

I'm not robot





Excel Functions and Formulas: Excel has more than 450 functions, allowing users to perform complex operations. Advanced formulas combining multiple functions are game-changers. This blog highlights powerful Excel functions and formulas every advanced user should know. \*\*9 Advanced Excel Functions\*\* Below is a table showcasing key Excel functions, their descriptions, and examples:

Function	Description	Example
XLOOKUP	Searches a range or array and returns a matching result.	<code>=XLOOKUP("Apple", A2:A10, B2:B10)</code>
VLOOKUP	Looks up a value in a column and returns a value in the same row from another column.	<code>=VLOOKUP(101, A2:C10, 3, FALSE)</code>
INDEX/MATCH	Combines two functions to search and retrieve data flexibly.	<code>=INDEX(B2:B10, MATCH("John", A2:A10, 0))</code>
SUMPRODUCT	Multiplies arrays and sums the resulting products, ideal for conditional calculations.	<code>=SUMPRODUCT((A2:A10="East")*(B2:B10&gt;100)*(C2:C10))</code>
SUMIF/COUNTIF	Conditionally sums or counts values in a range based on a single criterion.	<code>=SUMIF(A2:A10, "&gt;500", B2:B10)</code> and <code>=COUNTIF(A2:A10, "Apple")</code>
FILTER	Extracts data that meets specific criteria dynamically.	<code>=FILTER(A2:C10, B2:B10="East")</code>
SORT/SORTBY	Dynamically sorts data in ascending or descending order.	<code>=SORT(A2:C10, 2, 1)</code> and <code>=SORTBY(A2:C10, C2:C10, -1)</code>
UNIQUE	Returns a list of unique values from a dataset.	<code>=UNIQUE(A2:A10)</code>
TEXTJOIN	Combines text from multiple cells into one, with a specified delimiter.	<code>=TEXTJOIN(" ", TRUE, A2:A5)</code>

Read also: What is an Interface in Java? A Powerful Guide with Examples 2025 The XLOOKUP function is the champion of lookup formulas in Excel, introduced in Excel 2021 and Microsoft 365. It eliminates the limitations of VLOOKUP and handles errors gracefully. Example: If you have a list of product IDs and their prices, you can use XLOOKUP to find the price of any product instantly. Product IDPriceP001500P002700P003900 Formula: `=XLOOKUP("P002", A2:A4, B2:B4)`/This returns 700. Read also: Binary Search Tree (BST): A Comprehensive Guide 2025 Given text here Formula Example: `=INDEX(C2:C5, MATCH("P003", A2:A5, 0))` This returns the corresponding value for P003 from column C. SUMPRODUCT is a versatile function that goes beyond summing values. It's perfect for advanced conditional calculations. Key Use Cases: Calculate weighted averages. Perform conditional summations based on criteria. Combine multiple conditions in one formula. Advance Excel Formula Example: SalespersonRegionSalesJohnEast1200MaryWest900AlexEast1500 To calculate total sales for the East region: `=SUMPRODUCT((B2:B4="East")*(C2:C4))`This returns 2700. The FILTER function simplifies extracting specific data subsets. Why It's Powerful: Dynamic updates when the source data changes. Eliminates the need for manual filtering or complex formulas. Example: Extract sales data for the East region: `=FILTER(A2:C5, B2:B5="East")` SalespersonRegionSalesJohnEast1200AlexEast1500 These functions are essential for conditional summations and counts. Key Differences: SUMIF and COUNTIF handle a single condition. SUMIFS and COUNTIFS handle multiple conditions. Example: Calculate total sales for a specific region (East): `=SUMIF(B2:B5, "East", C2:C5)` Example (Multiple Conditions): Calculate sales for John in the East region: `=SUMIFS(C2:C5, A2:A5, "John", B2:B5, "East")` Sorting no longer requires static manual operations, thanks to SORT and SORTBY. Why Use These Functions? Dynamically sort data based on one or more criteria. Automatically update when the source data changes. Example: Sort sales data by region: `=SORT(A2:C5, 2, 1)` Extracting unique values has never been easier. Given a list of regions: East, West, East, North, use: `=UNIQUE(A2:A5)` Result: East, West, North. Combine text from multiple cells seamlessly with a delimiter. Example: If you have names in A2:A5, use: `=TEXTJOIN(" ", TRUE, A2:A5)` Result: "John, Mary, Alex, Sarah".

Advanced excel functions for accounting. Advanced excel functions for data analysis. Advanced excel functions for data analysis with examples. Advanced excel functions course. Advanced excel functions tutorial. Most important advanced excel functions. Basic and advanced excel functions. Advanced excel functions tutorialspoint pdf. Advanced excel functions for data analysis pdf. Advanced excel functions list with examples. Advanced excel functions and formulas pdf. Advanced excel functions reddit. Important advanced excel functions. Advanced excel functions youtube. Advanced excel functions examples.