

# How do I add a quadratic trendline in Excel?

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## RECOMMENDED CITATION

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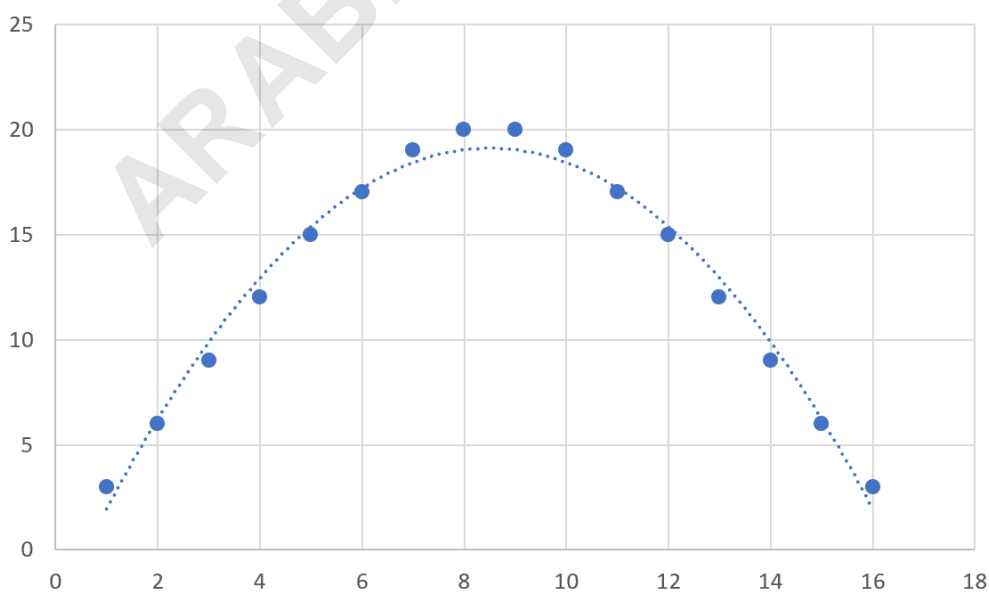
To add a quadratic trendline in Excel, follow these steps:

1. Select the data points you want to plot on the graph.
2. Go to the "Insert" tab and click on "Recommended Charts."
3. In the "Charts" tab, click on "All Charts" and select "Scatter."
4. Choose the first scatter plot option.
5. Right-click on any data point and click on "Add Trendline."
6. In the "Format Trendline" window, under "Trendline Options," select "Polynomial."
7. In the "Order" field, enter "2" for a quadratic trendline.
8. Check the box next to "Display Equation on Chart" to show the equation for the trendline.
9. Click "Close" to add the trendline to your chart.

This process will add a quadratic trendline to your data points, allowing you to visualize the relationship between the variables in a curved fashion. It can be useful in analyzing data and making predictions based on the trendline equation.

## Add a Quadratic Trendline in Excel (Step-by-Step)

**If the relationship between two variables is quadratic, then you can use a quadratic trendline to capture their relationship in a plot.**



