

Advanced DAX Functions

BASIC MATH & STATS FUNCTIONS

SUM	Evaluates the sum of a column	<code>=SUM(ColumnName)</code>
AVERAGE	Returns the average (arithmetic mean) of all the numbers in a column	<code>=AVERAGE(ColumnName)</code>
MAX	Returns the largest value in a column or between two scalar expressions	<code>=MAX(ColumnNameOrScalar1, [Scalar2])</code>
MIN	Returns the smallest value in a column or between two scalar expressions	<code>=MIN(ColumnNameOrScalar1, [Scalar2])</code>
DIVIDE	Performs division and returns the alternate result (or blank) if DIV/0	<code>=DIVIDE(Numerator, Denominator, [AlternateResult])</code>

COUNTING FUNCTIONS

COUNT	Counts the number of non-empty cells in a column(excluding Boolean values)	<code>=COUNT(ColumnName)</code>
COUNTA	Counts the number of non-empty cells in a column (including Boolean values)	<code>=COUNTA(ColumnName)</code>
DISTINCT COUNT	Counts the number of distinct values in a column	<code>=DISTINCTCOUNT(Column Name)</code>
COUNTROWS	Counts the number of rows in the specified table, or a table defined by an expression	<code>=COUNTROWS([Table])</code>

BASIC LOGICAL FUNCTIONS

IF	Checks if a given condition is met and returns one value if the condition is TRUE, and another if the condition is FALSE	=IF(LogicalTest, ResultIfTrue, [ResultIfFalse])
IFERROR	Evaluates an expression and returns a specified value if it returns an error, otherwise returns the expression itself	=IFERROR(Value, ValueIfError)
SWITCH	Evaluates an expression against a list of values and returns one of multiple possible expressions	=SWITCH(Expression, Value1, Result1, ..., [Else])
AND	Checks whether both arguments are TRUE to return TRUE, otherwise returns FALSE	=AND(Logical1, Logical2)
OR	Checks whether any argument is TRUE to return TRUE, otherwise returns FALSE	=OR(Logical1, Logical2)

Note: Use the && and || operators to include more than two conditions

TEXT FUNCTIONS

LEN	Returns the number of characters in a string	=LEN(Text)
CONCATENATE	Joins two text strings into one	=CONCATENATE(Text1, Text2)
UPPER /LOWER	Converts a string to upper or lower case	=UPPER/LOWER (Text)
LEFT/ RIGHT/MID	Returns a number of characters from the start/middle/end of a text string	=LEFT/RIGHT(Text, [NumChars]) =MID(Text, StartPosition, NumChars)
SUBSTITUTE	Replaces an instance of existing text with new text in a string	=SUBSTITUTE(Text, OldText, NewText, [InstanceNumber])
SEARCH	Returns the position where a specified string or character is found, reading left to right	=SEARCH(FindText, WithinText, [StartPosition], [NotFoundValue])

BASIC DATE & TIME FUNCTIONS

TODAY/NOW

Returns the current date or exact time

=TODAY/NOW()

DAY/MONTH
/YEAR

Returns the day of the month (1-31), month of the year (1-12), or year of a given date

=DAY/MONTH/YEAR(Date)

HOUR/MINUTE
/SECOND

Returns the hour (0-23), minute (0-59), or second (0-59) of a given datetime value

=HOUR/MINUTE/
SECOND(Datetime)

WEEKDAY/
WEEKNUM

Returns a weekday number from 1 (Sunday) to 7 (Saturday), or the week # of the year

=WEEKDAY/WEEKNUM(Date,
[ReturnType])

EOMONTH

Returns the date of the last day of the month, +/- a specified number of months

=EOMONTH(StartDate,
Months)

DATEDIFF

Returns the difference between two dates, based on a given interval (day, hour, year, etc.)

=DATEDIFF(Date1,
Date2, Interval)

Total Orders Vs Quantity Sold

Invoice Number	
ORDERNUMBER	QUANTITYORDERED
10203	20
10153	20
10104	34
10153	42
10212	39
10104	41
10246	46
10412	54
10203	47
10212	33
10212	29
10205	36
10244	40
10212	38
10379	39
10212	41
10104	24
10246	40
10412	41
10104	29
10383	27
10380	40
10244	43
10212	40
10311	43
10379	29

Table: VehicleOrders (3,000 rows) Column: ORDERNUMBER (308 distinct values)

DISTINCTCOUNT(ColumnName)

Counts the number of distinct values in a column.

