

Excel Formulas



Count

Count between dates by age range

COUNTIFS,FIND,LEFT,RIGHT

Count cells between dates

COUNTIFS,DATE

Count cells between two numbers

COUNTIFS,COUNTIF

Count cells equal to

COUNTIF

Count cells equal to case sensitive

SUM,PRODUCT,EXACT

Count cells equal to either x or y

COUNTIF

Count cells equal to one of many things

COUNTIFS,SUM,PRODUCT

Count cells greater than

COUNTIF

Count cells less than

COUNTIF

Count cells not between two numbers

COUNTIFS,SUM,PRODUCT

Count cells not equal to

COUNTIF

Count cells not equal to many things

MATCH,ISNA,SUM,PRODUCT,COUNT,ACOUNTIF

Excel Formulas

X

Count

Count cells greater than

COUNTIF

Count cells less than

COUNTIF

Count cells not between two numbers

COUNTIFSUMPRODUCT

Count cells not equal to

COUNTIF

Count cells not equal to many things

MATCHISNA SUMPRODUCTCOUNTACOUNTIF

Count cells not equal to x or y

COUNTIFSSUMPRODUCT

Count cells over 100 characters

SUMPRODUCTLEN

Count cells that are blank

COUNTBLANKCOUNTA

Count cells that are not blank

COUNTACOUNTIFCOUNTIFS

Count cells that begin with

COUNTIFCOUNTIFS

Count cells that contain either x or y

COUNTIFSUMPRODUCTISNUMBERFIND

Count cells that contain errors

SUMPRODUCTISERRORISERRSUM



Excel Formulas



Count

Count cells that contain five characters

COUNTIF

Count cells that contain negative numbers

COUNTIF

Count cells that contain numbers

COUNTSUMPRODUCT

Count cells that contain odd numbers

SUMPRODUCTMOD

Count cells that contain positive numbers

COUNTIF

Count cells that contain specific text

COUNTIFSUMPRODUCTFINDISNUMBER

Count cells that contain text

TIFISTEXTSUMPRODUCTCOUNTIFS

Count cells that do not contain

COUNTIF

Count cells that do not contain errors

ISERRORTOTALSUMPRODUCTISERR

Count cells that do not contain many strings

ISNUMBERSEARCHMMULTTRANSPOSE

Count cells that end with

COUNTIF

Count dates by day of week

SUMPRODUCTWEEKDAY

Excel Formulas



Count

Count dates in given year

YEARSUMPRODUCT

Count if row meets internal criteria

SUMPRODUCT

Count if row meets multiple internal criteria

SUMPRODUCT

Count if two criteria match

COUNTIFSSUMPRODUCT

Count items in list

COUNTIFS

Count long numbers without COUNTIF

SUMPRODUCTCOUNTIF

Count matches between two columns

SUMPRODUCT

Count matching values in matching columns

SUMPRODUCTISNUMBERMATCHSEARCH

Count multiple criteria with NOT logic

SUMPRODUCTISNAMATCH

Count numbers by range with COUNTIFS

COUNTIFS

Count numbers that begin with

SUMPRODUCTLEFT

Count numbers third digit equals 3

SUMPRODUCTMID

Excel Formulas



Count

Count occurrences in entire workbook

COUNTIFSUMPRODUCT

Count paired items in listed combinations

COUNTIFSConcat

Count rows that contain specific values

MMULTCOLUMNTRANSPOSE

Count rows with at least n matching values

MMULTCOLUMNTRANSPOSE

Count rows with multiple OR criteria

SUMPRODUCT

Count rows with OR logic

SUMPRODUCT

Count sold and remaining

COUNTA

Count total matches in two ranges

SUMPRODUCTCOUNTIF

Count unique dates

UNIQUECOUNTCOUNTIFSUMPRODUCT

Count unique numeric values in a range

FREQUENCYSUMCOUNTIF

Count unique numeric values with criteria

FREQUENCYSUM

Count unique text values in a range

FREQUENCYMATCHROWSUMPRODUCT

Two-way summary count with COUNTIFS

COUNTIFS

Excel Formulas



Count

Count unique text values with criteria

FREQUENCYMATCHROWSUM

Count unique values in a range with COUNTIF

SUMPRODUCTCOUNTIF

Count visible rows in a filtered list

SUBTOTAL

Count visible rows only with criteria

SUBTOTALOFFSETSUMPRODUCT

COUNTIF with non-contiguous range

COUNTIFINDIRECT

COUNTIFS with multiple criteria and OR logic

COUNTIFS

Histogram with FREQUENCY

FREQUENCY

Running count of occurrence in list

COUNTIF

Summary count by month with COUNTIFS

COUNTIFSEDATE

Summary count of non-blank categories

COUNTIFS

Summary count with COUNTIF

COUNTIF

Summary count with percentage breakdown

COUNTIFCOUNTA

SUMPRODUCT count multiple OR criteria

SUMPRODUCT

Excel Formulas



Sum

3D sum multiple worksheets

SUM

3D SUMIF for multiple worksheets

SUMPRODUCTSUMIFINDIRECT

Calculate running total

SUM

Subtotal by color

SUMIF

Subtotal by invoice number

SUMIFCOUNTIF

Subtotal invoices by age

SUMIF

Sum bottom n values

SUMPRODUCTSMALLSUMROWINDIRECT

Sum bottom n values with criteria

SMALLSUM

Sum by group

SUMIF

Sum by month

SUMIFSEOMONTH

Sum by month ignore year

SUMPRODUCTMONTH

Sum by month in columns

SUMIFSEOMONTH

Excel Formulas



Sum

Sum by week

Sum by week number

Sum by weekday

Sum columns based on adjacent criteria

Sum entire column

Sum every n rows

Sum every nth column

Sum first n matching values

Sum formulas only

Sum if begins with

Sum if between

Sum if by year

SUMIFS

SUMIFSWEEKNUM

SUMPRODUCTWEEKDAY

SUMPRODUCT

SUM

SUMOFFSET

SUMPRODUCTCOLUMNMOD

FILTERSEQUENCEINDEXSUM

SUMPRODUCTISFORMULANOT

SUMIFSUMIFS

SUMIFS

SUMIFSDATE

Excel Formulas



Sum

Sum if cell contains text in another cell

SUMIFS

Sum if cells are equal to

SUMIFS

Sum if cells are not equal to

SUMIFS

Sum if cells contain an asterisk

SUMIFS

Sum if cells contain both x and y

SUMIFS

Sum if cells contain either x or y

SUMIFS
SUMPRODUCT
ISNUMBER

Sum if cells contain specific text

