#### AVERAGEIFS

[Syntax](Syntax.docx):

AVERAGEIFS ( average-range , cell-range-1 , selection-criteria-1
[ , cell-range-2 , selection-criteria-2 [ , … ] ] )

Description: The average of the values of all cells that meet multiple criteria.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| average-range | [reference](reference.docx) | Designates the cells whose values are averaged. In this case, average-range need not have the same size and shape as cell-range-1 through cell-range-n. The actual cells that are added are determined by using the top, left [cell](cell.docx) in average-range as the beginning [cell](cell.docx), and then including cells that correspond in size and shape to cell-range-1 through cell-range-n. If a [cell](cell.docx) in average-range is empty, that [cell](cell.docx) is ignored. Each [cell](cell.docx) in average-range is used in the average calculation only if all of the corresponding criteria specified are true for that cell. |
| cell-range-1 | number, expression, [reference](reference.docx), [text](text.docx) | Designates the first range of cells to be inspected.  |
| selection-criteria-1 | [reference](reference.docx), [text](text.docx) | selection-criteria-1 specifies the criteria for the first range of cells that will be averaged. In the case of text, selection-criteria-1 can consist of any comparison operator followed by the operand against which each cell's value is to be compared. If a [cell](cell.docx) in any [selection](selection.docx) criteria range is empty, it is treated as if its value was 0. Cells that contain [TRUE](TRUE.docx) evaluate to  1; cells in any range that contain [FALSE](FALSE.docx) evaluate to 0. selection-criteria-1 can include one or more wildcard characters, question mark (?) and asterisk (\*). A question mark matches any single character; an asterisk matches any sequence of characters. To search for a question mark, asterisk, or tilde character, prefix that character with a tilde (~). |
| cell-range-n | number, expression, [reference](reference.docx), [text](text.docx) | The optional arguments selection-criteria-2 through selection-criteria-n have corresponding arguments cell-range-2 through cell-range-n, and have the same semantics as selection-criteria-1 and cell-range-1, respectively. |
| selection-criteria-n | [reference](reference.docx), [text](text.docx) |

Return Type and Value: number – The average of the cells corresponding to those selected.

However, if

* Cells in average-range are empty or contain text values that cannot be translated into numbers, the return value is unspecified.
* There are no cells that meet all the criteria, the return value is unspecified.

[Example: Given the following data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | A | B | C | D |
| 1 | Student | First Quiz Grade | Second Quiz Grade | Final Exam Grade |
| 2 | Emilio | 75 | 85 | 87 |
| 3 | Julie | 94 | 80 | 88 |
| 4 | Hans | 86 | 93 | Incomplete |
| 5 | Frederique | Incomplete | 75 | 75 |

AVERAGEIFS(B2:B5,B2:B5,">70",B2:B5,"<90") results in 80.5 (the average for all students all first quiz grades that are between 70 and 90)

AVERAGEIFS(D2:D5,D2:D5,"<>Incomplete",D2:D5,">80") results in 87.5 (the average for all students all first quiz grades that are above 80 and not marked "Incomplete")

AVERAGEIFS(B2:D5,B2:B5,"<>Incomplete",C2:C5,"<>Incomplete",D2:D5, "<>Incomplete") results in 82.375 (the average grades for all students who do not have incomplete grades)

end example]