The screenshot shows the Power BI interface with the 'Measure tools' tab selected. The 'Measure Table' dropdown is set to 'Measure Table'. The 'Format' dropdown is set to 'Whole number'. The 'Data category' dropdown is set to 'Uncategorized'. The 'Calculations' section shows 'New measure' and 'Quick measure' buttons. The DAX formula for 'Total Orders' is displayed in the formula bar:

```
1 Total Orders =  
2     DISTINCTCOUNT(  
3         VehicleOrders[ORDERNUMBER]  
4     )
```

308
Total Orders

The screenshot shows the Power BI interface with the 'Measure tools' tab selected. The 'Measure Table' dropdown is set to 'Measure Table'. The 'Format' dropdown is set to 'Whole number'. The 'Data category' dropdown is set to 'Uncategorized'. The 'Calculations' section shows 'New measure' and 'Quick measure' buttons. The DAX formula for 'Quantity Sold' is displayed in the formula bar:

```
1 Quantity Sold = SUM(  
2     VehicleOrders[QUANTITYORDERED]  
3 )
```

99K
Quantity Sold

Qty Ordered

Order Type

Calculated Column

- Row Context
- Filtering

0-25 : Regular Order
26-50 : Average Order
51-75 : Bulk Order
>75 : Large Order

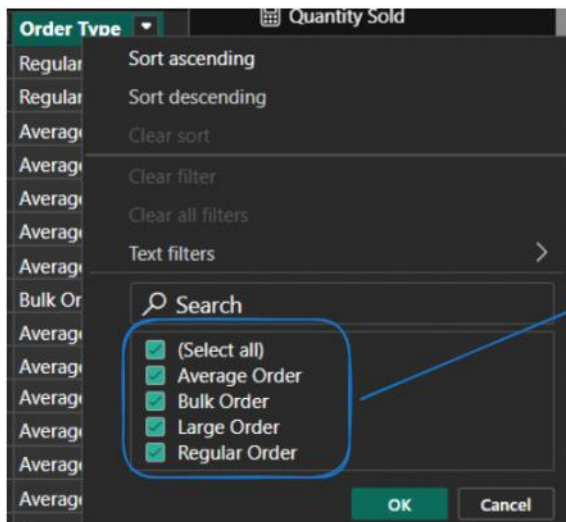
The screenshot shows the Power BI interface with the 'Measure tools' tab selected. The 'Measure Table' dropdown is set to 'Measure Table'. The 'Format' dropdown is set to 'Whole number'. The 'Data category' dropdown is set to 'Uncategorized'. The 'Calculations' section shows 'New measure' and 'Quick measure' buttons. The DAX formula for 'Order Type' is displayed in the formula bar:

```
1 Order Type =  
2 IF(  
3     IF(LogicalTest, ResultIfTrue,  
4         [ResultIfFalse])  
5 )
```

Checks whether a condition is met, and returns one value if TRUE, and another value if FALSE.

The screenshot shows the 'Calculations' section of the Power BI interface. It contains four buttons: 'New measure', 'Quick measure', 'New column', and 'New table'. The 'New column' button is highlighted with a red box.

```
Order Type =
IF(VehicleOrders[QUANTITYORDERED] <= 25 , "Regular Order",
    IF(VehicleOrders[QUANTITYORDERED] <= 50 , "Average Order",
        IF(VehicleOrders[QUANTITYORDERED] <= 75 , "Bulk Order", "Large Order")))
```

