

EXCEL FUNCTIONS – FULL LIST

This is a complete alphabetical list of all the Functions in Excel with a description. To see the syntax and a more in depth description, the function is a [link](#) to the Microsoft Excel site.

FUNCTION	TYPE AND DESCRIPTION
ABS function	Math and trigonometry: Returns the absolute value of a number
ACCRINT function	Financial: Returns the accrued interest for a security that pays periodic interest
ACCRINTM function	Financial: Returns the accrued interest for a security that pays interest at maturity
ACOS function	Math and trigonometry: Returns the arccosine of a number
ACOSH function	Math and trigonometry: Returns the inverse hyperbolic cosine of a number
ADDRESS function	Lookup and reference: Returns a reference as text to a single cell in a worksheet
AMORDEGRC function	Financial: Returns the depreciation for each accounting period by using a depreciation coefficient
AMORLINC function	Financial: Returns the depreciation for each accounting period
AND function	Logical: Returns TRUE if all of its arguments are TRUE
AREAS function	Lookup and reference: Returns the number of areas in a reference
ASC function	Text: Changes full-width (double-byte) English letters or katakana within a character string to half-width (single-byte) characters
ASIN function	Math and trigonometry: Returns the arcsine of a number
ASINH function	Math and trigonometry: Returns the inverse hyperbolic sine of a number
ATAN function	Math and trigonometry: Returns the arctangent of a number
ATAN2 function	Math and trigonometry: Returns the arctangent from x- and y-coordinates
ATANH function	Math and trigonometry: Returns the inverse hyperbolic tangent of a number
AVEDEV function	Statistical: Returns the average of the absolute deviations of data points from their mean
AVERAGE function	Statistical: Returns the average of its arguments
AVERAGEA function	Statistical: Returns the average of its arguments, including numbers, text, and logical values
AVERAGEIF function	Statistical: Returns the average (arithmetic mean) of all the cells in a range that meet a given criteria
AVERAGEIFS function	Statistical: Returns the average (arithmetic mean) of all cells that meet multiple criteria.
BAHTTEXT function	Text: Converts a number to text, using the ₮ (baht) currency format

BESSELI function	Engineering: Returns the modified Bessel function $I_n(x)$
BESSELJ function	Engineering: Returns the Bessel function $J_n(x)$
BESSELK function	Engineering: Returns the modified Bessel function $K_n(x)$
BESSELY function	Engineering: Returns the Bessel function $Y_n(x)$
BETADIST function	Statistical: Returns the beta cumulative distribution function
BETAINV function	Statistical: Returns the inverse of the cumulative distribution function for a specified beta distribution
BIN2DEC function	Engineering: Converts a binary number to decimal
BIN2HEX function	Engineering: Converts a binary number to hexadecimal
BIN2OCT function	Engineering: Converts a binary number to octal
BINOMDIST function	Statistical: Returns the individual term binomial distribution probability
CALL function	Add-in and Automation: Calls a procedure in a dynamic link library or code resource
CEILING function	Math and trigonometry: Rounds a number to the nearest integer or to the nearest multiple of significance
CELL function	Information: Returns information about the formatting, location, or contents of a cell
CHAR function	Text: Returns the character specified by the code number
CHIDIST function	Statistical: Returns the one-tailed probability of the chi-squared distribution
CHIINV function	Statistical: Returns the inverse of the one-tailed probability of the chi-squared distribution
CHITEST function	Statistical: Returns the test for independence
CHOOSE function	Lookup and reference: Chooses a value from a list of values
CLEAN function	Text: Removes all nonprintable characters from text
CODE function	Text: Returns a numeric code for the first character in a text string
COLUMN function	Lookup and reference: Returns the column number of a reference
COLUMNS function	Lookup and reference: Returns the number of columns in a reference
COMBIN function	Math and trigonometry: Returns the number of combinations for a given number of objects
COMPLEX function	Engineering: Converts real and imaginary coefficients into a complex number
CONCATENATE function	Text: Joins several text items into one text item
CONFIDENCE function	Statistical: Returns the confidence interval for a population mean
CONVERT function	Engineering: Converts a number from one measurement system to another
CORREL function	Statistical: Returns the correlation coefficient between two data sets

