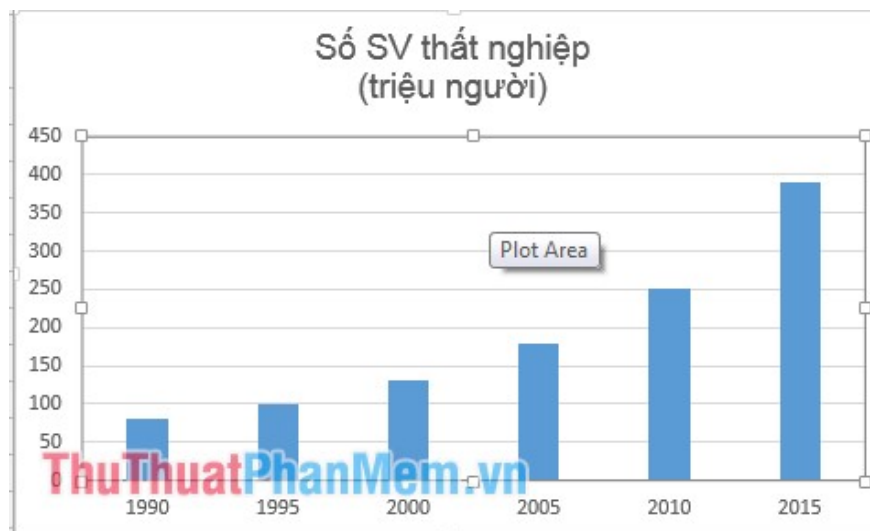


Add trend lines, moving averages to charts in Excel

Add trend lines, moving averages to charts in Excel. To make the conjecture easy and high accuracy, people often use trendlines to predict future trends.

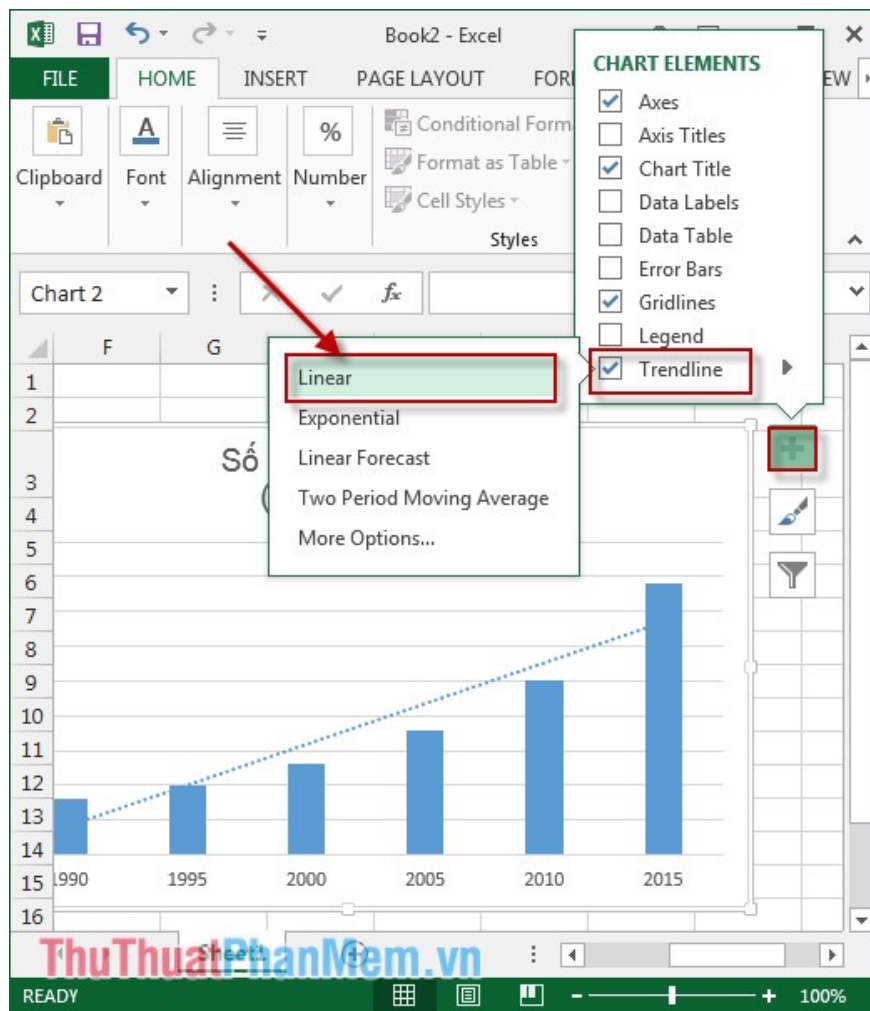
The purpose of charting is to clarify the numbers from which comments and conjectures are made through these figures. To make the conjecture easy and high accuracy, people often use trendlines to predict future trends. Therefore, the following article shows how to add a trend line or moving average to a chart.