FIND
SEARCH

SUMIFS

Sum if date is between

SUMIFS

Sum if date is greater than

SUMIFS
SUMIFSDATE

Sum if ends with

SUMIFS

Sum if equal to either x or y

SUMIFS
SUMPRODUCT

Sum if equal to one of many things

SUMIFS
SUMPRODUCT

Excel Formulas



Sum

Sum if greater than

SUMIF SUMIFS

Sum if less than

SUMIFSUMIFS

Sum if multiple criteria

SUMIFS

Sum if not blank

SUMIFSUMIFS

Sum if one criteria multiple columns

SUMPRODUCT

Sum last n columns

INDEXCOLUMNSUM

Sum matching columns

SUMPRODUCTLEFT

Sum matching columns and rows

SUMPRODUCT

Sum sales in last 30 days by ID

SUMIFSTODAY

Sum through n months

OFFSETSUM

Sum top n values

SUMPRODUCTLARGESUMROW

Sum top n values with criteria

INDIRECT

SUMPRODUCTLARGE

Excel Formulas



Sum

Sum visible rows in a filtered list

SUMIFS with horizontal range

SUMIFS with multiple criteria and OR logic

SUMPRODUCT with IF

SUBTOTAL

SUMIFS

SUMIFSSUM

SUMPRODUCT

Excel Formulas



Average

Average and ignore errors

AVERAGEIFAGGREGATE

Average by month

AVERAGEIFSEOMONTH

Average if criteria not blank

AVERAGEIFS

Average last 5 values

OFFSETCOUNTAVERAGE

Average last 5 values in columns

OFFSETCOUNTAVERAGE

Average numbers

AVERAGE

Average numbers ignore zero

AVERAGEIFAVGAGEIFS

Average pay per week

SUMPRODUCTCOUNTIF

Excel Formulas

X

Average

Average response time per month

AVERAGEIFSEOMONTH

Average the last 3 numeric values

LOOKUPLARGEROWAVERAGEINDIRECT

Average top 3 scores

LARGEAVGAGE

Average with multiple criteria

AVERAGEIFS

Moving average formula

OFFSETAVERAGEMIN

Must pass 4 out of 6 subjects

IFCOUNTIFAND

Weighted average

SUMPRODUCTSUMAVERAGE



Excel Formulas



Dynamic array

Basic filter example

FILTER

Combine ranges

INDEXSEQUENCEROWSCOLUMNSLET

Count unique values

UNIQUECOUNTA

Count unique values with criteria

UNIQUEFILTERLENSUMCOUNTA

Distinct values

UNIQUE

Extract common values from two lists

FILTERCOUNTIFUNIQUESORT

Filter and transpose horizontal to vertical

FILTERTRANSPOSE

Filter by date

FILTERMONTH

Filter contains one of many

FILTERISNUMBERMATCH

Filter data between dates

FILTER

Filter every nth row

FILTERSEQUENCEMODROW

Excel Formulas

X

Dynamic array

Filter exclude blank values

FILTER

Filter horizontal data

FILTERTRANSPOSE

FILTER on first or last n values

FILTERSEQUENCEINDEX

FILTER on top n values

FILTERLARGESORT

FILTER on top n values with criteria

FILTERLARGESORT

Filter on upcoming birthdays

FILTERSORTBYLETTEXTINDEXSEQUENCE

Filter text contains

FILTERSEARCHISNUMBER

Filter this or that

FILTER

Filter to extract matching values

FILTERCOUNTIFCOUNTIFS

FILTER to remove columns

FILTERMATCHISNUMBER

FILTER with complex multiple criteria

FILTERLEFTMONTHNOT

Excel Formulas



Dynamic array

Filter with exact match

FILTERSEARCHISNUMBER

FILTER with multiple OR criteria

FILTERISNUMBERMATCH

Generate random text strings

SORTBYRANDARRAYCOUNTSEQUENCECHAR

Get column totals

MMULTSEQUENCECOLUMNS

Get row totals

MMULTSEQUENCECOLUMNS

LAMBDA append range

LAMBDALETINDEXSEQUENCE

LAMBDA append range horizontal

LAMBDALETINDEXSEQUENCE

LAMBDA contains one of many

LAMBDASUMPRODUCTSUMISNUMBERSEARCH

LAMBDA contains which things

LAMBDALETISNUMBERSEARCHSORTBY

LAMBDA count words

LAMBDASUBSTITUTETRIMLEN

LAMBDA replace characters recursive

LAMBALEFTMIDLEN

Excel Formulas



Dynamic array

LAMBDA split text to array

LAMBDA strip characters

Minimum value if unique

Random list of names

Sequence of days

Sequence of months

Sequence of times

Sequence of years

Sort birthdays by month and day

Sort by custom list

Sort by one column

LAMBDAFILTERXMLTRANSPOSE

LAMBDALETMIDMATCHISNUMBER

UNIQUEMINCOUNTIF

SORTBYRANDARRAYCOUNTSEQUENCE

SEQUENCEWORKDAY.INTL

SEQUENCEEDATEEOMMONTH

SEQUENCETIME

SEQUENCEYEARMONTHDAY

SORTBYTEXT

SORTBYMATCH

SORT

Excel Formulas



Dynamic array

Sort by random

SORTBYRANDARRAYCOUNTA

Sort by two columns

SORTBY

Sort text by length

SORTBYLEN

Sort values by columns

SORTSORTBY

Unique values

UNIQUE

Unique values by count

UNIQUEFILTERCOUNTIF

Unique values ignore blanks

UNIQUEFILTER

Unique values with criteria

UNIQUEFILTER

Unique values with multiple criteria

UNIQUEFILTER

UNIQUE with non-adjacent columns

FILTERUNIQUESORT

XLOOKUP match any column

MMULTSEQUENCECOLUMNS

Excel Formulas



Min and Max

Cap percentage between 0 and 100

MINMAXMEDIANIF

First in, last out times

MINIFSMAXIFSMAX IF

Large with criteria

LARGE

Larger of two values

MAX

Max of every nth column

MAXCOLUMNMOD

Max value ignore all errors

AGGREGATEMAXIFS

Max value in given month

MAXIFAGGREGATETEXTINDEX MATCH

Max value on given weekday

MAXIFAGGREGATE

Max value with variable column

INDEXMATCHMAXFILTERCOUNTIF

Maximum if multiple criteria

MAXIFMAXIFS

Maximum value

MAXMAXIFS

Maximum value if

MAXIFMAXIFS

Excel Formulas



Min and Max

Minimum difference if not blank

MINIFMINIFS

Minimum if multiple criteria

MINIFMINIFS

Minimum value

MIN

Minimum value if

MINIFMINIFS

Name of nth largest value

LARGEINDEXMATCHXLOOKUP

Name of nth largest value with criteria

LARGEINDEXMATCHIFXLOOKUP

nth largest value

LARGE

nth largest value with criteria

LARGE

nth largest value with duplicates

MAXIF

