How to use AVERAGEIFS function on Excel

The AVERAGEIFS function on Excel will calculate the average of the values, but with many other conditions.

AVERAGE is the basic Excel function, used to calculate the average of the values ??in the data table. And when using the advanced AVERAGE function, users can combine more to calculate the various contents such as, AVERAGEIF function to average with 1 condition, or DAVERAGE function. In the following article, we will guide you how to use the AVERAGEIFS function, calculating the average value combining various conditions in the data table.

1. How to combine Sumif and Vlookup functions in Excel
2. How to use Lookup function in Excel
3. How to use Vlookup function in Excel

Instructions for using the AVERAGEIFS Excel function

AVERAGEIFS function on Excel has a function formula is **AVERAGEIFS (average_range, criteria_range1, criteria1, [criteria_range2, criteria2], .)** .

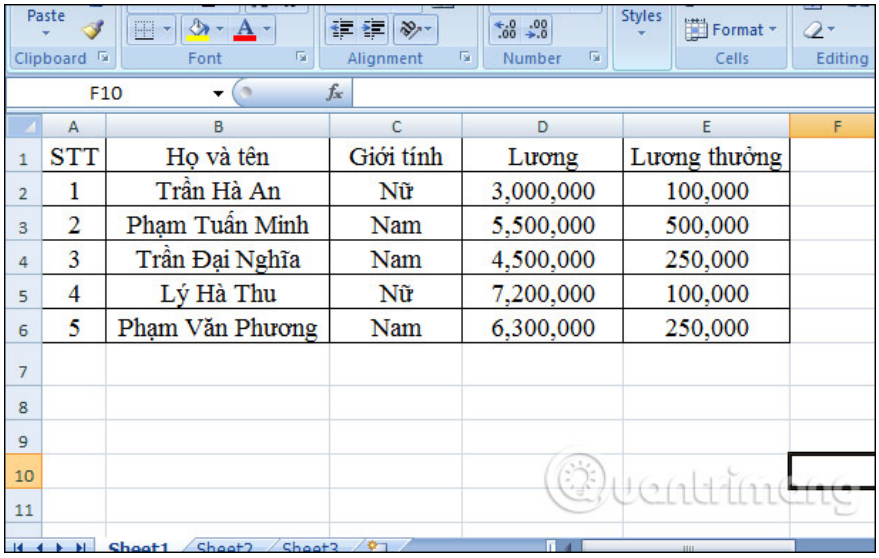
Inside:

1. average_range: The data area that needs to calculate the average value includes the reference number or name or array containing the number, which is the required parameter.
2. criteria_range1, criteria_range2: The condition containing the total condition, criteria_range1 is the required parameter, the remaining criteria_range options up to 127 arguments, are required parameters.
3. criteria1, criteria2, .: As a condition to average plus, riteria1 is a required parameter, other criteria optionally contain a maximum of 127 conditions.

Note when using functions:

1. If the value of the argument contains a logical value or a blank cell, that value will be ignored.
2. If the range is empty or textual, the function returns the # DIV / 0 error value.
3. If the cells in Criteria_range are empty, the default function is 0.
4. If the value in the data cell is logical value = True, it is considered as 1, if False value is considered 0.
5. If the values ??in average_range cannot be converted to numbers then the error # DIV / 0 is reported.
6. If no value meets all conditions, the error function # DIV / 0!
7. Can use alternate characters like *.?. in terms of average calculation.

We will take the example with the data table as shown below.



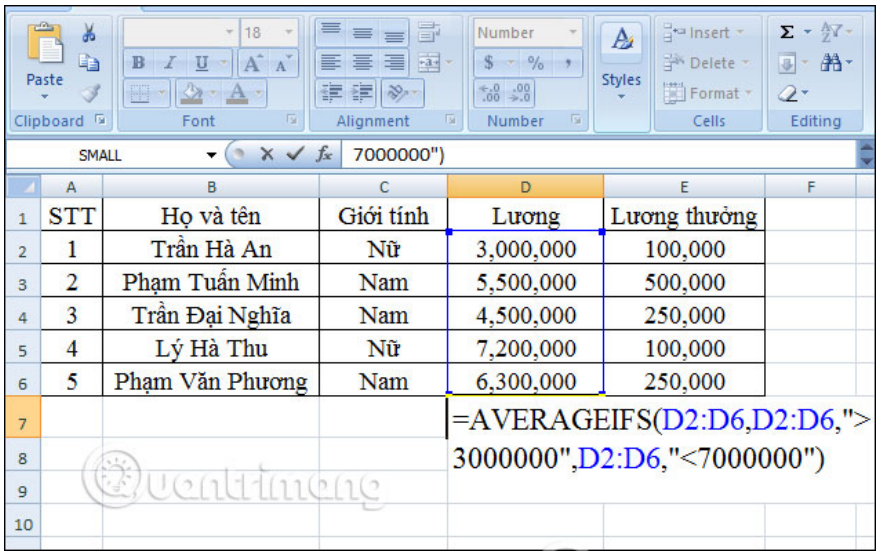
STT	Họ và tên	Giới tính	Lương	Lương thưởng
1	Trần Hà An	Nữ	3,000,000	100,000
2	Phạm Tuấn Minh	Nam	5,500,000	500,000
3	Trần Đại Nghĩa	Nam	4,500,000	250,000
4	Lý Hà Thu	Nữ	7,200,000	100,000
5	Phạm Văn Phương	Nam	6,300,000	250,000