**This tutorial provides a step-by-step example of how to add a quadratic trendline to a scatterplot in Excel.**

### Step 1: Create the Data

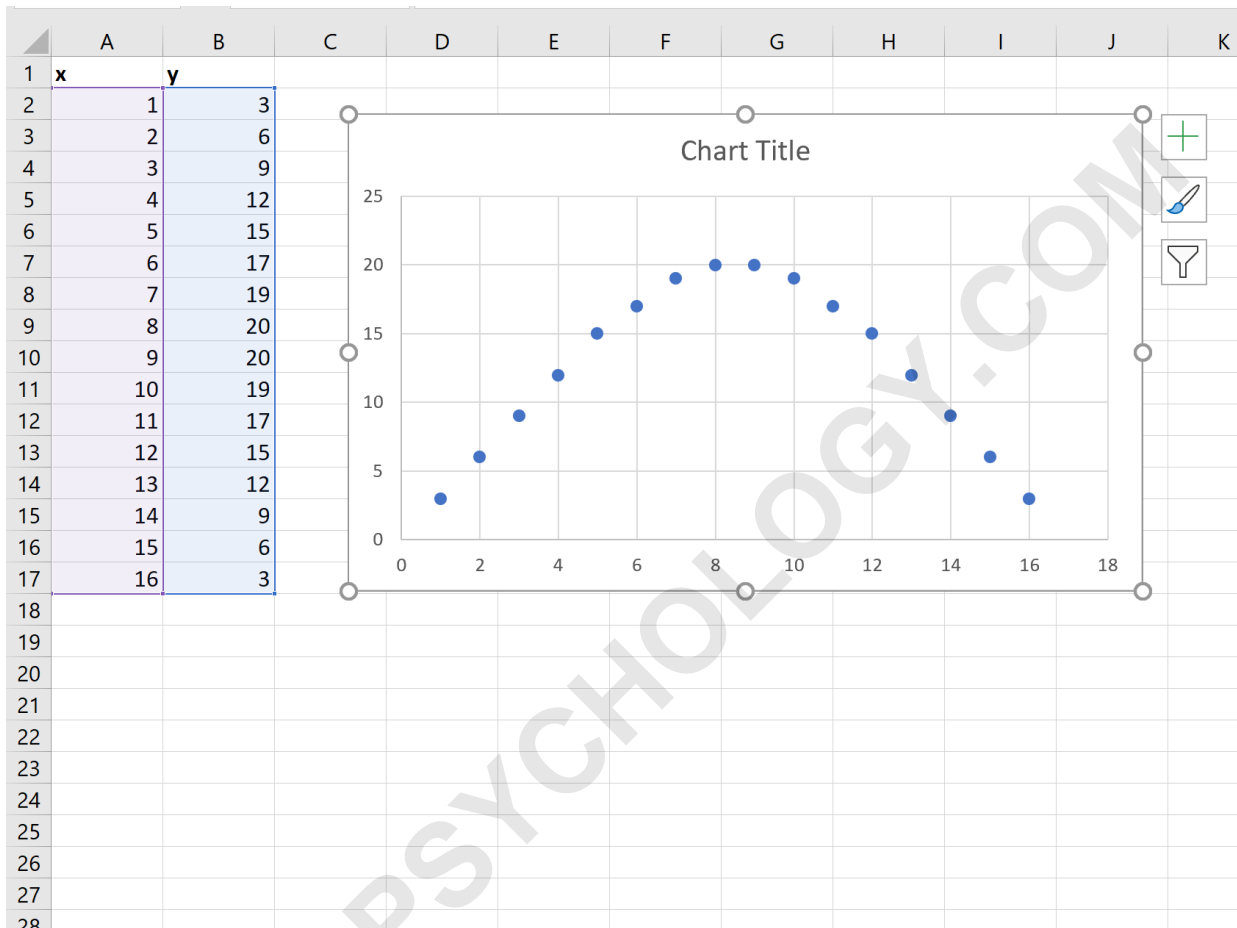
**First, let's create some data to work with:**

	A	B	C	D	E	F	G
1	x	y					
2		1	3				
3		2	6				
4		3	9				
5		4	12				
6		5	15				
7		6	17				
8		7	19				
9		8	20				
10		9	20				
11		10	19				
12		11	17				
13		12	15				
14		13	12				
15		14	9				
16		15	6				
17		16	3				
18							
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21							
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23							
24							
25							

