

T.INV function - The function returns the inverse value of the Student t distribution in Excel

T.INV: The function returns the inverse value of the Student t-distribution. Support functions from Excel 2010 onwards. Syntax: T.INV (probability, deg_freedom)

The following article introduces you to the **T.INV** function - one of the functions in the statistical function group is very popular in Excel.

Hàm T.INV

Description: The function returns the inverse value to the left of the Student's t-distribution. Support functions from Excel 2010 onwards.

Syntax: T.INV (probability, deg_freedom)

Inside:

- **probability:** Probability associated with t value of **Student's** t-distribution , which is a required parameter.
- **deg_freedom:** Number of degrees of freedom of the distribution, is a required parameter.

Attention:

- Any argument that is not a number -> the function returns the **#VALUE!** Error value
- If **probability ? 0** or **probability > 1** -> the function returns the **#NUM!** Error value
- If **deg_freedom 1** -> the function returns the **#NUM!** Error value
- The minimum value of **deg_freedom** must be equal to 1.

For example:

Calculate the inverse value to the left of the **Student** 's t-distribution of values ??in the following data table:

STT	Tham số	Giá trị
1	Xác suất kết hợp với giá trị t	0.85
2	Số bậc tự do	2
Giá trị nghịch đảo phía bên trái của phân bố t Student là:		?

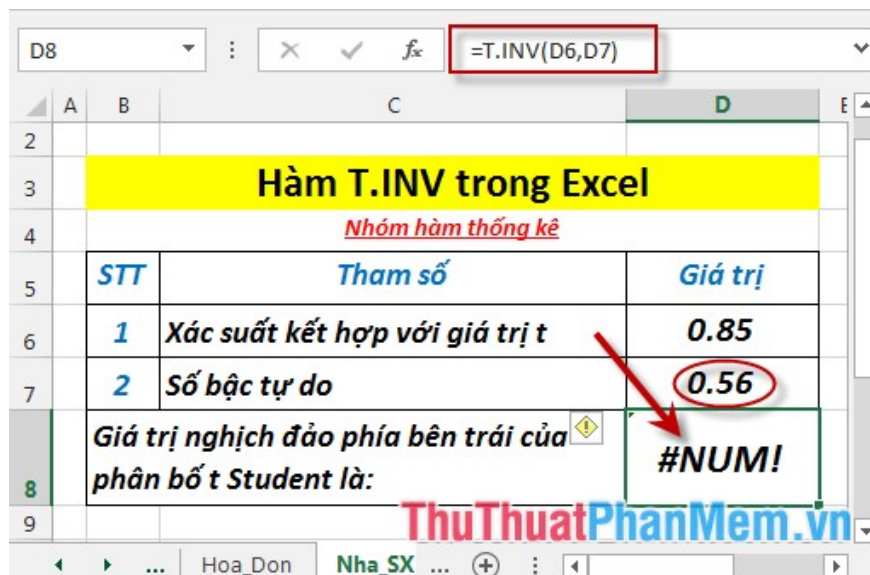
- In the cell to calculate enter the formula : = T.INV (D6, D7)

STT	Tham số	Giá trị
1	Xác suất kết hợp với giá trị t	0.85
2	Số bậc tự do	2
Giá trị nghịch đảo phía bên trái của phân bố t Student là:		=T.INV(D6, D7)

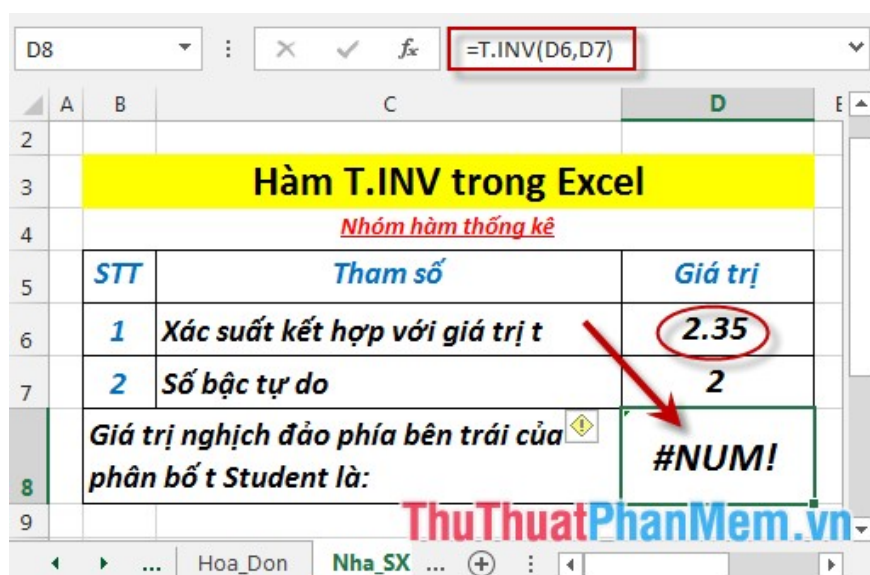
- Press **Enter** -> the inverse value to the left of the **Student** 's t-distribution is:

STT	Tham số	Giá trị
1	Xác suất kết hợp với giá trị t	0.85
2	Số bậc tự do	2
Giá trị nghịch đảo phía bên trái của phân bố t Student là:		1.38621

- If the number of degrees of freedom is less than 1 -> the function returns the #NUM! Error value



- Where the probability of combining with the t value is greater than 1 -> the function returns the #NUM! Error value



Above are instructions and some specific examples when using the T.INV function in Excel.

Good luck!

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