Data Analysis in Excel

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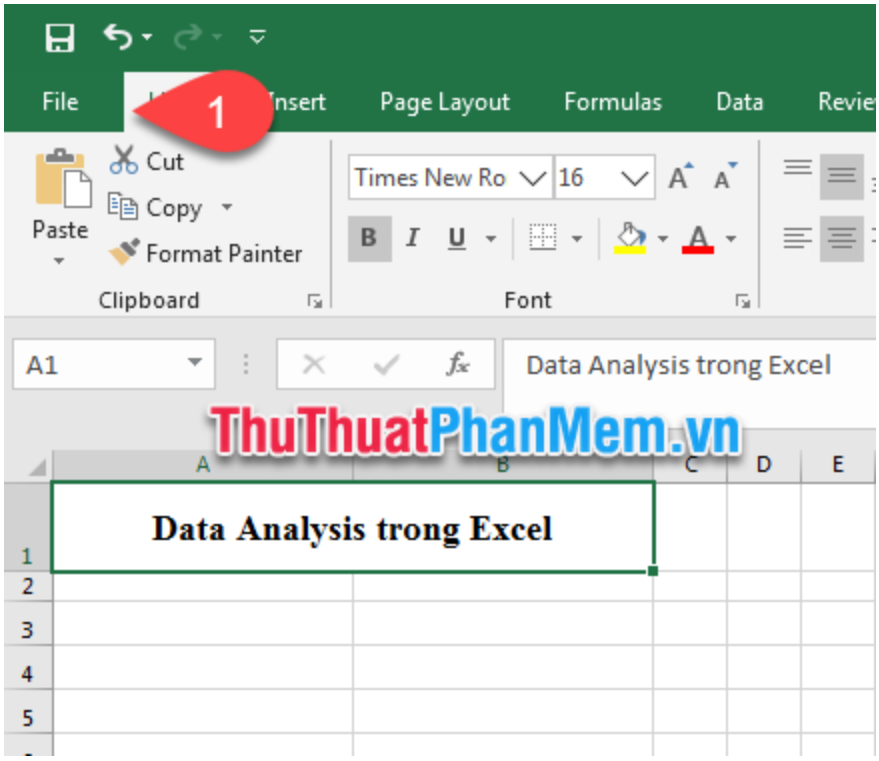
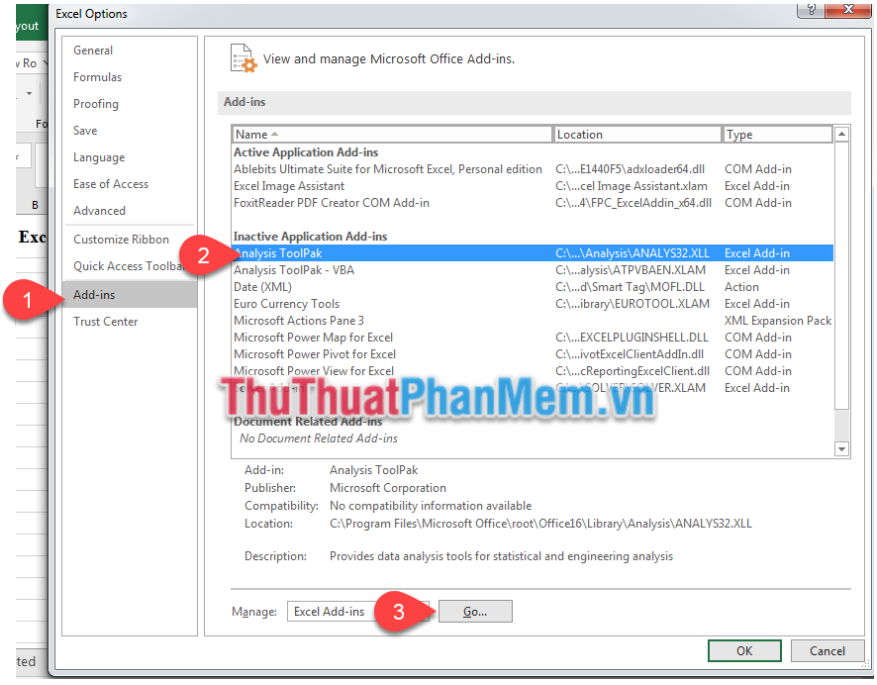
How to turn on the Data Analysis tool