### Step 2: Create a Scatterplot

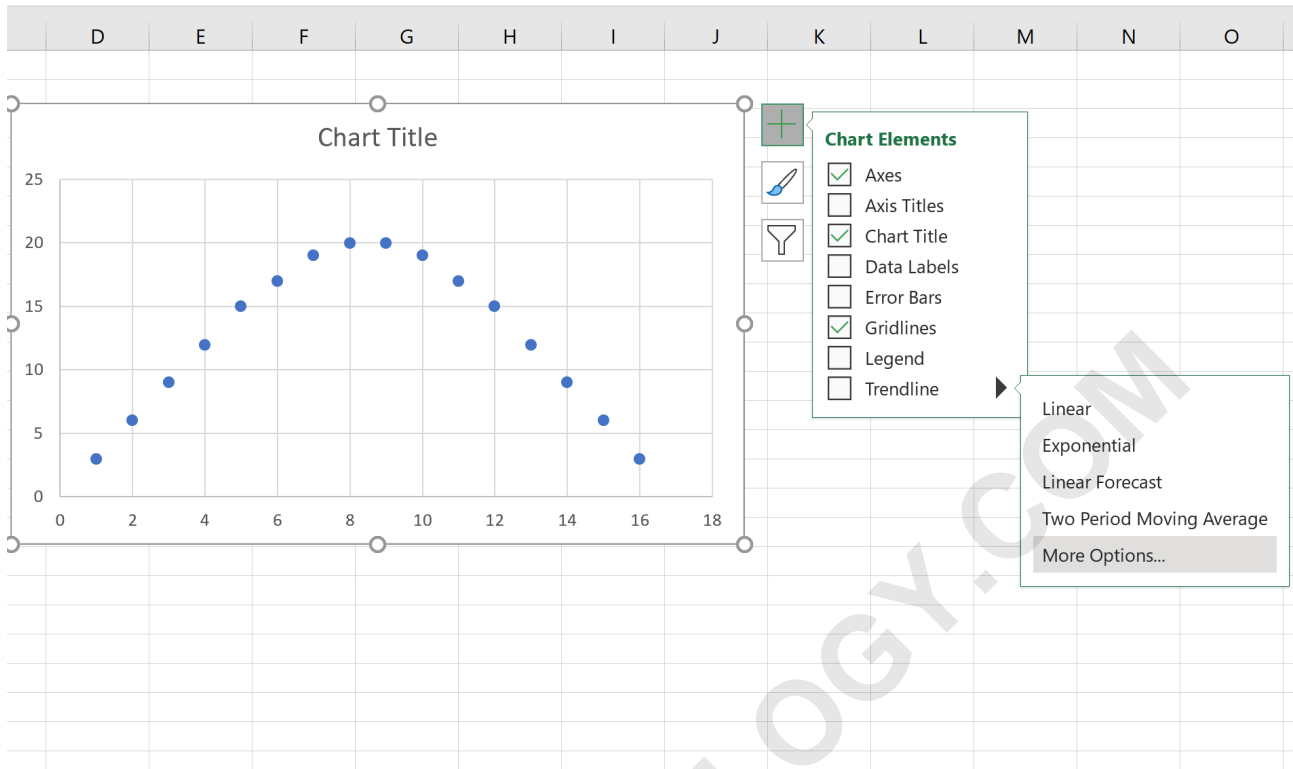
**Next, highlight cells A2:B17. Click the Insert tab along the top ribbon, then click the first chart option under Insert Scatter in the Charts group.**

The following scatterplot will automatically be displayed:

