				
2				
3	Row Labels ▾ Count of Amount			
4	\$107	1		
5	\$135	1		
6	\$136	1		
7	\$220	1		
8	\$235	1		
9	\$277	1		
10	\$284	1		
11	\$330	1		
12	\$339	1		
13	\$352	1		

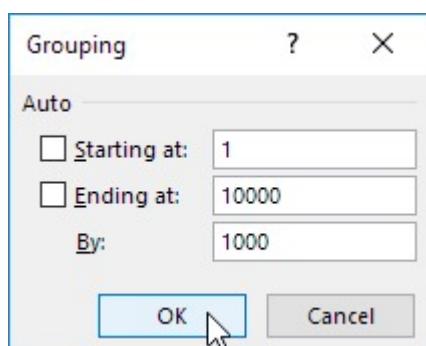
14	\$424
15	\$474
16	\$521
17	\$592
18	\$607
19	\$617
20	\$680
21	\$682
22	\$793
23	\$850
24	\$852
25	\$859
26	\$958
27	\$1,002
28	\$1,004
29	\$1,054
30	\$1,113
31	\$1,129

A context menu is open over the last row of the table. The menu items are:

- Format Cells...
- Refresh
- Sort ▾
- Filter ▾
- Subtotal "Amount" (checked)
- Expand/Collapse ▾
- Group... (highlighted)
- Ungroup...
- Move ▾
- Remove "Amount"
- Field Settings...
- PivotTable Options...
- Hide Field List

8. Enter 1 for Starting at, 10000 for Ending at, and 1000 for By.

9. Click OK.



Result:

	A	B	C
1			
2			
3	Row Labels ▾	Count of Amount	
4	1-1000	23	
5	1001-2000	19	
6	2001-3000	22	
7	3001-4000	19	
8	4001-5000	27	
9	5001-6000	25	
10	6001-7000	17	
11	7001-8000	26	
12	8001-9000	23	
13	9001-10000	12	
14	Grand Total	213	
15			

To easily compare these numbers, create a pivot chart.

10. Click any cell inside the pivot table.

11. On the PivotTable Analyze tab, in the Tools group, click PivotChart.

The Insert Chart dialog box appears.

12. Click OK.

Result:

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- [frequency-distribution.xlsx](#)
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