

# EXCEL FUNCTION SHEET

## EXCEL FUNCTIONS



### Logical

<b>AND</b>	Test multiple conditions until all are true
<b>OR</b>	Generate the logical value TRUE
<b>IF</b>	Test for a specific condition
<b>IFERROR</b>	Trap and handle errors
<b>IFNA</b>	Trap and handle #N/A errors
<b>IFS</b>	Test multiple conditions, return first true
<b>IS</b>	Reverse arguments to results
<b>ISBLANK</b>	Test multiple conditions with IS
<b>ISERR</b>	Return multiple values, return first error
<b>ISFORMULA</b>	Generate the logical value TRUE
<b>ISNUMBER</b>	Return whether IS

### Date and Time

<b>DATE</b>	Create a date with year, month, and day
<b>DATEADD</b>	Days, months, or years between two dates
<b>DATEDIF</b>	Convert a date in text format to a valid date
<b>DAY</b>	Day as a number (1-31) from a date
<b>DAYOFWEEK</b>	Days between dates
<b>EDATE</b>	Days between two dates in a full day year
<b>EOMONTH</b>	Get days up to month in future or past
<b>INT</b>	Get day of month & month in future or past
<b>ISBLANK</b>	Return as a number (1-31) from a time
<b>ISNUMBER</b>	Get week number for a given date
<b>ISREF</b>	Minute as a number (0-59) from time
<b>ISERROR</b>	Minute as a number (1-12) from a date
<b>ISFORMULA</b>	Number of working days between two dates
<b>ISFORMULA</b>	Work days between two dates
<b>ISFORMULA</b>	Current date and time
<b>ISFORMULA</b>	Second as a number (0-59) from a time
<b>ISFORMULA</b>	Create a time with hours, minutes, and seconds
<b>ISFORMULA</b>	Get a valid time from a text string
<b>ISFORMULA</b>	Current date
<b>ISFORMULA</b>	Day of the week as a number
<b>ISFORMULA</b>	Week number for a given date
<b>ISFORMULA</b>	Days in working days in the future or past
<b>ISFORMULA</b>	Days in working days in the future or past
<b>ISFORMULA</b>	Has blank & text
<b>ISFORMULA</b>	Number of a year between two dates

### Lookup and Reference

<b>ADDRESS</b>	Convert cell address from row and column numbers
<b>INDEX</b>	Get the number of rows in a reference
<b>INDIRECT</b>	Get a value from a text-based reference
<b>LOOKUP</b>	Get the column number of a reference
<b>LOOKUP</b>	Get number of columns in an array or reference
<b>LOOKUP</b>	Return first value from a data type
<b>LOOKUP</b>	Get the formula in a cell
<b>LOOKUP</b>	Return data from a pivot table in a formula
<b>LOOKUP</b>	Look up a value in a table arranged horizontally
<b>LOOKUP</b>	Convert to decimal list

### Text

<b>CONCAT</b>	Get a value in a text or number-based reference
<b>CONCAT</b>	Create a reference from text
<b>CONCAT</b>	Look up a value in a pivot table range
<b>CONCAT</b>	Get the position of a value in an array
<b>CONCAT</b>	Create a reference from first given starting point
<b>CONCAT</b>	Get the row number of a reference
<b>CONCAT</b>	Get the number of rows in an array or reference
<b>CONCAT</b>	Get the number of rows in a range of cells
<b>CONCAT</b>	Convert a value in a table to a matching first column

### Text

<b>CHAR</b>	Get a character from a number
<b>CHAR</b>	Strip non-printable characters from text
<b>CHAR</b>	Get the code for a character
<b>CHAR</b>	Join text values without delimiters
<b>CHAR</b>	Join text together
<b>CHAR</b>	Convert a number to text in currency format
<b>CHAR</b>	Compare two text strings
<b>CHAR</b>	Get location substring in a string
<b>CHAR</b>	Format number as text with fixed decimals
<b>CHAR</b>	Extract text from the left of a string
<b>CHAR</b>	Get the length of text
<b>CHAR</b>	Convert text to lower case
<b>CHAR</b>	Extract text from inside a string
<b>CHAR</b>	Convert text to number with custom separator
<b>CHAR</b>	Capitalize the first letter in each word
<b>CHAR</b>	Replace text based on location
<b>CHAR</b>	Replace text as specified
<b>CHAR</b>	Extract text from the right of a string
<b>CHAR</b>	Get the location of substring in a string
<b>CHAR</b>	Replace text based on position
<b>CHAR</b>	Convert a number to text in a number format
<b>CHAR</b>	Get text value with a formula
<b>CHAR</b>	Remove extra spaces from text
<b>CHAR</b>	Get Unicode character by number
<b>CHAR</b>	Get number from Unicode character
<b>CHAR</b>	Convert text to upper case
<b>CHAR</b>	Convert text to a number