Example 1 : Calculate the average of employees' wages greater than 3,000,000 and less than 7,000,000.

Step 1:

You enter the formula = **AVERAGEIFS (D2: D6, D2: D6, "> 3000000", D2: D6, "7000000")** .

Where D2: D6 is the data column to be calculated and D2: D6, "> 3000000", D2: D6, "7000000" are conditions in that data area.

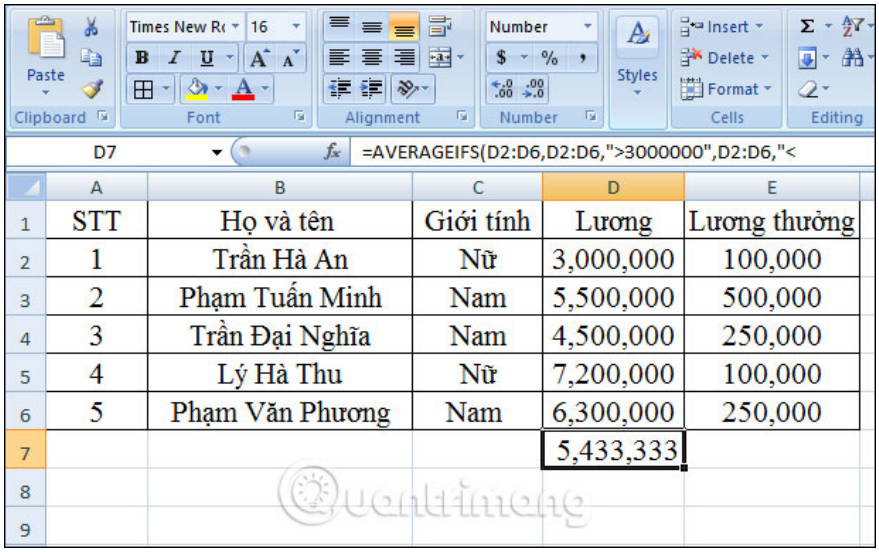


STT	Họ và tên	Giới tính	Lương	Lương thưởng
1	Trần Hà An	Nữ	3,000,000	100,000
2	Phạm Tuấn Minh	Nam	5,500,000	500,000
3	Trần Đại Nghĩa	Nam	4,500,000	250,000
4	Lý Hà Thu	Nữ	7,200,000	100,000
5	Phạm Văn Phương	Nam	6,300,000	250,000

=AVERAGEIFS(D2:D6,D2:D6,">3000000",D2:D6,"<7000000")

Step 2:

It will then display the average result plus the data based on the established condition. The calculated amount is 5,433,333.