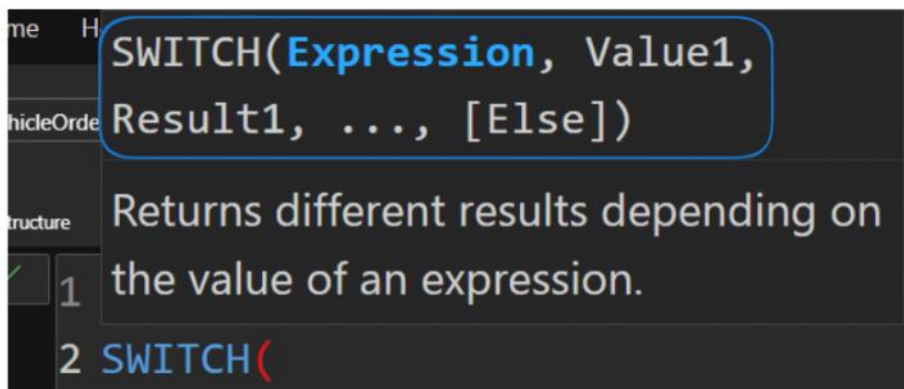


- Row Context
- Filtering & Grouping

Switch

- Alternative Options to perform the above task

1. Replacing Nested IF
2. To Reduce the filters



```

1 Order Type {Switch} =
2 SWITCH(
3     TRUE(),      Numerical Column
4     VehicleOrders[QUANTITYORDERED] <= 25, "Regular Order",
5     VehicleOrders[QUANTITYORDERED] <= 50, "Average Order",
6     VehicleOrders[QUANTITYORDERED] <= 75, "Bulk Order",
7     "Large Order")

```

PRODUCTLINE	CITY	STATE	POSTALCODE	COUNTRY	TERRITORY	CONTACTLASTNAME	CONTACTFIRSTNAME	DEALSIZE	Order Type	Order Type (Switch)
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Regular Order	Regular Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Regular Order	Regular Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Trucks and Buses	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Trucks and Buses	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Trucks and Buses	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Bulk Order	Bulk Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Vintage Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Vintage Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Classic Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order
Vintage Cars	Madrid	NA	28034	Spain	EMEA	Freyre	Diego	Medium	Average Order	Average Order

Switch [Categorical Column] - Reducing a Filter

APositive, A++ , +A, A+Positive , A+ve -> A+

Order Type ▾ Quantity Sold

Regular Sort ascending

Regular Sort descending

Average Clear sort

Average Clear filter

Average Clear all filters

Average Text filters >

Bulk Or Search

☒ (Select all)
☒ Average Order
☒ Bulk Order
☒ Large Order
☒ Regular Order

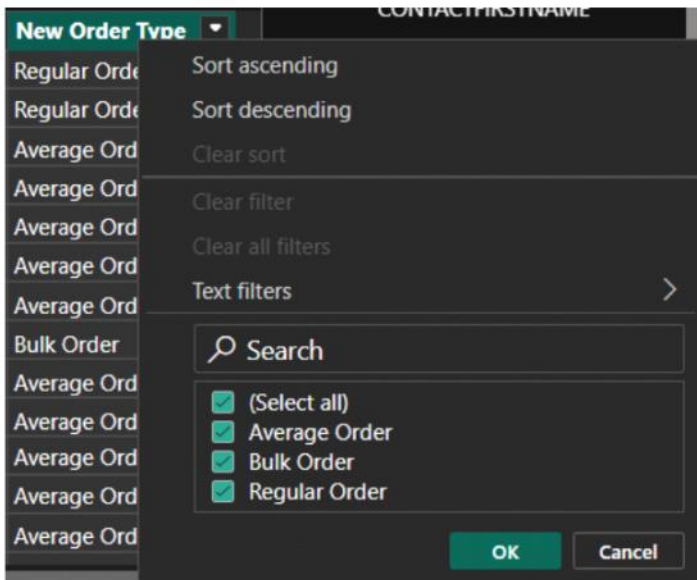
OK Cancel

Bulk Order & Large Order : Bulk Order

```

1 New Order Type =
2 SWITCH(
3     Expression
4     VehicleOrders[Order Type],
5     "Regular Order" , "Regular Order",
6     "Average Order" , "Average Order",
7     "Bulk Order" , "Bulk Order",
8     "Large Order" , "Bulk Order"
9 )

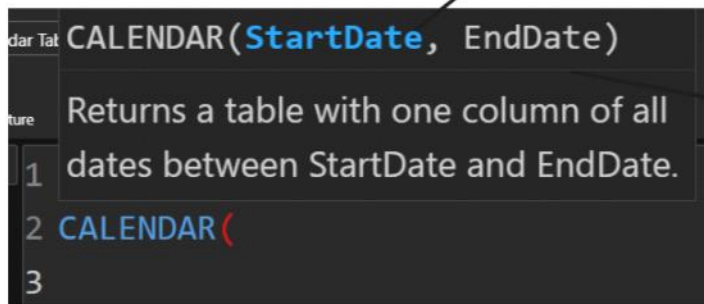
```