For example, you want to add a trendline and moving average to the following chart:



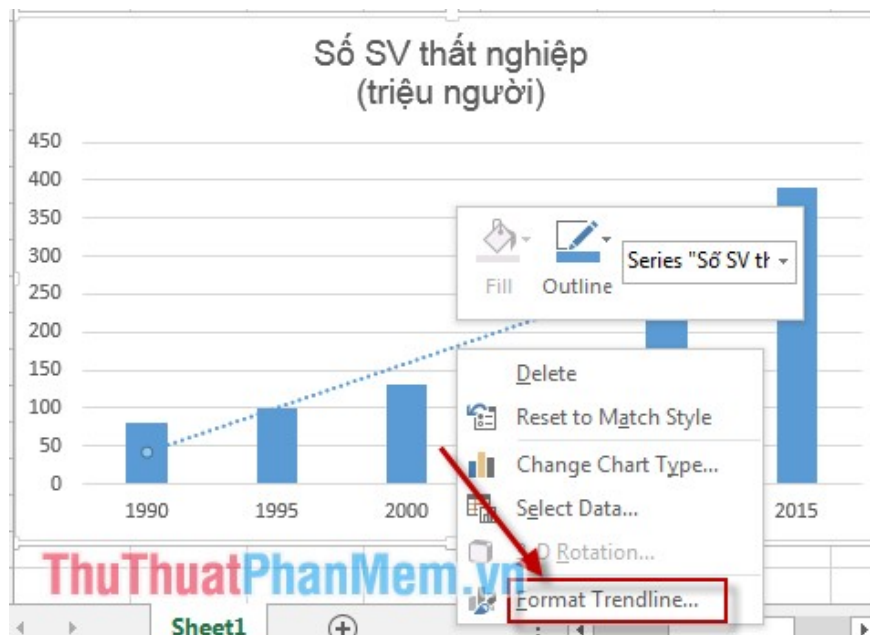
1. Add the trend line to the graph

Step 1: Move to the chart, click the plus icon -> **Trendline** -> **Linear** .