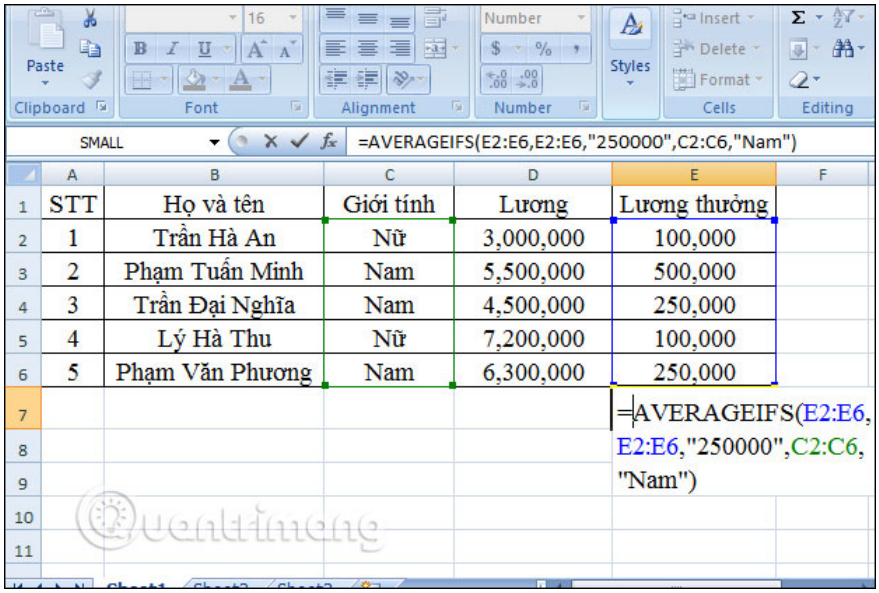
	A	B	C	D	E
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng
2	1	Trần Hà An	Nữ	3,000,000	100,000
3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000
5	4	Lý Hà Thu	Nữ	7,200,000	100,000
6	5	Phạm Văn Phương	Nam	6,300,000	250,000
7				5,433,333	
8					
9					

Example 2 : Calculating the average of bonuses of male employees with a salary of 250,000.

Step 1:

Also in the input box, users enter the formula to calculate the value = **AVERAGEIFS (E2: E6, E2: E6, "250000", C2: C6, "Nam")** .

Where E2: E6 is the area to calculate the value, E2: E6, "250000" is the first condition for the value in that region. C2: C6, "Male" is the second condition with another data area.



	A	B	C	D	E	F
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng	
2	1	Trần Hà An	Nữ	3,000,000	100,000	
3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000	
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000	
5	4	Lý Hà Thu	Nữ	7,200,000	100,000	
6	5	Phạm Văn Phương	Nam	6,300,000	250,000	
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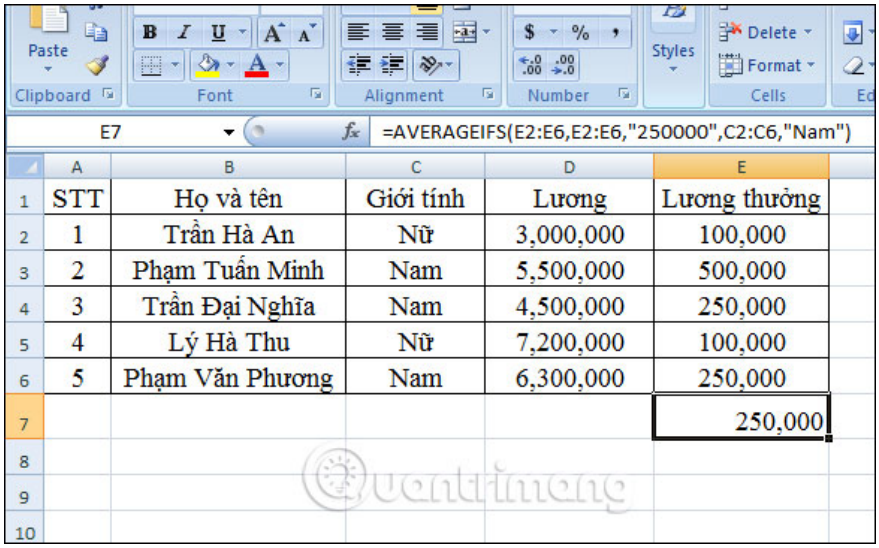
Step 2:

When pressing Enter, the result is 250,000 as shown below.