Rolling Calendar

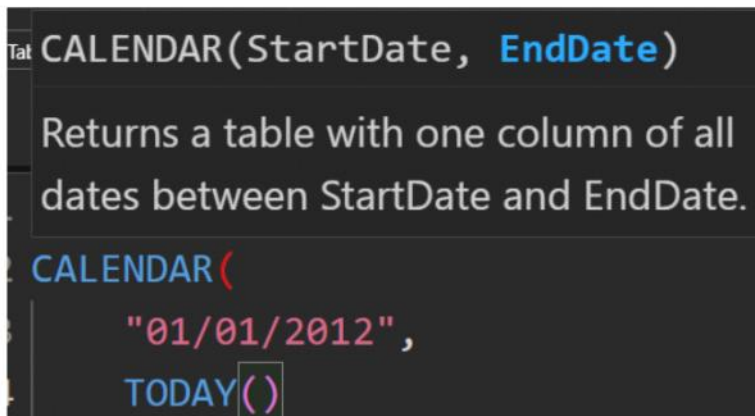
"DD/MM/YYYY"

Min(OrderDate)



TODAY()

ORDERDATETIME
01-01-2012 02:58:00



1	Calendar Table =
2	CALENDAR(
3	"01/01/2012",
4	TODAY())

Date
01-01-2012 00:00:00
02-01-2012 00:00:00
03-01-2012 00:00:00
04-01-2012 00:00:00
05-01-2012 00:00:00
06-01-2012 00:00:00
07-01-2012 00:00:00
08-01-2012 00:00:00
09-01-2012 00:00:00
10-01-2012 00:00:00
11-01-2012 00:00:00
12-01-2012 00:00:00
13-01-2012 00:00:00
14-01-2012 00:00:00
15-01-2012 00:00:00
16-01-2012 00:00:00
17-01-2012 00:00:00
18-01-2012 00:00:00
19-01-2012 00:00:00
20-01-2012 00:00:00
21-01-2012 00:00:00

File Home Help Table tools Column tools

Name: Date Format: 30:55 (General Date) Summarization: Don't summarize

Data type: Date/time

Structure

Common formats

- *14-03-2001 13:30:55 (General Date)
- *14-03-2001 (Short Date)
- *14 March 2001 (Long Date)
- *13:30 (Short Time)
- *13:30:55 (Long Time)
- 14-03-2001 (dd/mm/yyyy)
- 2001-03-14 13:30:55 (yyyy-mm-dd hh:mm:ss)
- 2001-03-14 (yyyy-mm-dd)
- 2001-03 (yyyy-mm)

Date formats

- 14 March 2001 (dd mmmm yyyy)
- 14 March 2001 (d mmmm yyyy)
- Wednesday, 14 March, 2001 (dddd, d mmmm, yyyy)
- 14-03-2001 (dd-mm-yyyy)
- 14-03-01 (dd-mm-yy)
- 14-3-01 (d-m-yy)
- 14.3.01 (d.m.yy)
- March, 2001 (mmmm, yyyy)
- 14 March (d mmmm)
- 01 (yy)
- 2001 (yyyy)

Date/time formats

- 14-03-2001 13:30:55 (dd-mm-yyyy hh:mm:ss)

Table: Calendar Table (5,109 rows) Column: Date (5,109 dis ... 14-03-2001 13:30:55 (dd-mm-yyyy hh:mm:ss))

File Home Help Table tools

Name: Column Data type: Whole number

Structure

YEAR(Date)

Returns the year of a date as a four digit integer.

1 Year = YEAR(Date)

'Calendar Table'[Date]

fx DATE

fx DATEADD

fx DATEDIFF

1 Year = YEAR('Calendar Table'[Date])

Date	Year
01-01-2012	20
02-01-2012	20
03-01-2012	20
04-01-2012	20
05-01-2012	20
06-01-2012	20
07-01-2012	20
08-01-2012	20
09-01-2012	20
10-01-2012	20
11-01-2012	20
12-01-2012	20
13-01-2012	20
14-01-2012	20
15-01-2012	20
16-01-2012	20
17-01-2012	20
18-01-2012	20
19-01-2012	20
20-01-2012	20
21-01-2012	20
22-01-2012	2012
23-01-2012	2012

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Number filters >

- ☒ (Select all)
- ☒ 2012
- ☒ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016
- ☒ 2017
- ☒ 2018
- ☒ 2019
- ☒ 2020
- ☒ 2021
- ☒ 2022
- ☒ 2023
- ☒ 2024
- ☒ 2025