nth smallest value

SMALL

nth smallest value with criteria

SMALL

Smaller of two values

MIN

Excel Formulas



Lookup

Approximate match with multiple criteria

Basic INDEX MATCH approximate

Basic INDEX MATCH exact

Basic Tax Rate calculation with VLOOKUP

Break ties with helper column and COUNTIF

Calculate grades with VLOOKUP

Calculate shipping cost with VLOOKUP

Case sensitive lookup

Commission split formula example

Count missing values

Dynamic lookup table with INDIRECT

Exact match lookup with INDEX and MATCH

INDEX MATCH IF

INDEX MATCH

INDEX MATCH

VLOOKUP

SMALL INDEX MATCH

VLOOKUP

VLOOKUP

EXACT INDEX MATCH XLOOKUP

VLOOKUP

COUNTIF SUMPRODUCT MATCH ISNA

INDIRECT VLOOKUP

INDEX MATCH EXACT



Excel Formulas



Lookup

Exact match lookup with SUMPRODUCT

SUMPRODUCTEXACT

Extract all matches with helper column

INDEXMATCHANDSUM

Extract all partial matches

INDEXAGGREGATEISNUMBERSEARCH

Extract multiple matches into separate columns

INDEXSMALLIFERRORROWCOLUMNS

Extract multiple matches into separate rows

INDEXSMALLIFERRORROWS

Faster VLOOKUP with 2 VLOOKUPS

VLOOKUPNA

Find closest match

INDEXMATCHABSMINXLOOKUP

Find longest string in column

INDEXMATCHMAXLEN

Find longest string with criteria

INDEXMATCHMAXLEN

Find lowest n values

SMALLINDEXMATCH

Find missing values

COUNTIFVLOOKUPMATCH

First match in range with wildcard

INDEXMATCH

Excel Formulas

Lookup



Get address of lookup result

INDEXMATCHCELL

Get cell content at given row and column

ADDRESSINDIRECTINDEX

Get employee information with **VLOOKUP**

VLOOKUP

Get first match cell contains

INDEXMATCHISNUMBERSEARCHAGGREGATE

Get first non-blank value in a list

INDEXMATCHISBLANK

Get first text value in a list

VLOOKUP

Get first text value with **HLOOKUP**

HLOOKUP

Get information corresponding to max value

MAXMATCHINDEX

Get last match

INDEXMATCHMAXROW

Get last match cell contains

LOOKUPSEARCH

Get location of value in 2D array

SUMPRODUCTROWCOLUMN

Get nth match

SMALLIFMINROW

Excel Formulas

Lookup

Get nth match with INDEX / MATCH

INDEXSMALL

Get nth match with VLOOKUP

VLOOKUPCOUNTIF

INDEX and MATCH descending order

INDEXMATCH

Index and match on multiple columns

MMULTCOLUMNTRANSPOSEINDEX

INDEX and MATCH with multiple criteria

INDEXMATCH

INDEX with variable array

INDEXMATCHCHOOSE

Join tables with INDEX and MATCH

INDEXMATCH

Left lookup with INDEX and MATCH

INDEXMATCH

Left lookup with VLOOKUP

VLOOKUPCHOOSE

Lookup and sum column

INDEXMATCHSUM

Lookup entire column

INDEXMATCH

Lookup entire row

INDEXMATCH



Excel Formulas

X

Lookup

Lookup last file version

LOOKUPISNUMBERFIND

Lookup latest price

LOOKUP

Lookup lowest Monday tide

INDEXMATCHIFMINXLOOKUP

Lookup lowest value

INDEXMATCHMIN

Lookup up cost for product or service

VLOOKUP

Lookup value between two numbers

LOOKUP

Lookup with variable sheet name

VLOOKUPINDIRECT

Match first does not begin with

INDEXMATCHLEFT

Match first error

MATCHISERROR

Match first occurrence does not contain

INDEXMATCHISNUMBERSEARCH

Match long text

MATCHLEFTMIDEXACT

Match next highest value

INDEXMATCH



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Excel Formulas

Lookup



Max if criteria match

MAXIFMAXIFS

Merge tables with VLOOKUP

VLOOKUP

Multi-criteria lookup and transpose

INDEXMATCH

Multiple chained VLOOKUPs

VLOOKUPIFERROR

Multiple matches in comma separated list

TEXTJOIN

Nearest location with XMATCH

INDEXXMATCH

Next largest match with the MATCH function

INDEXMATCH

Partial match with numbers and wildcard

MATCHTEXT

Partial match with VLOOKUP

VLOOKUP

Position of first partial match

MATCHINDEX

Position of max value in list

MAXMATCH

Reverse VLOOKUP example

VLOOKUPCHOOSEINDEXMATCHXLOOKUP

Excel Formulas



Lookup

Self-contained VLOOKUP

Sum lookup values using SUMIF

Sum range with INDEX

SUMIFS multiple criteria lookup in table

Two-way approximate match multiple criteria

Two-way lookup with INDEX and MATCH

Two-way lookup with VLOOKUP

VLOOKUP by date

VLOOKUP from another sheet

VLOOKUP from another workbook

VLOOKUP if blank return blank

VLOOKUP override output

VLOOKUP

SUMIFS

INDEXSUM

SUMIFS

INDEXMATCHIF

INDEXMATCH

VLOOKUPMATCH

VLOOKUP

VLOOKUP

VLOOKUP

VLOOKUPIF

VLOOKUP

Excel Formulas



Lookup

VLOOKUP with 2 lookup tables

VLOOKUP with multiple criteria

VLOOKUP with numbers and text

VLOOKUP with two client rates

VLOOKUP without #N/A error

XLOOKUP basic approximate match

XLOOKUP basic exact match

XLOOKUP case-sensitive

XLOOKUP date of max value

XLOOKUP horizontal lookup

XLOOKUP last match

XLOOKUP latest by date

XLOOKUP lookup left

VLOOKUP

VLOOKUP

VLOOKUPTEXTIFERROR

VLOOKUP

VLOOKUPIFERRORIFNA

XLOOKUP

XLOOKUP

XLOOKUPEXACT

XLOOKUPINDEXMATCH

XLOOKUP

XLOOKUP

XLOOKUPMAX

XLOOKUP

Excel Formulas

Lookup

XLOOKUP lookup row or column

XLOOKUP match text contains

XLOOKUP rearrange columns

XLOOKUP two-way exact match

XLOOKUP wildcard match example

XLOOKUP with boolean OR logic

XLOOKUP with complex multiple criteria

XLOOKUP with logical criteria

XLOOKUP with multiple criteria

XMATCH reverse search

Zodiac sign lookup

XLOOKUP

XLOOKUPSEARCHFINDISNUMBER

XLOOKUP

XLOOKUPINDEXMATCH

XLOOKUPTRANSPOSE

XLOOKUP

FILTERLEFTMONTHNOT