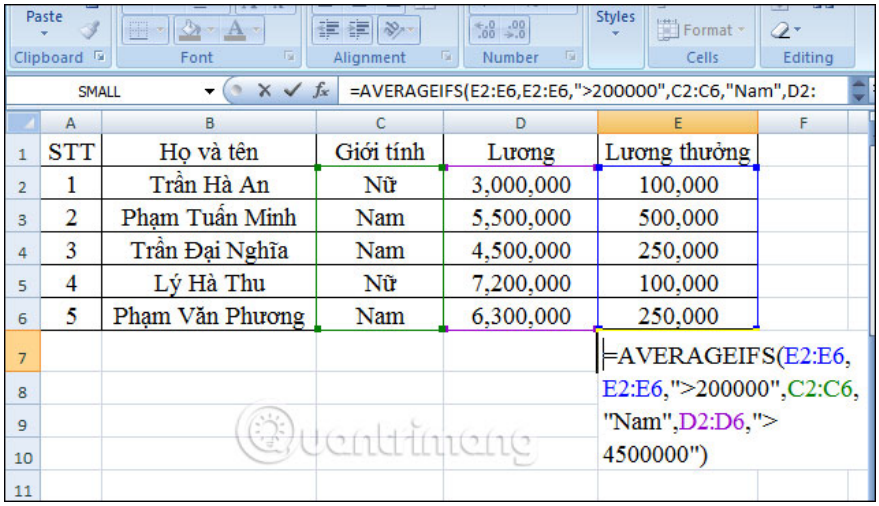
	A	B	C	D	E
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng
2	1	Trần Hà An	Nữ	3,000,000	100,000
3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000
5	4	Lý Hà Thu	Nữ	7,200,000	100,000
6	5	Phạm Văn Phương	Nam	6,300,000	250,000
7					250,000
8					
9					
10					

Example 3 : Calculate the average of the salaries of male employees larger than 200,000 and wages greater than 4,500,000.

Step 1:

In the input box we enter the formula = = **AVERAGEIFS (E2: E6, E2: E6, "> 200000", C2: C6, "Male", D2: D6, "> 4500000")** .

Where E2: E6 is the data area to calculate the average value, E2: E6, "> 200000" is the first condition in the data area E2: E6, C2: C6, "Male" is the second condition at Data area C2: C6, D2: D6, "> 4500000") is the 3rd condition in the data area D2: D6.



	A	B	C	D	E	F
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng	
2	1	Trần Hà An	Nữ	3,000,000	100,000	
3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000	
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000	
5	4	Lý Hà Thu	Nữ	7,200,000	100,000	
6	5	Phạm Văn Phương	Nam	6,300,000	250,000	
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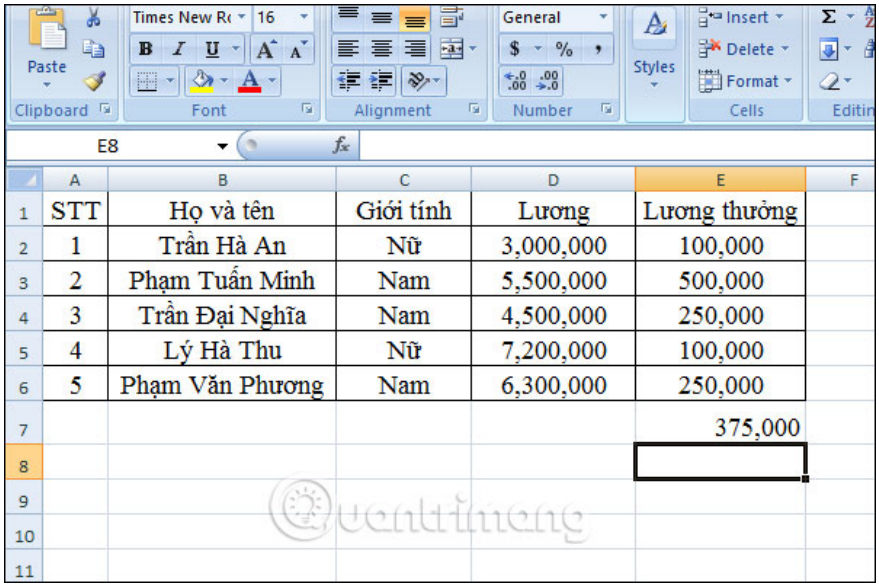
Step 2:

Press Enter and the result will be 375,000 as shown below. Because only 2 male employees meet all 3 conditions in the request.