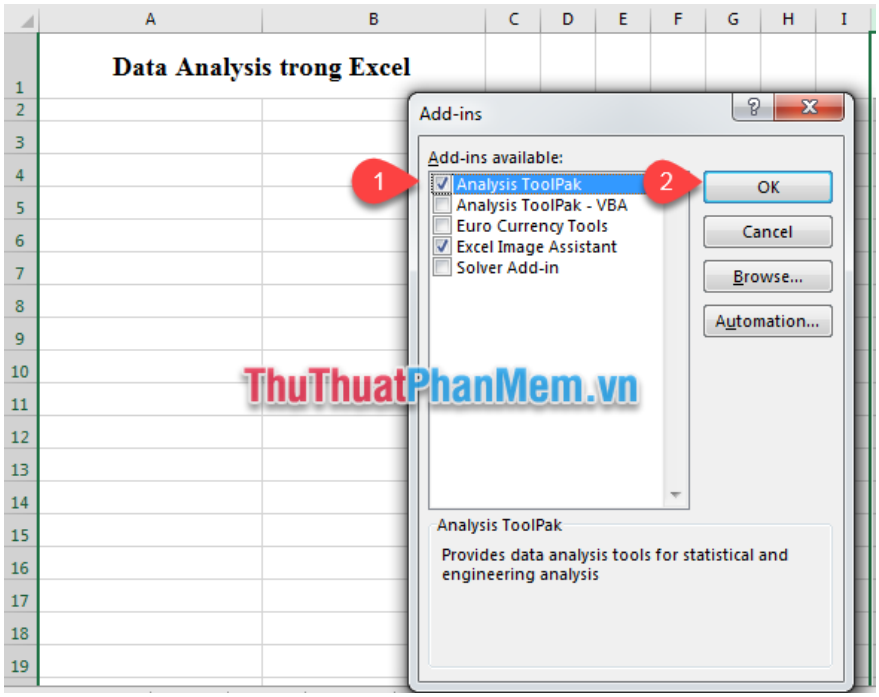
Step 1 : Select **File (1)** => select **Options (2)** .



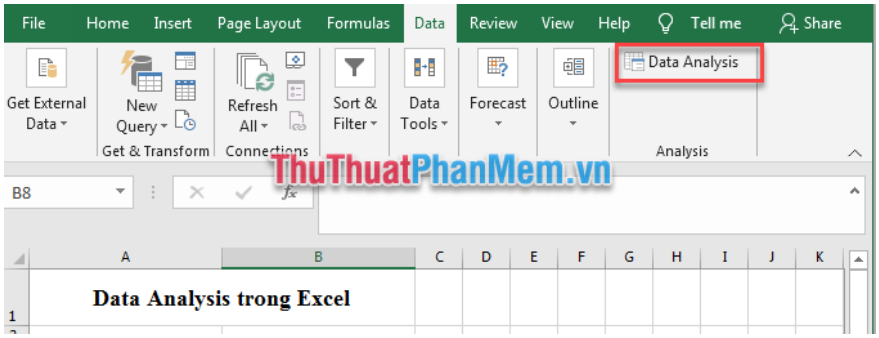
Step 2: Options window appears, go to **Add-in (1)** , select **Analysis ToolPak (2)** and then click **Go (3)** .



Step 3: The **Add-ins** interface appears, select the **Analysis ToolPak** item **(1)** and click the **OK** button **(2)** .



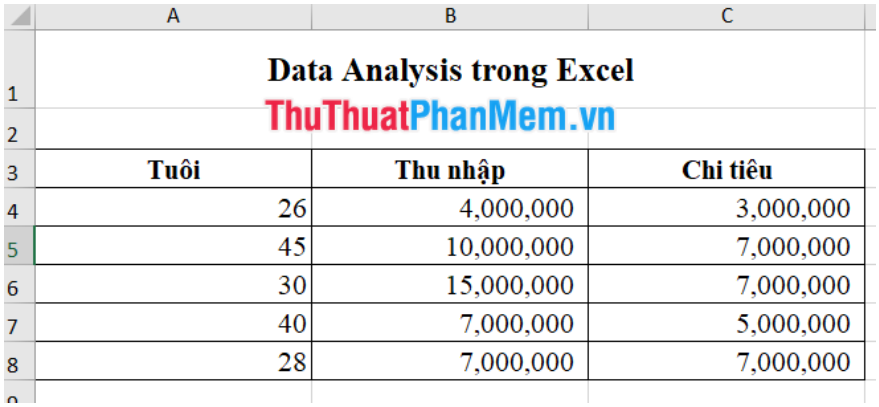
The results of the **Data Analysis** tool appear in the **Data** section of the Ribbon.