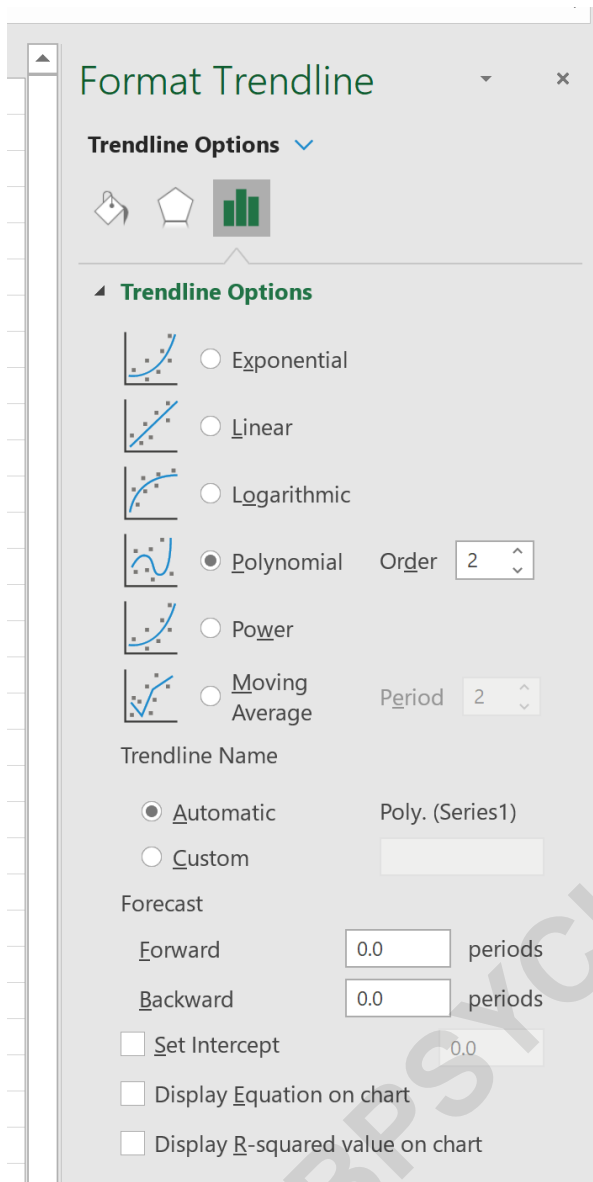


### Step 3: Add the Quadratic Trendline

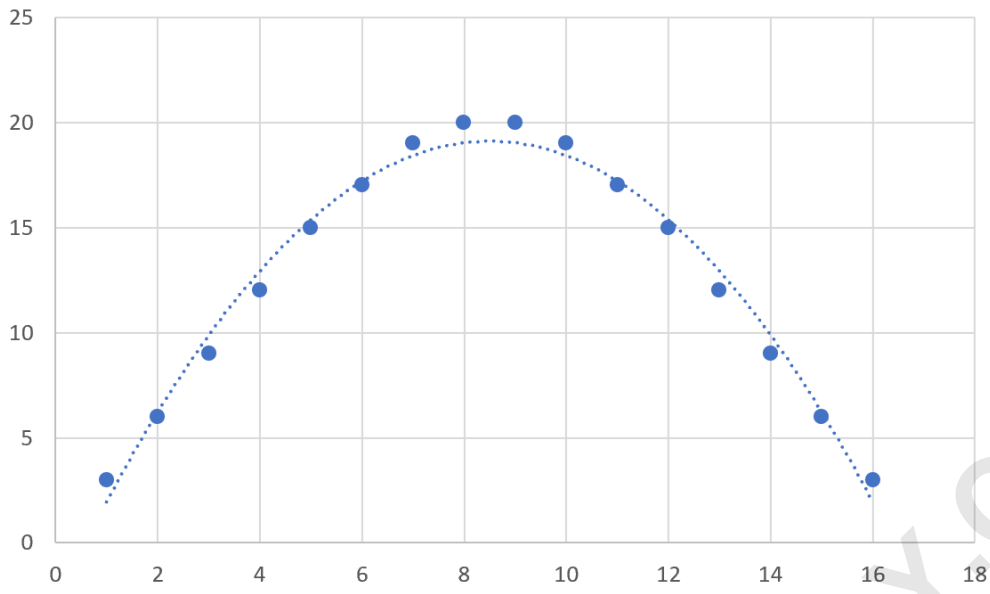
Next, click the green plus "+" sign in the top right corner of the plot. Click the arrow to the right of Trendline, then click More Options.



**In the window that appears to the right, click Polynomial and select 2 for Order:**



**The following quadratic trendline will automatically be displayed on the chart:**



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