	A	B	C	D	E	F
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng	
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3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000	
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000	
5	4	Lý Hà Thu	Nữ	7,200,000	100,000	
6	5	Phạm Văn Phương	Nam	6,300,000	250,000	
7					375,000	
8						
9						
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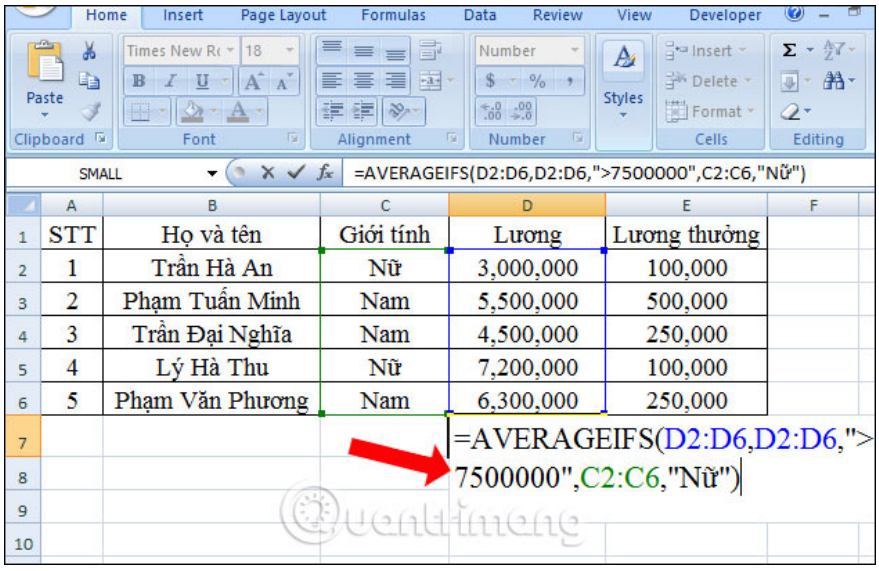
Example 4 : Calculate the average salary of female employees with wages greater than 7,500,000.

Step 1:

Also in the box that displays the results, the user enters the formula for calculating **AVERAGEIFS = = AVERAGEIFS (D2: D6, D2: D6, "> 7500000", C2: C6, "Female")** and then press Enter.



	A	B	C	D	E	F
1	STT	Họ và tên	Giới tính	Lương	Lương thưởng	
2	1	Trần Hà An	Nữ	3,000,000	100,000	
3	2	Phạm Tuấn Minh	Nam	5,500,000	500,000	
4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000	
5	4	Lý Hà Thu	Nữ	7,200,000	100,000	
6	5	Phạm Văn Phương	Nam	6,300,000	250,000	
7				=AVERAGEIFS(D2:D6,D2:D6,">7500000",C2:C6,"Nữ")		
8						
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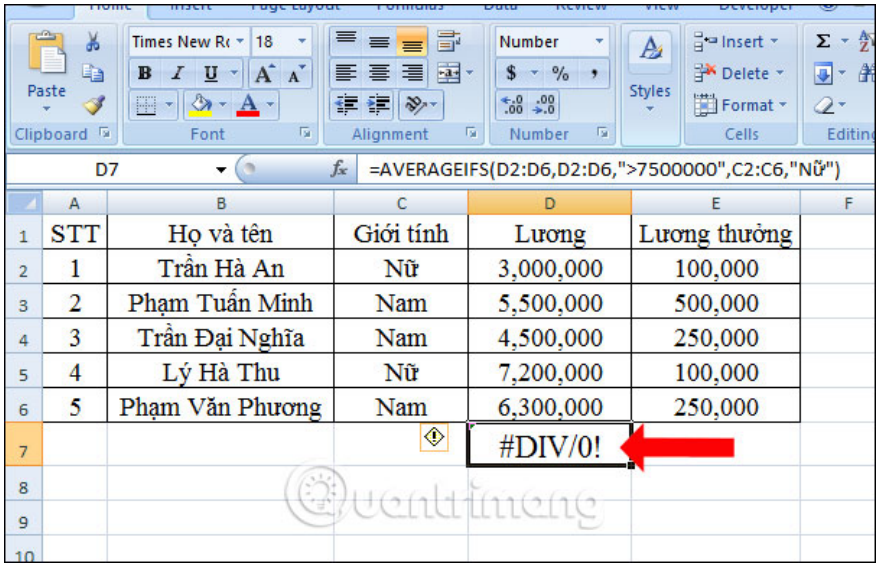
Step 2:

The result will **indicate error # DIV0!** Since only one condition is satisfied in the formula, no cell satisfies all of the two conditions in the formula.



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4	3	Trần Đại Nghĩa	Nam	4,500,000	250,000	
5	4	Lý Hà Thu	Nữ	7,200,000	100,000	
6	5	Phạm Văn Phương	Nam	6,300,000	250,000	
7				#DIV/0!		
8						
9						
10						

Above is how to apply the AVERAGEIFS function in Excel to calculate the average value with many different conditions. In general, the usage is very simple, you need to enter the area to calculate the value first, then the conditions on each different data area.

See more:

1. Summary of trigonometric functions in Excel
2. How to automatically display names when entering code in Excel
3. Calculation of age in Excel

I wish you all success!

You finished reading the article "**How to use AVERAGEIFS function on 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.