XLOOKUP

XLOOKUP

XMATCHINDEX

INDEXMATCHTEXTDATEVALUEIFNAYEAR



Excel Formulas



Jf

If cell begins with x, y, or z

If cell contains

if cell contains this or that

If cell equals

If cell is blank

If cell is greater than

If cell is not blank

If cell is this OR that

If cell is x or y and z

If else

If not blank multiple cells

If NOT this or that

SUMCOUNTIF

IF

COUNTIFSUM

IF

IFISBLANK

IF

IFISBLANKNOT

IFOR

IFORAND

IF

IFISBLANKNOT

IFORNTO

Excel Formulas



If

If this AND that

If this AND that OR that

IF with boolean logic

IF with other calculations

IF with wildcards

Invoice status with nested if

Nested IF function example

Nested IF with multiple AND

Only calculate if not blank

Return blank if

Show checkmark if complete

Tax rate calculation with fixed base

Two-tier sales tax calculation

Win loss points calculation

IFAND

IFANDOR

IF

IFSUMANDAVERAGE

IF

IFTODAY

IF

IFANDOR

IFISBLANKCOUNTBLANKANDORCOUNT

IFISBLANKCOUNTBLANK

IFISBLANKNOT

IF

IF

VLOOKUPIF

Excel Formulas



Grouping

Categorize text with keywords

INDEXMATCHISNUMBERSEARCHXLOOKUP

Group arbitrary text values

VLOOKUP

Group numbers at uneven intervals

LOOKUP

Group numbers with VLOOKUP

VLOOKUP

Group times into 3 hour buckets

FLOOR

Group times into unequal buckets

VLOOKUP

If cell contains one of many things

INDEXMATCHISNUMBERSEARCH

Map inputs to arbitrary values

VLOOKUPCHOOSE

Map text to numbers

VLOOKUP

Running count group by n size

COUNTACEILING

Excel Formulas

X

Conditional formatting

Highlight 3 smallest values with criteria

SMALLAND

Conditional formatting column is blank

ORANDNOT

Conditional formatting date past due

TODAY

Conditional formatting dates overlap

SUMPRODUCT

Find duplicate values in two columns

COUNTIFAND

Gantt chart

AND

Gantt chart by week

AND

Gantt chart time schedule

ANDOR

Gantt chart with weekends

WEEKDAY

Excel Formulas

X

Conditional formatting

Highlight approximate match lookup
conditional formatting

LOOKUPORAND

Highlight blank cells

ISBLANKLEN

Highlight bottom values

SMALL

Highlight cells that begin with

COUNTIFFINDIFERROR

Highlight cells that contain

SEARCHFINDISNUMBER

Highlight cells that contain one of many

SEARCHFINDISNUMBERSUMPRODUCT

Highlight cells that end with

COUNTIFRIGHTLENEXACT

Highlight cells that equal

EXACT

Highlight column differences

EXACTNOT

Highlight data by quartile

QUARTILE

Highlight dates between

DATEAND

Highlight dates greater than

DATE

Excel Formulas



Conditional formatting

Highlight dates in same month and year

DATETEXT

Highlight dates in the next N days

TODAYAND

Highlight dates that are weekends

WEEKDAYOR

Highlight duplicate columns

SUMPRODUCTCOUNTIF

Highlight duplicate rows

COUNTIFS

COUNTIF

Highlight duplicate values

SUMPRODUCT

Highlight every other row

ISEVENISODDROWMOD

Highlight integers only

MOD

Highlight missing values

COUNTIF

Highlight multiples of specific value

MOD

Highlight numbers that include symbols

ISNUMBERMID

Excel Formulas



Conditional formatting

Highlight row and column intersection exact match

ORAND

Highlight rows that contain

SEARCHFIND

Highlight rows with blank cells

COUNTBLANK

Highlight rows with dates between

DATEAND

Highlight top values

LARGE

Highlight unique values

COUNTIF

Highlight unprotected cells

CELL

Highlight values between

AND

Highlight values not between X and Y

ANDNOT

Shade alternating groups of n rows

ROWCEILINGISEVENISODD

Excel Formulas

X

Data validation

Data validation allow numbers only

ISNUMBER

Data validation allow text only

ISTEXT

Data validation allow uppercase only

UPPEREXACTAND

Data validation allow weekday only

YEARTODAY

Data validation date in next 30 days

ANDTODAY

Data validation date in specific year

YEARTODAY

Data validation don't exceed total

SUM

Data validation exists in list

COUNTIF

Data validation must begin with

EXACTLEFTCOUNTIF

Data validation must contain specific text

FINDISNUMBER

Data validation must not contain

ISNUMBERSEARCHSUMPRODUCT

Data validation must not exist in list

COUNTIF



Excel Formulas



Data validation

Data validation no punctuation

FINDCOUNT

Data validation number multiple 100

MOD

Data validation only dates between

ANDDATE

Data validation require unique number

ANDISNUMBERCOUNTIF

Data validation specific characters only

MATCHCOUNTLENMIDINDIRECT

Data validation unique values only

COUNTIF

Data validation whole percentage only

TRUNCAND

Data validation with conditional list

IF

Excel Formulas



Rank

Rank function example

Rank if formula

Rank race results

Rank values by month

Rank with ordinal suffix

Rank without ties

RANK

COUNTIFS RANK

RANK

LARGE INDEX MATCH TEXT IF

CHOOSE ABS MOD

RANK COUNTIF

Excel Formulas

X

Round

Get decimal part of a number

Get integer part of a number

Get number at place value

Round a number

Round a number down

Round a number down to nearest multiple

Round a number to n significant digits

Round a number to nearest multiple

Round a number up

Round a number up to nearest multiple

TRUNC

TRUNCINT

MOD

ROUND

ROUNDDOWN

FLOOR

ROUNDLOG10INTABS

MROUND

ROUNDUP

CEILING

Excel Formulas



Round

Round a number up to next half

CEILING