How to use the Data Analysis tool in Excel

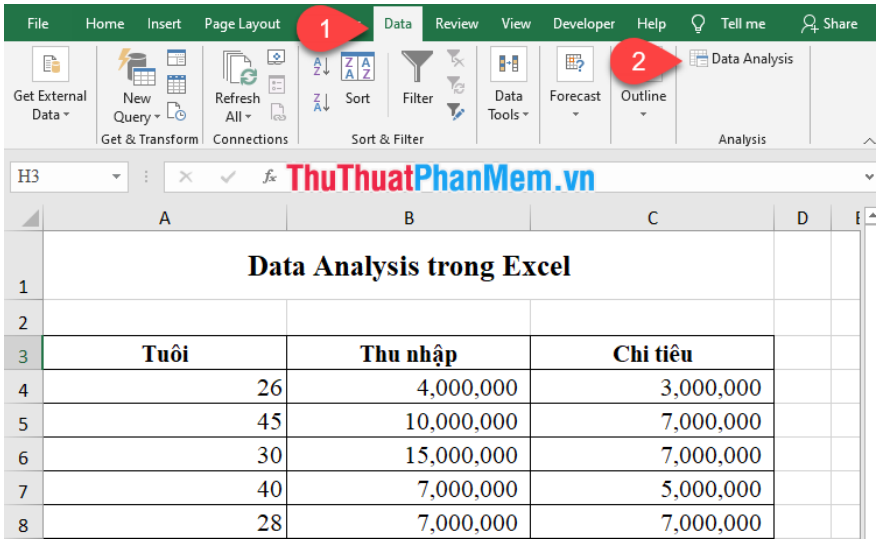
Data Analysis is a tool used to analyze data in Excel. So you consider the following example to see the use of Data Analysis offline.

Suppose you have a table of income and expenditure statistics of 5 subjects as follows:

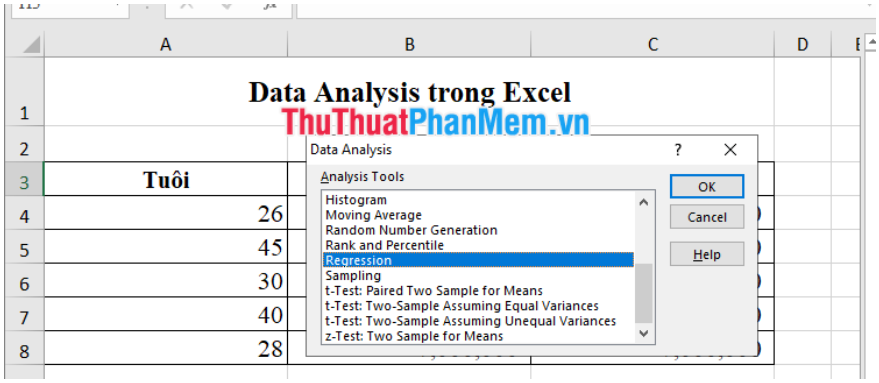


	A	B	C
1	Data Analysis trong Excel		
2	ThuThuatPhanMem.vn		
3	Tuổi	Thu nhập	Chi tiêu
4	26	4,000,000	3,000,000
5	45	10,000,000	7,000,000
6	30	15,000,000	7,000,000
7	40	7,000,000	5,000,000
8	28	7,000,000	7,000,000

