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Here's an overview of using the SUMIFS function to filter a table based on different criteria and options. Problem with Excel SUMIFS Functions with Multiple Criteria SUM and SUMIFS Functions with Multiple Date Criteria Using a Specific Date Using Today's Date Multiple SUMIFS Functions for Multiple OR Criteria Alternative: Using Multiple SUMIF Functions Problem with Excel SUMIFS function: SUMIFS function: SUMIFS function: SUMIFS function While Using Multiple OR Criteria range of a Column Here's the syntax of the SUMIFS function: SUMIFS function: SUMIFS function While Using Multiple OR Criteria range of a Column Here's the syntax of the SUMIFS function: SUMIFS function with Excel SUMIFS function with Excel SUMIFS function and the Sumi range of a Column Here's the syntax of the Sumi range, criteria range of a Column Here's the syntax of the Sumi range of a Column Here's the syntax From the syntax, it should work for multiple criteria and criteria and criteria ranges. We took a dataset that contains some electronic products' ID, delivery status, and price. Insert the following formula in cell G9 and hit the Enter button to calculate the total price of the products with 'Completed' and 'Pending' status: =SUMIFS(E6:E14,D6:D14,G6,D6:D14,H6) Unfortunately, it returned zero! The SUMIFS function only works for AND criteria with different columns, not for OR criteria in the same column. So as we applied the same columns, not for OR criteria in the same columns, not for OR criteria in the same columns. =SUMIFS(E6:E14,D6:D14,H5:I5) But we expect the output just in a cell. Example 1 - Combining SUM and SUMIFS Functions with Multiple Criteria in Same Column Apply the following formula in cell G9 to get the total price: =SUM(SUMIFS(E6:E14,D6:D14,G6:H6)) The corresponding data in the dataset will be highlighted instantly whenever you change the criteria. Note: We used conditional formatting to highlight different matched criteria. We applied data validation rules to restrict the repeated entry of the criteria. We applied data validation rules to restrict the repeated entry of the criteria. We applied data validation rules to restrict the repeated entry of the criteria. We applied data validation rules to restrict the repeated entry of the criteria. Criteria Example 2 - Joining SUM and SUMIFS functions with 3 Criteria in Same Column We'll expand the array criteria in the SUMIFS function. For the below dataset, we'll calculate the total sales for three states: Ohio, Nevada, and Florida. In cell G9, insert the following formula and press the Enter button: =SUM(SUMIFS(E6:E24,D6:D24,G6:I6)) See the below GIF to get a complete overview. Read More: How to Apply SUMIFS with Multiple Criteria in Different types of species, such as Eureka Lemons, Bush Lemons, Bush Lemons, and Bearss Lemons. We'll use a formula that will sum the prices if it gets the partial text 'Lemons' and 'Apples' in any corresponding cell. Insert the following formula in cell E9 and hit the Enter button: =SUM(SUMIFS(C6:C18,B6:B18,"*"&E6:F6&"*")) The formula recalculates and changes the highlighted cells whenever we change the criteria. Read More: How to Apply SUMIFS with INDEX MATCH for Multiple Columns and Rows Example 4 - Using a Specific Date Let's calculate the delivered quantity within the previous 60 days from the date '2-Oct-23' for the below dataset. Use the following formula in cell F15: =SUMIFS(D6:D18, C6:C18,"="&F6-F9, C6:C18,"="&F6-F9, C6:C18,"="&H9,D6:D21, "="&H9,D6:D21, "="& D6:D21, "="&H9,D6:D21, "="&F6-F9, C6:C18,"="&TODAY()-F6, C6:C18,"="&H9,D6:D21, "="&H9,D6:D21, "= them, optional. You can use up to 127 range/criteria pairs in SUMIFS formulas. Notes: For a SUMIFS formula to work correctly, all the criteria range arguments must have the same dimension as sum range, i.e. the same number of rows and columns. The SUMIFS function works with AND logic, meaning that a cell in the sum range is summed only if it meets all of the specified criteria, i.e. all the criteria are true for that cell. And now, let's have a look at the Excel SUMIFS formula with two conditions. Suppose, you have the fruit names in column A, suppliers' names in column B, and quantity in column C. What you want is to find out a sum of amounts relating to a given fruit and supplier, e.g. all apples supplied by Pete. When you're learning something new, it's always a good idea to start with simple things. So, to begin with, let's define all the arguments for our SUMIFS formula: sum range - C2:C9 criteria range1 - A2:A9 criteria 1 - "apples" criteria range2 - B2:B9 criteria 2 - "Pete" Now assemble the above parameters, and you will get the following SUMIFS formula: =SUMIFS(C2:C9, A2:A9, "apples", B2:B9, "Pete") To refine the formula further, you can replace the text criteria "apples" and "Pete" with cell references. In this case, you won't have to change the formula to calculate the quantity of other fruit from a different supplier: =SUMIFS(C2:C9, A2:A9, F1, B2:B9, F2) Note. Both the SUMIF and SUMIFS functions are case-insensitive by nature. To get them to recognize the text case, please see Case-sensitive SUMIF and SUMIFS formula in Excel. Since the aim of this tutorial is to cover all possible ways to sum values by several conditions, we will discuss formula examples with both functions - Excel SUMIFS and SUMIF with multiple criteria. To use them correctly, you need to clearly understand what these two functions have in common and in what way they are different. While the common part is clear (similar purpose and parameters), the differences are not so obvious, though very essential. There are 4 major differences between SUMIFs: Number of conditions. SUMIF can evaluate just one condition at a time while SUMIFS can check for multiple criteria. Syntax. With SUMIFS, sum_range is the first and required argument. Size of ranges. In SUMIF formulas, sum_range does not necessarily have to be of the same size and shape as range, as long as you have the top left cell right. In Excel SUMIFS, each criteria_range must contain the same number of rows and columns as the sum_range argument. For example, SUMIF(A2:A9,F1,C2:C18) will return the correct result because the leftmost cell in the sum range argument (C2) is right. So, Excel will make the correction automatically and include as many columns and rows in sum range as there are in range as there are in range as there are in range. A SUMIFS formula with unequally sized ranges will return a #VALUE! error. Availability. SUMIF is available in all Excel versions, from 365 through 2000. SUMIFS is available in Excel 2007 and higher. Alright, enough strategy (i.e. theory), let's get into the tactics (i.e. formula examples :) A moment ago, we discussed a simple SUMIFS formula with two text criteria. In the same manner, you can use Excel SUMIFS with multiple criteria expressed by numbers, dates, logical expressions, and other Excel functions. In our fruit suppliers table, suppose, you want to sum all deliveries by Mike with Qty. 200 or more. To do this, you use the comparison operator "greater than or equal to" (>=) in criteria2 and get the following SUMIFS formula: =SUMIFS(C2:C9,B2:B9,"Mike",C2:C9,">=200") Note. Please pay attention that in Excel SUMIFS formulas, logical expressions with comparison operators should always be enclosed in double quotes (""). We covered all possible comparison operators can be used in SUMIFS criteria. For example, the following formula with return the sum of all values in cells C2:C9 that are greater than or equal to 200 and less than or equal to 300. =SUMIFS(C2:C9, C2:C9,">=200", C2:C9,"="&TODAY()-7, C2:C10,"=10/1/2014", E2:E9, "=10/1/2014", E2:E9, "=10/1/2014", E2:E9, "=10/1/2014", and less than or equal to Oct 31 ("=10/1/2014", E2:E9, "=10/1/2014", E2:E9, "=10/1/2014