Round a price to end in .99

ROUNDMROUND

Round by bundle size

CEILING

Round price to end in .45 or .95

CEILING

Round time to nearest 15 minutes

MROUNDCEILINGFLOOR

Round to nearest 1000

ROUND

Round to nearest 5

MROUNDCEILINGFLOOR

Excel Formulas



Date and Time

Add business days to date

WORKDAY
NETWORKDAYS

Add days exclude certain days of week

WORKDAY.INTL

Add days to date

DAY

Add decimal hours to time

TIMEMOD

Add decimal minutes to time

TIMEMOD

Add months to date

EDATE

Add workdays no weekends

WORKDAY.INTL
NETWORKDAYS

Add workdays to date custom weekends

WORKDAY.INTL
NETWORKDAYS

Add years to date

DATEYEARMONTHDAY

Assign points based on late time

IFVALUE

Basic timesheet formula with breaks

MOD

Calculate date overlap in days

MAXMIN

Excel Formulas



Date and Time

Calculate days remaining

TODAY

Calculate expiration date

EOMONTHEDATE

Calculate number of hours between two times

IFMOD

Calculate retirement date

EDATEEOMONTH

Calculate years between dates

YEARFRACINT

Convert date string to date time

DATEVALUELEFTMIDTIMEVALUE

Convert date to Julian format

DATEYEARTEXT

Convert date to month and year

TEXT

Convert date to text

TEXT

Excel Formulas

X

Date and Time

Convert Excel time to Unix time

Convert text date dd/mm/yy to mm/dd/yy

Convert text timestamp into time

Convert text to date

Convert time to time zone

Convert Unix time stamp to Excel date

Count birthdays by month

Count calls at specific times

DATE

DATELEFTMIDRIGHTTRIM

TIMEMID

DATELEFTMIDRIGHT

MOD

DATE

SUMPRODUCTMONTH

COUNTIFS

Excel Formulas

X

Date and Time

Count dates in current month

COUNTIFSEOMONTHSUMPRODUCTN

Count day of week between dates

WEEKDAYROWINDIRECTSUMPRODUCTSEQUENCE

Count holidays between two dates

SUMPRODUCT

Count times in a specific range

COUNTIFSTIME

Create date range from two dates

TEXTIF

Custom weekday abbreviation

WEEKDAYCHOOSE

Date is same month

MONTH

Date is same month and year

MONTHYEAR

Date is workday

WORKDAYWORKDAY.INTL

Days in month

DAYEOMONTH

Display the current date

TODAY

Excel Formulas



Date and Time

Display the current date and time

NOW

Dynamic calendar grid

WEEKDAYCHOOSETODAY

Dynamic date list

TODAYROWS

Extract date from a date and time

INTTRUNC

Extract time from a date and time

MOD

Get age from birthday

DATEDIFTODAYDATEYEARFRACINT

Get date from day number

DATERIGHTLEFT

Get day from date

DAY

Get day name from date

TEXTWEEKDAYCHOOSE

Get days before a date

TODAY

Get days between dates

TODAYDAYS

Get days between dates ignoring years

DATEDIF

Excel Formulas



Date and Time

Get days, hours, and minutes between dates

INTTEXT

Get days, months, and years between dates

DATEDIF

Get earliest and latest project dates

MINIFSMAXIFSMINMAXIF

Get first day of month

DAYEOMONTH

Get first day of previous month

EOMONTH

Get fiscal quarter from date

MONTHCHOOSE

Get fiscal year from date

MONTHYEAR

Get last day of month

EOMONTHDATE

Get last weekday in month

EOMONTHWEEKDAY

Get last working day in month

WEEKDAYEOMONTH

Get Monday of the week

WEEKDAY

Get month from date

MONTHDATE



Excel Formulas



Date and Time

Get month name from date

MONTHCHOOSETEXT

Get months between dates

DATEDIF

Get most recent day of week

MOD

Get next day of week

WEEKDAY

Get next scheduled event

MINIFMINIFSINDEXMATCH

Get nth day of week in month

DAYWEEKDAY

Get nth day of year

DATEYEAR

Get percent of year complete

YEARFRACYEARDATE

Get project end date

WORKDAYWORKDAY.INTL

Get project midpoint

WORKDAYWORKDAY.INTL

Get project start date

WORKDAYWORKDAY.INTL

Get quarter from date

MONTHROUNDUP

Excel Formulas



Date and Time

Get same date next month

`EDATE`

Get same date next year

`EDATE`

Get week number from date

`WEEKNUM` / `ISOWEEKNUM`

Get work hours between dates

`NETWORKDAYS` / `NETWORKDAYS.INTL`

Get work hours between dates and times

`NETWORKDAYS` / `NETWORKDAYS.INTL`

Get work hours between dates custom schedule

`MID` / `ROW` / `INDIRECT` / `WEEKDAY` / `SUMPRODUCT`

Get workdays between dates

`NETWORKDAYS` / `NETWORKDAYS.INTL`

Get year from date

`YEAR`

If Monday, roll back to Friday

`WEEKDAYIF`

Join date and text

`TEXT`

Last n days

`ANDTODAY`

Last n months

`ANDTODAY` / `EOMONTH`



Excel Formulas



Date and Time

Last n weeks

ANDTODAYWEEKDAY

Last updated date stamp

TEXTTODAY

List holidays between two dates

TEXTJOINIF

Month number from name

MONTHDATEVALUE

Next anniversary date

EDATEDATEDIF

Next biweekly payday from date

CEILING

Next business day 6 months in future

WORKDAYWORKDAY.INTL

Next working day

WORKDAYWORKDAY.INTL

Pad week numbers with zeros

TEXTWEEKNUM

Parse time string to time

TIMERIGHTLEFTMID

Sum race time splits

SUM

Sum time by week and project

SUMIFS

Excel Formulas



Date and Time

Sum time over 30 minutes	SUMPRODUCTTIME
Sum time with SUMIFS	SUMIFS
Time difference in hours as decimal value	MOD
Time duration with days	TIME
Timesheet overtime calculation formula	MIN
Total hours that fall between two times	MINMAX
Workdays per month	NETWORKDAYSNETWORKDAYS.INTL
Working days in year	NETWORKDAYSNETWORKDAYS.INTL
Working days left in month	NETWORKDAYSNETWORKDAYS.INTL
Year is a leap year	DATEYEARMONTH