### Dynamic Array

<b>ARRAYFORMULA</b>	Converts array or range to an array
<b>ARRAYFORMULA</b>	Apply function to columns
<b>ARRAYFORMULA</b>	Apply function to rows
<b>ARRAYFORMULA</b>	Return specific columns from an array
<b>ARRAYFORMULA</b>	Return specific rows from an array
<b>ARRAYFORMULA</b>	Remove portion of an array
<b>ARRAYFORMULA</b>	Repeat array by adding rows or columns
<b>ARRAYFORMULA</b>	Match output with given criteria
<b>ARRAYFORMULA</b>	Combine output of array formulas
<b>ARRAYFORMULA</b>	Create custom function
<b>ARRAYFORMULA</b>	Assign variables inside formula
<b>ARRAYFORMULA</b>	Create array with calculated values



<b>STDEV</b>	Get standard deviation of a sample
<b>STDEV</b>	Get standard deviation of population
<b>STDEV</b>	Get standard deviation for a population
<b>STDEV</b>	Calculate mean including outliers
<b>STDEV</b>	Get variance of a sample
<b>STDEV</b>	Get variance of population
<b>STDEV</b>	Get variance of a sample
<b>STDEV</b>	Get variance of a sample
<b>STDEV</b>	Get variance of a population
<b>STDEV</b>	Get variance of a population

### Database

<b>DAVERAGE</b>	Get average from matching records
<b>DCOUNT</b>	Count matching records in a database
<b>DCOUNT</b>	Count matching records in a database
<b>DCOUNT</b>	Get value from matching record
<b>DCOUNT</b>	Get row from matching records
<b>DCOUNT</b>	Get row from matching records
<b>DCOUNT</b>	Get product from matching records
<b>DCOUNT</b>	Get the deviation of sample in matching records
<b>DCOUNT</b>	Get the deviation of population in matching records
<b>DCOUNT</b>	Get row from matching records
<b>DCOUNT</b>	Get sample variance for matching records
<b>DCOUNT</b>	Get population variance for matching records

### Web

<b>WEBSERVICE</b>	Get JSON, spreadsheet using
<b>WEBSERVICE</b>	Get data from Web with XPath
<b>WEBSERVICE</b>	Get data from a web service

■ Improve productivity within MS Excel by learning these functions

■ Includes short description of each function and grouped to assist with accessibility

■ Designed for A5 paper size, so print these out and keep them close by



# Microsoft Excel Functions Vol 1 Microsoft Excel Functions Vol 1

**Lei Shi**



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*Microsoft Excel Functions Vol 1* Palani Murugappan, 2014-07-01 For most of us today the personal computer has become part and parcel of our lives at home and the office Our daily routine involves a fair deal of analyzing data converting it to information and interpreting it With this in mind Microsoft Excel is used to perform the number crunching to achieve the desired result What this book focuses on is the many functions that can be used on a daily basis to analyze the data further before making a decision It touches on examples for calculating a salesperson's commission looking up a table to retrieve employee's details such as contact number salary age etc analyzing the best mode of delivery for a package retrieving supplier's credit limit and performing data validation for a given range or list Yes all this is possible using Microsoft Excel's built-in functions the main focus of this book The book assumes that the reader is already familiar with the basics of Microsoft Excel such as copying editing formatting and performing basic calculations It is highlighted with visual graphics wherever possible to enhance the understanding of the reader further

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web light is a kind of wave somewhat like ocean waves or sound waves waves carry energy from one place to another but light waves don t need water or air or anything to travel they can move even in empty space unlike sound waves light waves are made of a mixture of electricity and magnetism so they are called electromagnetic waves

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