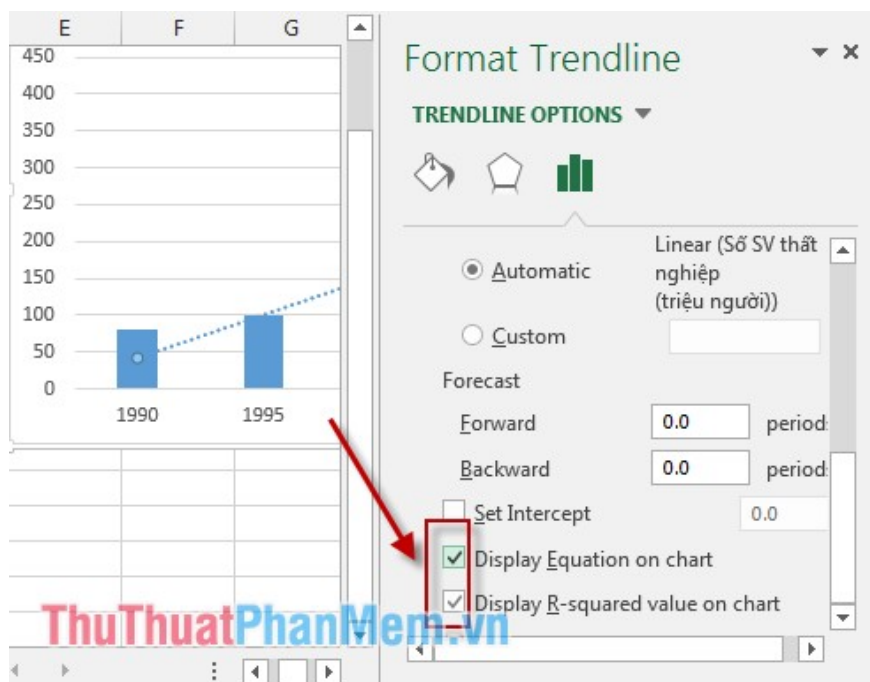


To identify and predict future unemployment trends continue to do the following:

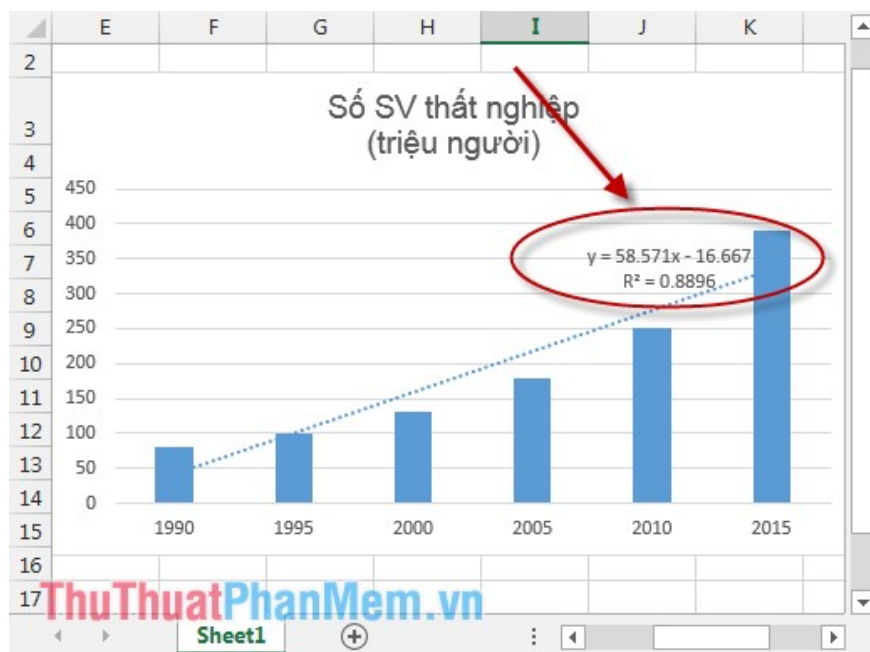
Step 2: Click the trendline -> right-click and select **Format Trendline** .



Step 3: The dialog box appears on the **Display Equation on chart** and **Display R- Squared value on chart** .



After you tick on the trend line appear the equation and R.



- Where the equation $y = 58.57x - 16.667$ is a functional equation of the **Trendline** trendline .

- $R^2 = 0.8896$ proves that the **Trendline** equation is very accurate -> high reliability.