Excel Formulas



Date series

Series of dates by custom days

`WORKDAY.INTL`

Series of dates by month

`DAYMONTHYEARDATEEOMONTH`

Series of dates by weekends

`WORKDAY.INTLWEEKDAY`

Series of dates by workdays

`WORKDAYNETWORKDAYS.INTLIFWEEKDAY`

Series of dates by year

`DAYMONTHYEARDATE`

Excel Formulas



Text

Abbreviate names or words

TEXTJOINMIDROWCODELENINDIRECT

Add a line break with a formula

CHAR

Add line break based on OS

INFOCHAR

Capitalize first letter

LEFTMIDLEN

Cell contains all of many things

SUMPRODUCTISNUMBERSEARCHCOUNTA

Cell contains number

FINDCOUNT

Cell contains one of many things

SUMPRODUCTISNUMBERSEARCH

Cell contains one of many with exclusions

SUMPRODUCTISNUMBERSEARCH

Cell contains some words but not others

COUNTSEARCHAND

Cell contains specific text

SEARCHISNUMBERFIND

Cell contains which things

SEARCHISNUMBERFILTERTEXTJOIN

Cell equals one of many things

SUMPRODUCT

Clean and reformat telephone numbers

SUBSTITUTE



Excel Formulas

X

Text

Compare two strings

EXACT

Conditional message with REPT function

REPTIFAND

Convert numbers to text

TEXT

Convert string to array

MIDROWLENINDIRECT

Convert text to numbers

VALUELEFTRIGHT

Count keywords cell contains

SUMPRODUCTMATCHISNUMBERSEARCH

Count line breaks in cell

LENSUBSTITUTECHARISBLANK

Count specific characters in a cell

LENSUBSTITUTEUPPER

Count specific characters in a range

LENSUBSTITUTEUPPERSUMPRODUCT

Count specific words in a cell

LENSUBSTITUTEUPPER

Count specific words in a range

LENSUBSTITUTEUPPERSUMPRODUCT

Count total characters in a cell

LEN



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Excel Formulas



Text

Count total characters in a range

LEN, SUMPRODUCT

Count total words in a cell

LEN, SUBSTITUTE, TRIM

Count total words in a range

SUMPRODUCT, LEN, SUBSTITUTE, TRIM

Double quotes inside a formula

CHAR

Extract last two words from cell

MID, LEN, SUBSTITUTE, FIND

Extract multiple lines from a cell

TRIM, MID, SUBSTITUTE, REPT, LEN

Extract nth word from text string

TRIM, MID, SUBSTITUTE, REPT, LEN

Extract substring

MID

Extract text between parentheses

MIDSEARCH

Extract word containing specific text

MID, MAX, FIND, SUBSTITUTE, REPT, TRIM

Extract word that begins with specific character

MID, LEN, FIND, SUBSTITUTE, REPT, TRIM

Find and replace multiple values

SUBSTITUTEINDEX



Excel Formulas



Text

Find nth occurrence of character

SUBSTITUTEFINDCHAR

Get first word

LEFTFINDISERROR

Get last line in cell

TRIMSUBSTITUTERIGHTREPTCHAR

Get last word

TRIMSUBSTITUTERIGHTREPT

Join cells with comma

TRIMSUBSTITUTETEXTJOIN

MAC address format

TEXTJOINSEQUENCEMID

Most frequent text with criteria

INDEXMATCHMODEIF

Most frequently occurring text

INDEXMATCHMODE

Normalize text

SUBSTITUTETRIMLOWER

Pad text to equal length

REPTLEN

Position of 2nd 3rd etc instance of character

SUBSTITUTEFIND

Remove characters from right

LEFTLENVALUE

Remove file extension from filename

LEFTFIND



Excel Formulas



Text

Remove first character

REPLACERIGHTLENLEFT

Remove last word

MIDFINDSUBSTITUTELEN

Remove leading and trailing spaces from text

CLEANTRIMSUBSTITUTE

Remove line breaks

SUBSTITUTECLEAN

Remove text by matching

SUBSTITUTE

Remove text by position

REPLACE

Remove text by variable position

REPLACEFIND

Remove unwanted characters

SUBSTITUTECHARCODELEFT

Replace one character with another

SUBSTITUTE

Reverse text string

TEXTJOINMIDINDIRECTSEQUENCE

Split dimensions into three parts

LEFTRIGHTMIDLENSUBSTITUTE

Split dimensions into two parts

SUBSTITUTELEFTRIGHTFIND



Excel Formulas



Text

Split numbers from units of measure

MAXLEFTRIGHTISNUMBERVALUEMID

Split text and numbers

FINDMINRIGHTLEFT

Split text string at specific character

LEFTRIGHTLENFIND

Split text with delimiter

TRIMMIDSUBSTITUTEREPTLEN

Strip html from text or numbers

MIDLEN

Strip non-numeric characters

TEXTJOINMIDROWINDIRECT

Strip numeric characters from cell

TEXTJOINMIDROWINDIRECTSEQUENCELET

Text split to array

FILTERXMLSUBSTITUTETRANPOSE

Translate letters to numbers

TEXTJOINVLOOKUPMIDROWWT

Trim text to n words

LEFTSUBSTITUTEFIND

Excel Formulas



Financial

Annual compound interest schedule

FV

Annuity solve for interest rate

RATE

Bond valuation example

PVFPRICE

CAGR formula examples

GEOMEANRRI

Calculate compound interest

FV

Calculate cumulative loan interest

CUMIPMT

Calculate cumulative loan principal payments

CUMPRINC

Calculate interest for given period

PPMT

Calculate interest rate for loan

RATE

Calculate loan interest in given year

CUMIPMT

Calculate original loan amount

PV

Calculate payment for a loan

PMT



Excel Formulas



Financial

Calculate payment periods for loan

NPER

Calculate periods for annuity

PMTPVFV

Calculate principal for given period

PPMT

Compare effect of compounding periods

FV

Effective annual interest rate

EFFECTRRI

Estimate mortgage payment

PMTPVFV

Future value of annuity

FVPV

Future value vs. Present value

PVVF

Income tax bracket calculation

VLOOKUP

NPV formula for net present value

NPV

Payment for annuity

PMTPVFV

Present value of annuity

PVVF



Excel Formulas



Geometry

Area of a circle

PIPOWER

Circumference of a circle

PI

Distance formula

SQRT

Surface area of a cone

PIPOWER

Surface area of a cylinder

PIPOWER

Surface area of a sphere

PIPOWER

Volume of a cone

PIPOWER

Volume of a cylinder

PIPOWER

Excel Formulas



Geometry

Area of a circle

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Distance formula

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Surface area of a cylinder

PIPOWER

Surface area of a sphere

PIPOWER

Volume of a cone

PIPOWER

Volume of a cylinder

PIPOWER

Volume of a sphere

PIPOWER

Excel Formulas



Workbook

Dynamic workbook reference

INDIRECT

Dynamic worksheet reference

INDIRECT

Get full workbook name and path

CELL

Get sheet name only

CELLMIDFIND

Get workbook name and path without sheet

CELLLEFTFINDSUBSTITUTE

Get workbook name only

CELLMIDFIND

Get workbook path only

CELLLEFTFIND

Indirect named range different sheet

INDIRECT

List sheet index numbers

SHEET

List sheet names with formula

INDEXMIDROWNOWT

Worksheet name exists

ISREFINDIRECT

Excel Formulas



Internet

Create email address from name

LEFTLOWER

Create email address with name and domain

LEFTLOWER

Get domain from email address

RIGHTLENFIND

Get domain name from URL

LEFTFIND

Get name from email address

LEFTFIND

Get page from URL

TRIMRIGHTSUBSTITUTEREPT

Get top level domain (TLD)