COS function	Math and trigonometry: Returns the cosine of a number
COSH function	Math and trigonometry: Returns the hyperbolic cosine of a number
COUNT function	Statistical: Counts how many numbers are in the list of arguments
COUNTA function	Statistical: Counts how many values are in the list of arguments
COUNTBLANK function	Statistical: Counts the number of blank cells within a range
COUNTIF function	Statistical: Counts the number of cells within a range that meet the given criteria
COUNTIFS function	Statistical: Counts the number of cells within a range that meet multiple criteria
COUPDAYBS function	Financial: Returns the number of days from the beginning of the coupon period to the settlement date
COUPDAYS function	Financial: Returns the number of days in the coupon period that contains the settlement date
COUPDAYSNC function	Financial: Returns the number of days from the settlement date to the next coupon date
COUPNCD function	Financial: Returns the next coupon date after the settlement date
COUPNUM function	Financial: Returns the number of coupons payable between the settlement date and maturity date
COUPPCD function	Financial: Returns the previous coupon date before the settlement date
COVAR function	Statistical: Returns covariance, the average of the products of paired deviations
CRITBINOM function	Statistical: Returns the smallest value for which the cumulative binomial distribution is less than or equal to a criterion value
CUBEKPIMEMBER function	Cube: Returns a key performance indicator (KPI) name, property, and measure, and displays the name and property in the cell. A KPI is a quantifiable measurement, such as monthly gross profit or quarterly employee turnover, used to monitor an organization's performance.
CUBEMEMBER function	Cube: Returns a member or tuple in a cube hierarchy. Use to validate that the member or tuple exists in the cube.
CUBEMEMBERPROPERTY function	Cube: Returns the value of a member property in the cube. Use to validate that a member name exists within the cube and to return the specified property for this member.
CUBERANKEDMEMBER function	Cube: Returns the nth, or ranked, member in a set. Use to return one or more elements in a set, such as the top sales performer or top 10 students.
CUBESET function	Cube: Defines a calculated set of members or tuples by sending a set expression to the cube on the server, which creates the set, and then returns that set to Microsoft Office Excel.
CUBESETCOUNT function	Cube: Returns the number of items in a set.
CUBEVALUE function	Cube: Returns an aggregated value from a cube.

CUMIPMT function	Financial: Returns the cumulative interest paid between two periods
CUMPRINC function	Financial: Returns the cumulative principal paid on a loan between two periods
DATE function	Date and time: Returns the serial number of a particular date
DATEVALUE function	Date and time: Converts a date in the form of text to a serial number
DAVERAGE function	Database: Returns the average of selected database entries
DAY function	Date and time: Converts a serial number to a day of the month
DAYS360 function	Date and time: Calculates the number of days between two dates based on a 360-day year
DB function	Financial: Returns the depreciation of an asset for a specified period by using the fixed-declining balance method
DCOUNT function	Database: Counts the cells that contain numbers in a database
DCOUNTA function	Database: Counts nonblank cells in a database
DDB function	Financial: Returns the depreciation of an asset for a specified period by using the double-declining balance method or some other method that you specify
DEC2BIN function	Engineering: Converts a decimal number to binary
DEC2HEX function	Engineering: Converts a decimal number to hexadecimal
DEC2OCT function	Engineering: Converts a decimal number to octal
DEGREES function	Math and trigonometry: Converts radians to degrees
DELTA function	Engineering: Tests whether two values are equal
DEVSQ function	Statistical: Returns the sum of squares of deviations
DGET function	Database: Extracts from a database a single record that matches the specified criteria
DISC function	Financial: Returns the discount rate for a security
DMAX function	Database: Returns the maximum value from selected database entries
DMIN function	Database: Returns the minimum value from selected database entries
DOLLAR function	Text: Converts a number to text, using the \$ (dollar) currency format
DOLLARDE function	Financial: Converts a dollar price, expressed as a fraction, into a dollar price, expressed as a decimal number
DOLLARFR function	Financial: Converts a dollar price, expressed as a decimal number, into a dollar price, expressed as a fraction
DPRODUCT function	Database: Multiplies the values in a particular field of records that match the criteria in a database
DSTDEV function	Database: Estimates the standard deviation based on a sample of selected database entries

DSTDEVP function	Database: Calculates the standard deviation based on the entire population of selected database entries
DSUM function	Database: Adds the numbers in the field column of records in the database that match the criteria
DURATION function	Financial: Returns the annual duration of a security with periodic interest payments
DVAR function	Database: Estimates variance based on a sample from selected database entries
DVARP function	Database: Calculates variance based on the entire population of selected database entries
EDATE function	Date and time: Returns the serial number of the date that is the indicated number of months before or after the start date
EFFECT function	Financial: Returns the effective annual interest rate
EOMONTH function	Date and time: Returns the serial number of the last day of the month before or after a specified number of months
ERF function	Engineering: Returns the error function
ERFC function	Engineering: Returns the complementary error function
ERROR.TYPE function	Information: Returns a number corresponding to an error type
EUROCONVERT function	Add-in and Automation: Converts a number to euros, converts a number from euros to a euro member currency, or converts a number from one euro member currency to another by using the euro as an intermediary (triangulation).
EVEN function	Math and trigonometry: Rounds a number up to the nearest even integer
EXACT function	Text: Checks to see if two text values are identical
EXP function	Math and trigonometry: Returns e raised to the power of a given number
EXPONDIST function	Statistical: Returns the exponential distribution
FACT function	Math and trigonometry: Returns the factorial of a number
FACTDOUBLE function	Math and trigonometry: Returns the double factorial of a number
FALSE function	Logical: Returns the logical value FALSE
FDIST function	Statistical: Returns the F probability distribution
FIND, FINDB functions	Text: Finds one text value within another (case-sensitive)
FINV function	Statistical: Returns the inverse of the F probability distribution
FISHER function	Statistical: Returns the Fisher transformation
FISHERINV function	Statistical: Returns the inverse of the Fisher transformation
FIXED function	Text: Formats a number as text with a fixed number of decimals
FLOOR function	Math and trigonometry: Rounds a number down, toward zero
FORECAST function	Statistical: Returns a value along a linear trend

[Click here to download full PDF material](#)