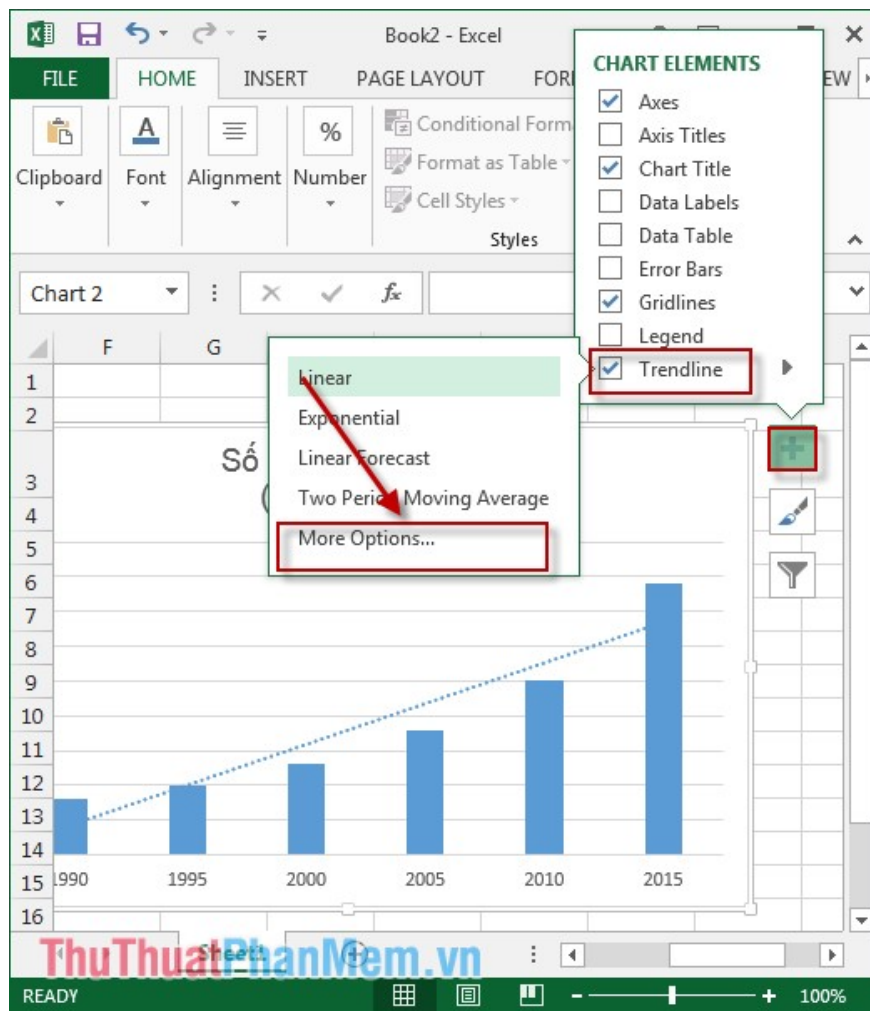
- From the function equation of the Trendline line, you can predict the number of unemployed graduates in 2020. In the data sheet above 2020, if included in the 6th row => $x = 6$ instead of Trendline equation, $y = 334,753$ => In 2020, there will be approximately 335 students who graduate without unemployment if their current situation does not improve.

Thus, thanks to the trend line, you can predict the future development trend and can especially predict how that number will be in the future. From there can take remedies to prevent that situation from happening.

