

# NORM.S.INV function - The function returns the inverse of the normalized distribution with an average value of 0 and a standard deviation of 1 in Excel

NORM.S.INV function: The function returns the inverse of the normalized distribution with an average value of 0 and a standard deviation of 1. Support from Excel 2010 onwards. Syntax: NORM.S.INV (probability)

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

## Hàm NORM.S.INV

**Description:** The function returns the inverse value of the normalized distribution with a mean value of 0 and a standard deviation of 1. The function supports Excel 2010 and later versions.

**Syntax:** NORM.S.INV (probability)

Inside:

- **probability:** Probability corresponding to the normalized distribution, is a required parameter .

**Attention:**

- If **probability** is not number -> the function returns the #VALUE! Error value

- If **probability** ? 0 or **probability** ? 1 -> the function returns the #NUM! Error value

**For example:**

Find the inverse value of the normal distribution of values ??in the data table below:

	A	B	C	D
2				
3		<b>Hàm NORM.S.INV trong Excel</b>		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>Tham số</i>	<i>Giá trị</i>
6		<b>1</b>	<b>Xác suất phân bố chuẩn hóa</b>	<b>0.9268</b>
7		<b>Giá trị nghịch đảo của phân bố lũy tích chuẩn hóa là:</b>		?
8				
9				
10				

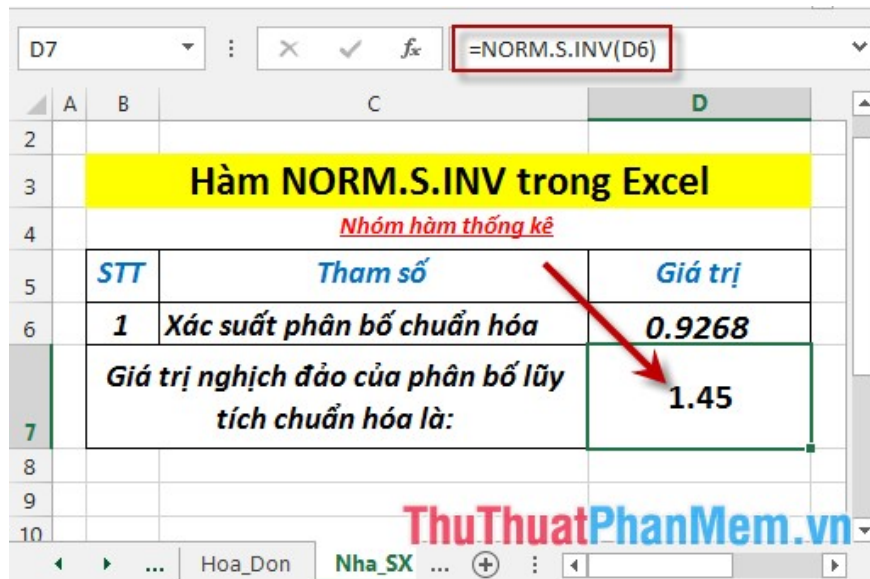
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- In the cell to calculate, enter the formula : = NORM.S.INV (D6)

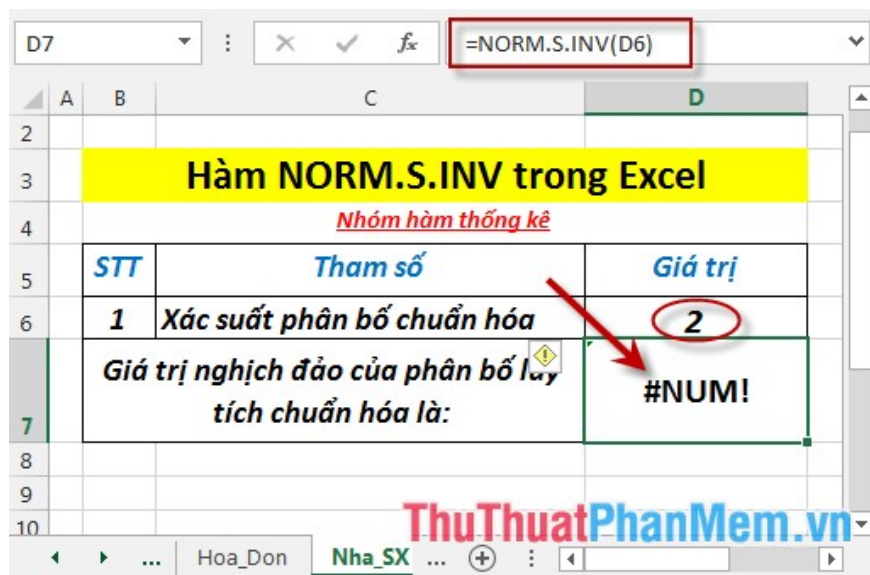
	A	B	C	D
2				
3		<b>Hàm NORM.S.INV trong Excel</b>		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>Tham số</i>	<i>Giá trị</i>
6		<b>1</b>	<b>Xác suất phân bố chuẩn hóa</b>	<b>0.9268</b>
7		<b>Giá trị nghịch đảo của phân bố lũy tích chuẩn hóa là:</b>		<b>=NORM.S.INV(D6)</b>
8				
9				
10				

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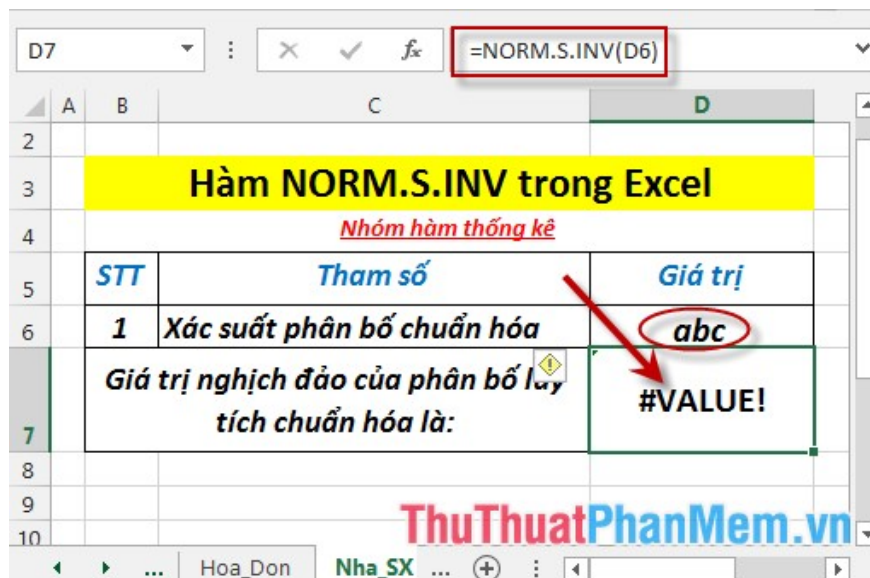
- Press **Enter** -> the inverse value of the normal distribution function is:



- In case the probability value is greater than 1 or less than 0 -> the function returns the **#NUM!** Error value



- Where the probability value is not a number -> the function returns the **#VALUE!** Error value



Above are instructions and some specific examples when using the **NORM.S.INV** function in Excel.

Good luck!

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