RIGHTLENSUBSTITUTEFIND

Remove trailing slash from url

LENRIGHTLEFT

Strip protocol and trailing slash from URL

MIDRIGHTLENFIND

Excel Formulas



Names

Get first name from name

LEFTFIND

Get first name from name with comma

RIGHTLENFIND

Get last name from name

RIGHTLENSUBSTITUTEFIND

Get last name from name with comma

LENLEFT

Get middle name from full name

MIDLETRIM

Join first and last name

CONCATENATE

Put names into proper case

PROPERTRIM

Excel Formulas



Percentage

Calculate percent variance

Project complete percentage

ABS

COUNTA

Excel Formulas



Random

Random date between two dates

RANDBETWEENWORKDAY

Random number between two numbers

RANDBETWEEN

Random number from fixed set of options

CHOSERANDBETWEEN

Random number weighted probability

RANDMATCHINDEX

Random text values

CHOSERANDBETWEEN

Random times at specific intervals

RAND

Random value from list or table

INDEXRANDBETWEENROWS

Randomly assign data to groups

RANDBETWEENCHOOSE

Randomly assign people to groups

RANDROUNDUPCEILING

Excel Formulas



Range

Add row numbers and skip blanks

COUNTAIFISBLANK

Address of first cell in range

ADDRESSROWCOLUMNCELL

Address of last cell in range

ADDRESSROWCOLUMNROWSCOLUMNS

All cells in range are blank

SUMPRODUCT

All values in a range are at least

COUNTIFNOT

Count visible columns

CELLNSUM

COUNTIFS with variable range

COUNTIFOFFSETADDRESSINDIRECTROW

Define range based on cell value

INDEXOFFSET

Dynamic named range with INDEX

INDEXCOUNTA

Dynamic named range with OFFSET

OFFSETCOUNTA

First column number in range

ROWSMIN

First match between two ranges

INDEXMATCHCOUNTIF

First row number in range

ROWMIN



Excel Formulas

Range

Get address of named range

ADDRESS ROW COLUMN ROWS COLUMNS

Get relative column numbers in range

COLUMN SEQUENCE COLUMNS

Get relative row numbers in range

ROW SEQUENCE ROWS

Last column number in range

COLUMN COLUMNS MIN

Last n rows

ROW ROWS INDEX

Last row in mixed data with blanks

MATCH

Last row in mixed data with no blanks

COUNTA

Last row in numeric data

MATCH

Last row in text data

MATCHREPT

Last row number in range

ROW ROWSMIN

Multiple cells are equal

AND EXACT

Multiple cells have same value

COUNTIF

Multiple cells have same value case sensitive

EXACT SUM PRODUCT COUNTA



Excel Formulas

X

Range

Multiple columns are equal

Range contains a value not in another range

Range contains numbers

Range contains specific date

Sequential row numbers

Total cells in a range

Total columns in range

Total rows in range

ANDCOUNTF

SUMPRODUCTMATCHISNA

SUMPRODUCTISNUMBER

COUNTIFSDATETODAY

ROW

ROWSCOLUMN

COLUMNS

ROWS



Excel Formulas



Tables

Automatic row numbers in Table

ROWINDEX

Average last N values in a table

INDEXAVERAGEROWS

Basic inventory formula example

SUMIFS

Count table columns

COLUMNS

Count table rows

ROWS

COUNTIFS with variable table column

COUNTIFSINDEXMATCHINDIRECT

Dynamic reference Table name

INDIRECT

Get column index in Excel Table

MATCH

Get column name from index in table

INDEX

Percentile IF in table

PERCENTILE

Excel Formulas

X

Tables

Running count in Table

INDEXSUM

Running total in Table

INDEXSUM

Sum multiple tables

SUM

SUMIFS vs other lookup formulas

SUMIFSINDEXMATCHLOOKUPXLOOKUPSUMPRODUCT

SUMIFS with Excel Table

SUMIFS

Two-way lookup VLOOKUP in a Table

VLOOKUPMATCH

Two-way summary with SUMIFS

SUMIFS



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Excel Formulas



Errors

How to fix the #DIV/0! error

IFERRORISERRORERROR.TYPE

How to fix the #N/A error

VLOOKUPIFERRORMATCH

How to fix the #NAME? error

IFERRORISERRORERROR.TYPE

How to fix the #NULL! error

IFERRORISERRORERROR.TYPE

How to fix the #NUM! error

IFERRORISERRORERROR.TYPE

How to fix the #REF! error

ISREFIFERROR

How to fix the #SPILL! error

IFERRORISERRORERROR.TYPE

How to fix the #VALUE! error

IFERRORISERRORERROR.TYPE

Excel Formulas

X

Miscellaneous

Abbreviate state names

VLOOKUPINDEXMATCH

All dates in chronological order

IFSUMPRODUCTSORT

Basic array formula example

MAXMIN

Basic attendance tracking formula

COUNTIF

Basic error trapping example

IFERROR

Basic in cell histogram

REPTCHAR

Basic numeric sort formula

RANKCOUNTIF

Basic outline numbering

COUNTAMIDFINDLEN

Basic text sort formula

RANKCOUNTIF

BMI calculation formula

CONVERTPOWER

Build hyperlink with VLOOKUP

HYPERLINKVLOOKUP

Calculate a ratio from two numbers

GCD

Cap percentage at 100

MIN

Excel Formulas

X

Miscellaneous

Cap percentage at specific amount

MIN

Carry-on baggage Inches to centimeters

CONVERT

Cash denomination calculator