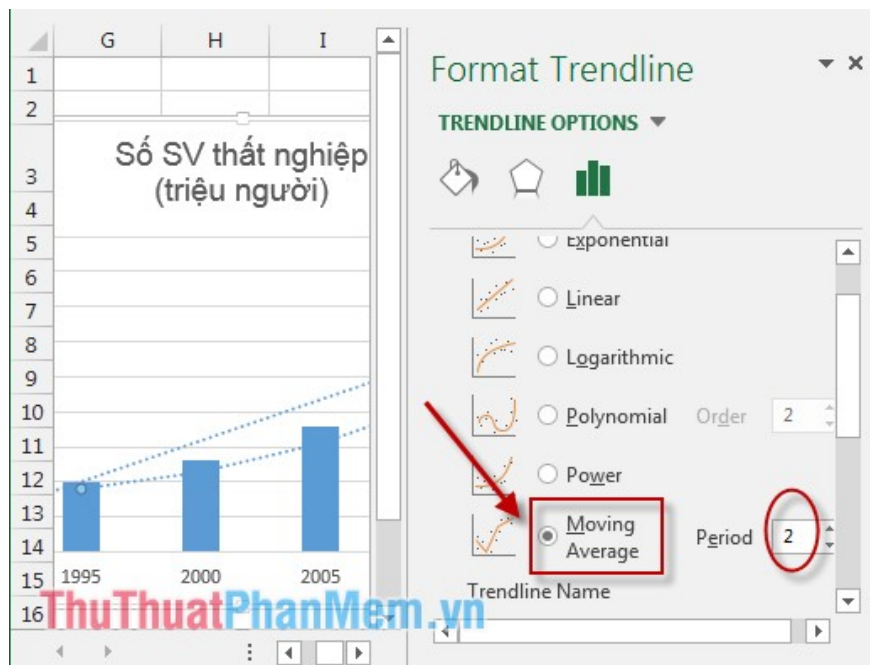
2. Add the moving average to the graph

To calculate the average value over the years, the average moving average has been used to clarify the increase or decrease of the average value, whether there have been any changes in the average over the years.

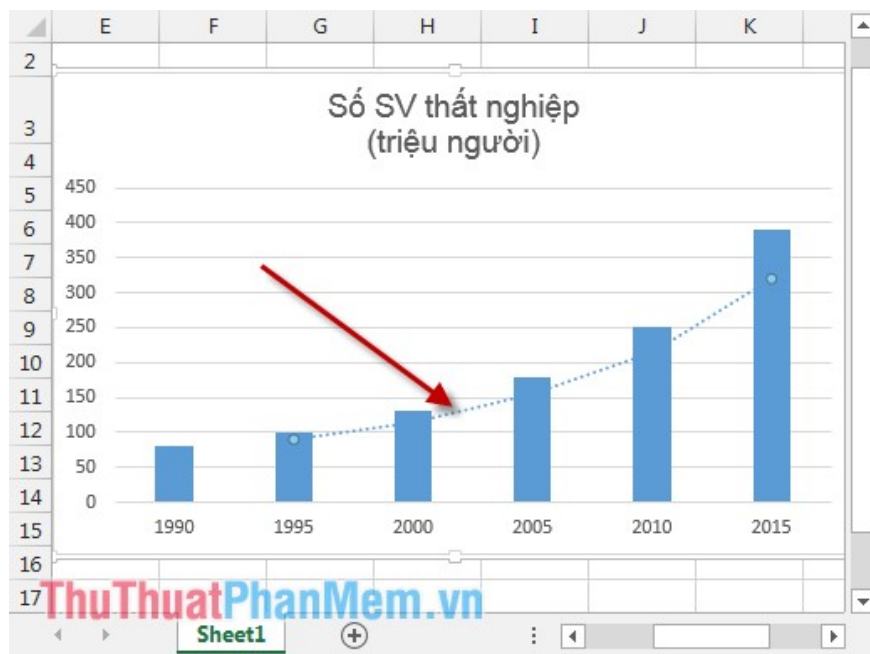
Step 1: Click the graph -> Select the plus icon -> select **Trendline** -> select **More options** .