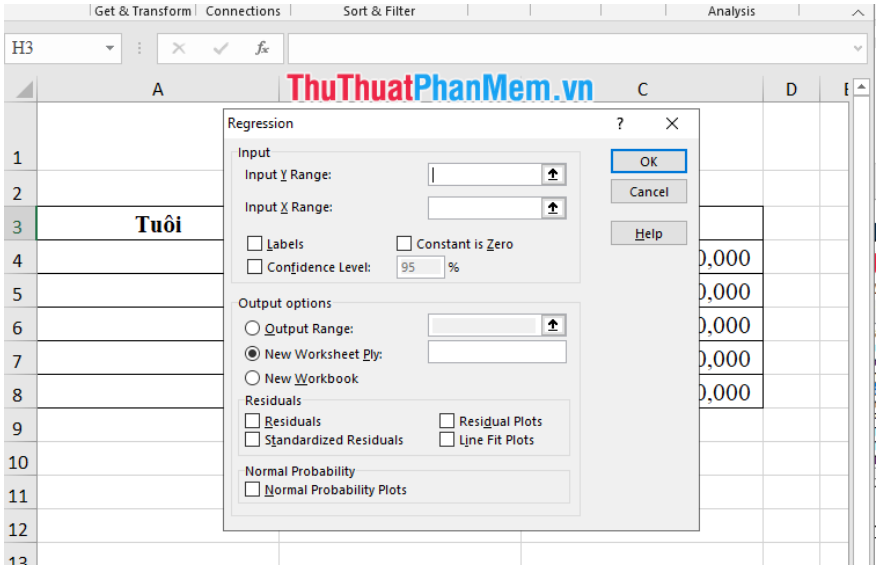
Step 1: On the **Data** tab **(1)** , Click the **Data Analysis** icon **(2)** .



Step 2: In the **Data analysis** window , select **Regression** and then **OK** .

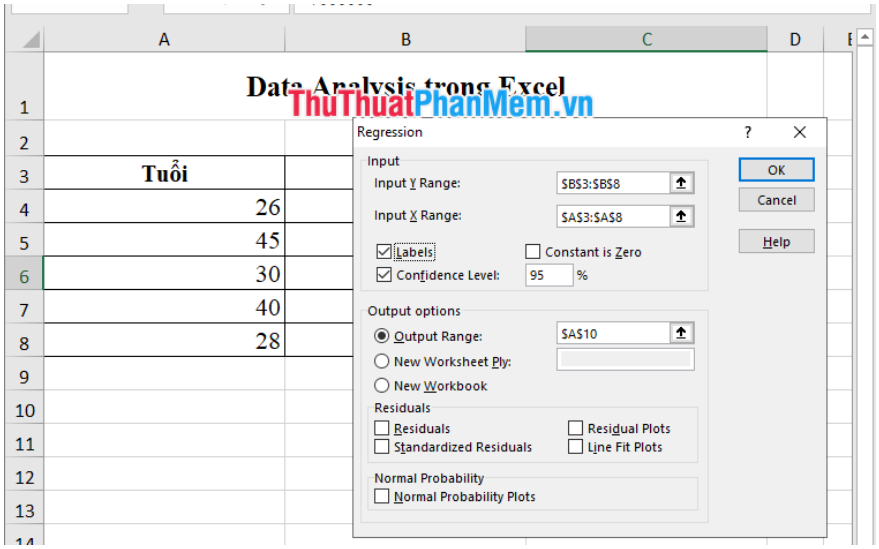


Step 3: The **Regression** window appears.



1. **Input Y Range:** Container of dependent variables (click on the right input box and then go to the main screen, select the dependent variable container - including the variable name)
2. **Input X Range:** Container for independent variables (click on the right input box and then go to the main screen to select the container of independent variables - both name and variable)
3. **Labels** : Click this box to use variable names
4. **Confidence Level:** Confidence (1-a), default 95%, if you want to change then click this box and enter new confidence
5. **Output Range:** Export area, click this option, then click on the input box to the right, then outside the main screen, select any cell as the output location.

With the spreadsheet above, Software Tips selected parameters as follows and then press the **OK** button .



And get the results:

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.19360047
R Square	0.037481142
Adjusted R Square	-0.283358478
Standard Error	4711910.617
Observations	5

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.5937E+12	2.5937E+12	0.116822049	0.75504885
Residual	3	6.66063E+13	2.22021E+13		
Total	4	6.92E+13			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	5304252.199	9870108.702	0.537405652	0.628291635	-26106838.77	36715343.17	-26106838.77	36715343.17
Tuổi	97507.33138	285282.3218	0.341792407	0.75504885	-810388.3397	1005403.003	-810388.3397	1005403.003

Above Software Tips showed you how to turn on Data Analysis tool and how to use this tool. Good luck!

You finished reading the article "**Data Analysis 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.