SUMPRODUCTINTFLOOR

Celsius to Fahrenheit conversion

CONVERT

Change negative numbers to positive

ABS

Check register balance

IFANDISBLANK

Coefficient of variation

STDEV.PSTDEV.SAVERAGE

Conditional median with criteria

MEDIAN

Conditional mode with criteria

MODE

Convert column letter to number

COLUMNINDIRECT

Convert column number to letter

ADDRESSSUBSTITUTE

Convert expense time units

INDEXMATCH

Convert feet and inches to inches

LEFTFINDMIDSUBSTITUTE



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Excel Formulas

X

Miscellaneous

Convert inches to feet and inches

INTMOD

Convert pounds to kilograms

CONVERT

Copy value from every nth column

OFFSETCOLUMN

Copy value from every nth row

OFFSETROW

Count consecutive monthly orders

FREQUENCYMAXIF

Count values out of tolerance

SUMPRODUCTABS

Count with repeating values

ROUNDUPCOLUMNROW

Course completion status summary

COUNTIFS

Course completion summary with criteria

COUNTIFS

Create array of numbers

INDIRECTROW

Cube root of number

POWER

Customer is new

COUNTIFS



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Excel Formulas

X

Miscellaneous

Display sorted values with helper column

INDEXMATCHROWS

Dropdown sum with all option

SUMIFSUMIF

Easy bundle pricing with SUMPRODUCT

SUMPRODUCT

Expense begins on specific month

IF

Extract unique items from a list

INDEXMATCHCOUNTIFLOOKUP

Filter values in array formula

ISNUMBERMATCH

Find and retrieve missing values

INDEXMATCHISNA

Fixed value every N columns

MODCOLUMN

Flag first duplicate in a list

COUNTIFCOUNTIFS

Flip table rows to columns

TRANSPOSE

Force negative numbers to zero

MAX

Forecast vs actual variance

SUMIFS



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Excel Formulas

X

Miscellaneous

Formula with locked reference

INDIRECT

Get date associated with last entry

LOOKUP

Get first entry by month and year

INDEXMATCHTEXT

Get last entry by month and year

LOOKUPTEXT

Get pivot table grand total

GETPIVOTDATA

Get pivot table subtotal

GETPIVOTDATA

Get pivot table subtotal grouped date

GETPIVOTDATA

Get value of last non-empty cell

LOOKUP

Hyperlink to first blank cell

HYPERLINKCELLINDEXMATCH

Hyperlink to first match

HYPERLINKCELLINDEXMATCH

Increment a calculation with ROW or COLUMN

ROWCOLUMN

Increment a number in a text string

RIGHTTEXT

Increment cell reference with INDIRECT

INDIRECTCELL

Excel Formulas

X

Miscellaneous

Issue response time calculation

VLOOKUP

Leave a comment in a formula

N

Link to multiple sheets

HYPERLINKCELLINDEXMATCH

List contains duplicates

SUMPRODUCTCOUNTIF

List most frequently occurring numbers

MODEISNUMBERMATCH

Longest winning streak

FREQUENCYMAXIF

Lookup last file revision

SEARCHISERRORMAXINDEXIFROW

Most frequently occurring number

MODE

New customers per month

COUNTIFSEOMONTH

Nightly hotel rate calculation

SUMPRODUCTFILTERINDEXMATCH

Normalize size units to Gigabytes

MATCHLEFTRIGHT

Excel Formulas



Miscellaneous

nth root of number

Odometer gas mileage log

One or the other not both

Pad a number with zeros

Parse XML with formula

Random sort formula

Range contains one of many substrings

Range contains one of many values

Range contains specific text

Repeat fixed value every 3 months

Return array with INDEX function

Reverse a list or range

POWER

SUMMAXMIN

XOR

TEXTREPT

FILTERXML

INDEXMATCH

SUMPRODUCTCOUNTIF

SUMPRODUCTISNUMBERSEARCH

COUNTIF

MODDATEDIF

INDEXMATCHN

INDEXCOUNTRROWSORTBYSEQUENCE



Excel Formulas

X

Miscellaneous

Risk Matrix Example

INDEXMATCH

Score quiz answers with key

SUMCOUNTA

Search entire worksheet for value

COUNTIF

Search multiple worksheets for value

COUNTIFINDIRECT

Send email with formula

HYPERLINK

Show formula text with formula

FORMULATEXTIFERRORISFORMULA

Simple currency conversion

VLOOKUPINDEXMATCH

Sort and extract unique values

MMULTTRANSPOSEINDEXMATCH

Sort numbers ascending or descending

SMALLARGE

Sort text and numbers with formula

RANKCOUNTIFCOUNT

Split payment across months

AND

Square root of number

SQRTPOWER



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Excel Formulas



Miscellaneous

Standard deviation calculation

STDEV.P, **STDEV.S**, **SSTDEV**, **STDEVP**

Student class enrollment with table

IFCOUNTIF

Sum every 3 cells

OFFSETCOLUMN

Sum text values like numbers

INDEXMATCH, **HN**

Transpose table without zeros

TRANSPOSEIF

Validate input with check mark

IFCOUNTIF

Value exists in a range

COUNTIFMATCH

Value is between two numbers

ANDMAXMIN

Value is within tolerance

IFABS

Volunteer hours requirement calculation

ANDCOUNTIFSUM