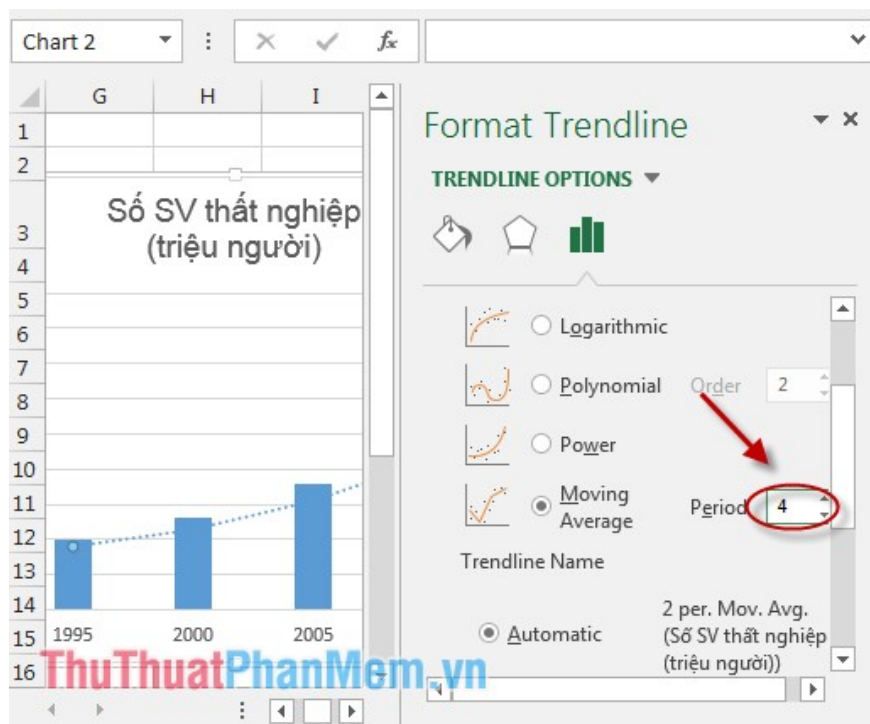
Step 2: Check the **Moving Average** item and select 2 in the **Period** section (choose the comparative value in 2 years).



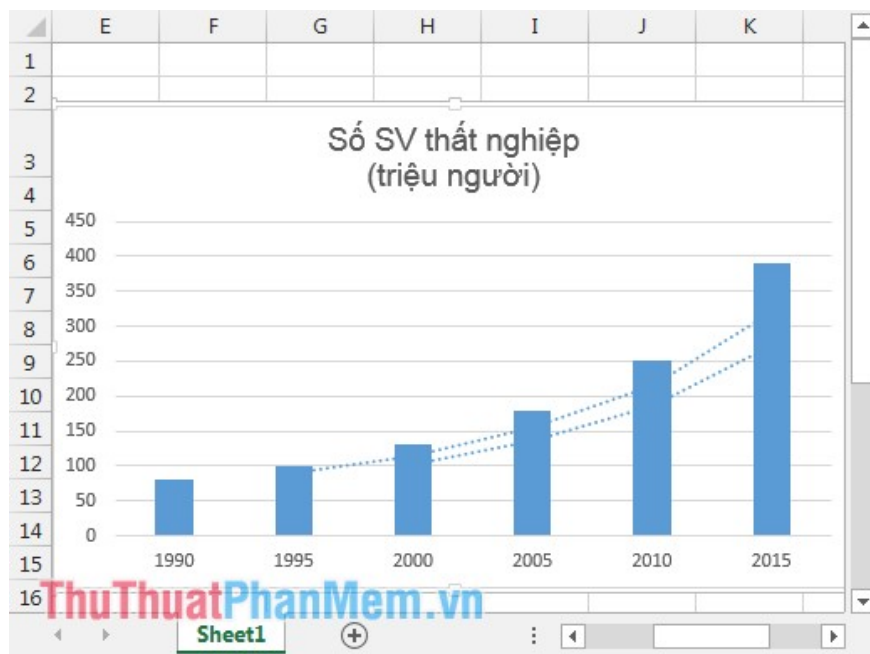
Result:



Now choose an average of 4 years to see how the moving average changes so that you can find future trends more easily and accurately. In **Period** select the value 4.



