

FISHER function - The function returns the Fisser transformation at x in Excel

FISHER function: The function returns the Fisser transformation at x. This transformation creates a normal distribution function, using this function to test a hypothesis based on a correlation coefficient. Syntax: FISHER (x)

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

Hàm FISHER

Description: The function returns the **Fisser** transformation at **x**. This transformation creates a normal distribution function, using this function to test a hypothesis based on a correlation coefficient.

Syntax: FISHER (x)

Inside:

- **x:** Numerical value to convert **Fisser** .

Attention:

- If **x** is not a number -> the function returns the **#VALUE!** Error value .

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

- **Fisser** transform **equation** is:

$$[z '= \frac {1} {2} \ln \left (\left(\frac {{1 + x}} {{1 - x}} \right) \right)]$$

For example:

Calculate the value of x after performing the **fisser** transformation using the data in the following data table:

	A	B	C	D
3		Hàm FISHER trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>X</i>	<i>FISHER(X)</i>
6		1	0.25	
7		2	0.12	
8		3	0.75	?
9		4	1.25	
10		5	-3.5	

ThuThuatPhanMem.vn

- In the cell to calculate enter the formula : = **FISHER** (C6)

	A	B	C	D
3		Hàm FISHER trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>X</i>	<i>FISHER(X)</i>
6		1	0.25	=FISHER(C6)
7		2	0.12	
8		3	0.75	
9		4	1.25	
10		5	-3.5	

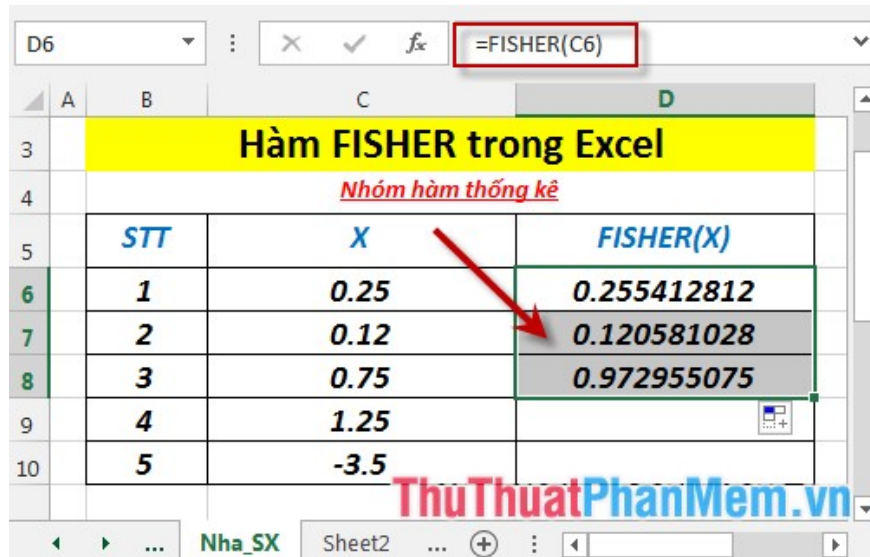
ThuThuatPhanMem.vn

- Press **Enter** -> the value of x after performing the **fisher** transformation is:

	A	B	C	D
3		Hàm FISHER trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>X</i>	<i>FISHER(X)</i>
6		1	0.25	0.255412812
7		2	0.12	
8		3	0.75	
9		4	1.25	
10		5	-3.5	

ThuThuatPhanMem.vn

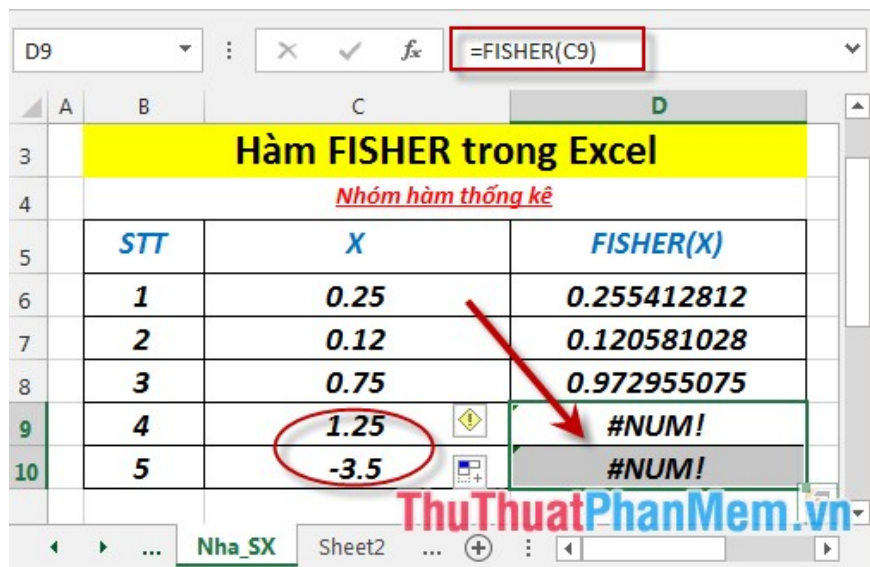
- Similarly copy to the remaining values ??are results:



The screenshot shows the Excel interface with the formula bar containing `=FISHER(C6)`. The worksheet contains a table with the following data:

STT	X	FISHER(X)
1	0.25	0.255412812
2	0.12	0.120581028
3	0.75	0.972955075
4	1.25	
5	-3.5	

- Where $x < -1$ or $x > 1$ -> the function returns the #NUM! Error value



The screenshot shows the same Excel worksheet as above, but with the values 1.25 and -3.5 in the 'X' column circled in red. The corresponding 'FISHER(X)' cells now display the error value #NUM!. A red arrow points from the error message back to the formula bar.

STT	X	FISHER(X)
1	0.25	0.255412812
2	0.12	0.120581028
3	0.75	0.972955075
4	1.25	#NUM!
5	-3.5	#NUM!

Above are instructions and some specific examples when using **FISHER** function in Excel.

Good luck!

You finished reading the article "**FISHER function - The function returns the Fisher transformation at x 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.