

T.DIST.2T - The function returns the two-tailed Student distribution in Excel

T.DIST.2T: The function returns the two-tailed Student's t-distribution. Functions used in testing the hypothesis of small numbers of data sets. Support functions from Excel 2010 onwards. Syntax: T.DIST.2T (x, deg_freedom)

The following article introduces you to the **T.DIST.2T** function - one of the functions in the statistical group is very popular in Excel.

Hàm T.DIST.2T

Description: The function returns the two- tailed **Student's** t-distribution . Functions used in testing the hypothesis of small numbers of data sets. Support functions from Excel 2010 onwards.

Syntax: T.DIST.2T (x, deg_freedom)

Inside:

- **x:** Value used to evaluate the distribution, 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 **deg_freedom 1** -> the function returns the **#NUM!** Error value
- The minimum value of **deg_freedom** must be equal to 1.
- If **x 0** -> the function returns the **#NUM!** Error value

For example:

Calculate the **Student 2 t- tailed** distribution as described in the following data table:

STT	Tham số	Giá trị
1	Giá trị dùng để đánh giá phân bố	64
2	Số bậc tự do	2
Phân bố hai phía của giá trị 64 với số bậc tự do là 2 là:		?

Hàm T.DIST.2T trong Excel

Nhóm hàm thống kê

ThuThuatPhanMem.vn

- In the cell to calculate, enter the formula : = T.DIST.2T (D6, D7)

STT	Tham số	Giá trị
1	Giá trị dùng để đánh giá phân bố	64
2	Số bậc tự do	2
Phân bố hai phía của giá trị 64 với số bậc tự do là 2 là:		=T.DIST.2T(D6, D7)

Hàm T.DIST.2T trong Excel

Nhóm hàm thống kê

ThuThuatPhanMem.vn

- Press **Enter** -> 2 t **Student** distribution is:

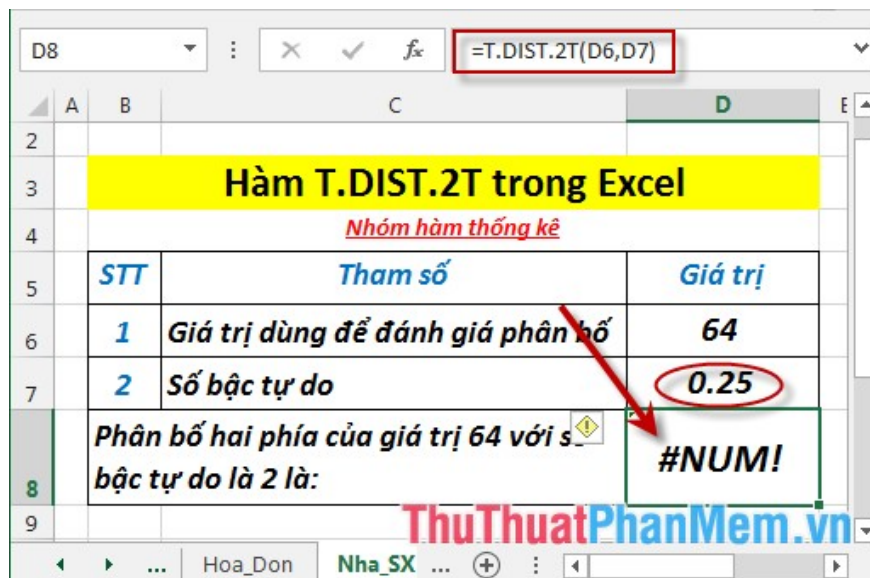
STT	Tham số	Giá trị
1	Giá trị dùng để đánh giá phân bố	64
2	Số bậc tự do	2
Phân bố hai phía của giá trị 64 với số bậc tự do là 2 là:		0.00024

Hàm T.DIST.2T trong Excel

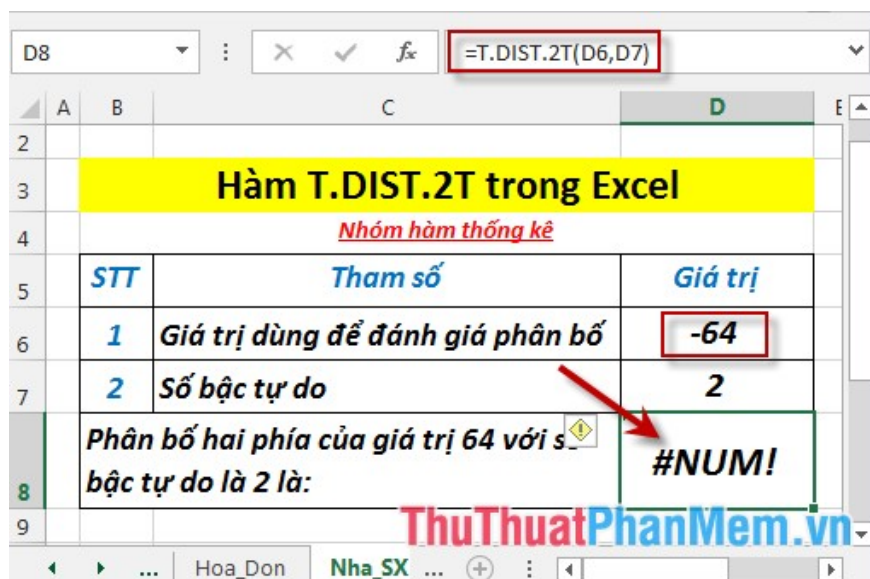
Nhóm hàm thống kê

ThuThuatPhanMem.vn

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



- Where the value for distribution distribution is less than 0 -> the function returns the #NUM! Error value



Above are instructions and some specific examples when using **T.DIST.2T** function in Excel.

Good luck!

You finished reading the article "**T.DIST.2T - The function returns the two-tailed Student distribution 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.