Compare the 2-year average range and the 4-year average. Result:

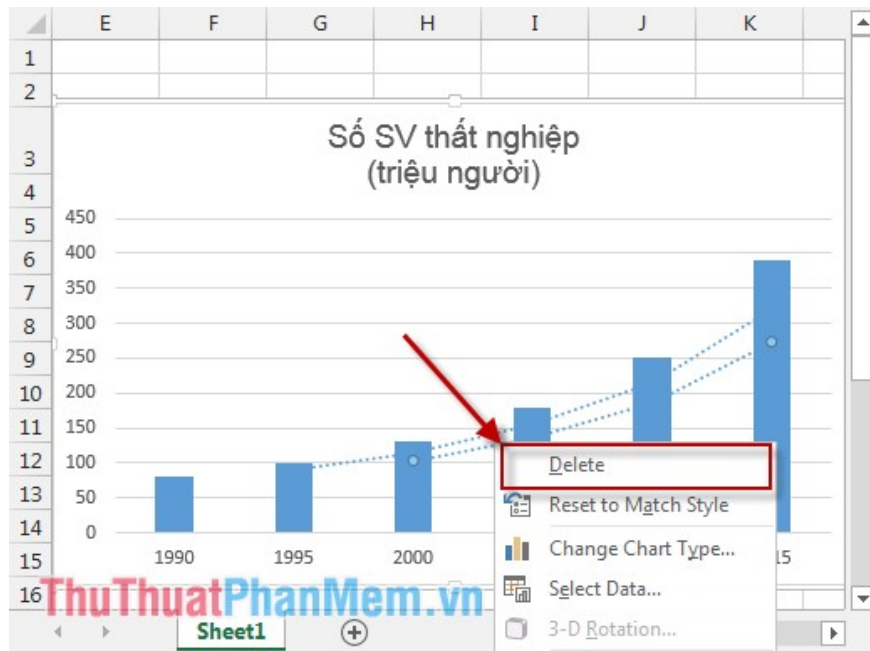


The average moving over 2 years is a longer one. As shown on the graph we see an increase in unemployment when students graduate.

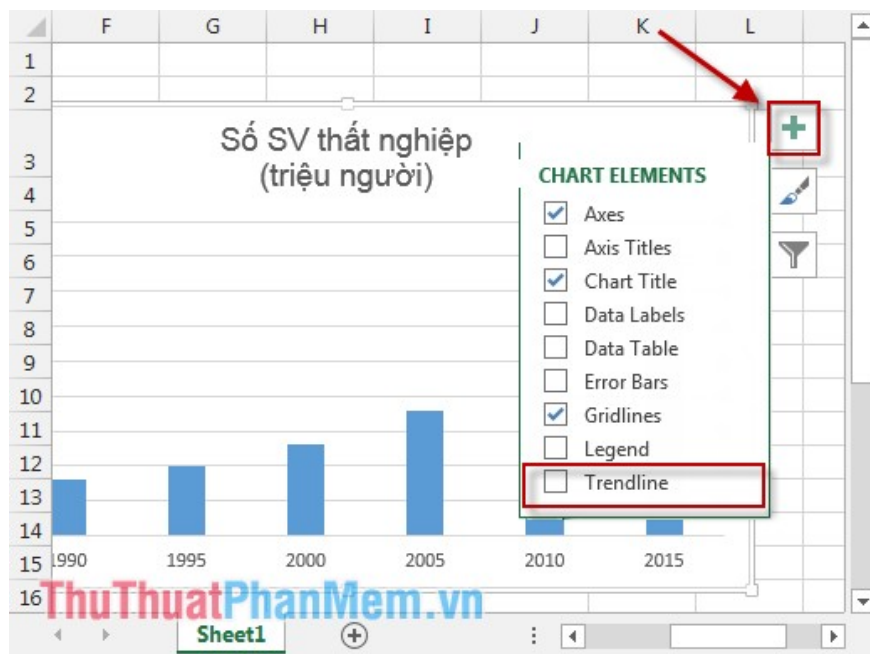
3. Delete trend lines or moving averages in the chart

You can use the following 2 ways:

- **Option 1:** Click to select the trend line or the moving average directly -> Right-click -> **Delete** .



- **Option 2:** Move to the chart -> Click the arrow to remove the checkmark in the **Trendline** section .



The above are some ways to help you analyze and predict the future trend of a problem based on actual data.

Hope to help you. Good luck!

You finished reading the article "**Add trend lines, moving averages to charts in Excel**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.