OK Cancel

Calendar Table

Date

Date Hierarchy

- Year
- Quarter
- Month
- Day

Year

1 Month = MONTH('Calendar Table'[Date])

Date	Year	Month
01-01-2012	2012	
02-01-2012	2012	
03-01-2012	2012	
04-01-2012	2012	
05-01-2012	2012	
06-01-2012	2012	
07-01-2012	2012	
08-01-2012	2012	
09-01-2012	2012	
10-01-2012	2012	
11-01-2012	2012	
12-01-2012	2012	
13-01-2012	2012	
14-01-2012	2012	
15-01-2012	2012	
16-01-2012	2012	
17-01-2012	2012	
18-01-2012	2012	
19-01-2012	2012	
20-01-2012	2012	1
21-01-2012	2012	1

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Number filters >

- ☒ (Select all)
- ☒ 1
- ☒ 2
- ☒ 3
- ☒ 4
- ☒ 5
- ☒ 6
- ☒ 7
- ☒ 8
- ☒ 9
- ☒ 10
- ☒ 11
- ☒ 12

OK Cancel

1 Day = DAY('Calendar Table'[Date])

Date	Year	Month	Day
01-01-2012	2012	1	1
02-01-2012	2012	1	1
03-01-2012	2012	1	1
04-01-2012	2012	1	1
05-01-2012	2012	1	1
06-01-2012	2012	1	1
07-01-2012	2012	1	1
08-01-2012	2012	1	1
09-01-2012	2012	1	1
10-01-2012	2012	1	1
11-01-2012	2012	1	1
12-01-2012	2012	1	1
13-01-2012	2012	1	1
14-01-2012	2012	1	1
15-01-2012	2012	1	1
16-01-2012	2012	1	1
17-01-2012	2012	1	1
18-01-2012	2012	1	1
19-01-2012	2012	1	1
20-01-2012	2012	1	1
21-01-2012	2012	1	1
22-01-2012	2012	1	1
23-01-2012	2012	1	1
24-01-2012	2012	1	1
25-01-2012	2012	1	1
26-01-2012	2012	1	1

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Number filters

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30
31

OK Cancel

1 MonthName = FORMAT(

Date	Year	Month	Day	Col
01-01-2012	2012	1	1	1
02-01-2012	2012	1	2	2
03-01-2012	2012	1	3	3
04-01-2012	2012	1	4	4
05-01-2012	2012	1	5	5
06-01-2012	2012	1	6	6
07-01-2012	2012	1	7	7
08-01-2012	2012	1	8	8
09-01-2012	2012	1	9	9
10-01-2012	2012	1	10	10
11-01-2012	2012	1	11	11
12-01-2012	2012	1	12	12
13-01-2012	2012	1	13	13
14-01-2012	2012	1	14	14
15-01-2012	2012	1	15	15
16-01-2012	2012	1	16	16
17-01-2012	2012	1	17	17
18-01-2012	2012	1	18	18
19-01-2012	2012	1	19	19
20-01-2012	2012	1	20	20
21-01-2012	2012	1	21	21
22-01-2012	2012	1	22	22
23-01-2012	2012	1	23	23
24-01-2012	2012	1	24	24
25-01-2012	2012	1	25	25
26-01-2012	2012	1	26	26

FORMAT(Value, Format, [LocaleName])

Converts a value to text in the specified number format.

Date , "MMMM" [Long Name]
Date , "MMM" [Short Name]

1 MonthName = `FORMAT('Calendar Table'[Date], "MMMM")`

Date	Year	Month	Day	MonthName
01-01-2012	2012	1	1	January
02-01-2012	2012	1	2	January
03-01-2012	2012	1	3	January
04-01-2012	2012	1	4	January
05-01-2012	2012	1	5	January
06-01-2012	2012	1	6	January
07-01-2012	2012	1	7	January
08-01-2012	2012	1	8	January
09-01-2012	2012	1	9	January
10-01-2012	2012	1	10	January
11-01-2012	2012	1	11	January
12-01-2012	2012	1	12	January
13-01-2012	2012	1	13	January
14-01-2012	2012	1	14	January
15-01-2012	2012	1	15	January
16-01-2012	2012	1	16	January
17-01-2012	2012	1	17	January
18-01-2012	2012	1	18	January
19-01-2012	2012	1	19	January

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Text filters
Search
☒ (Select all)
☒ April
☒ August
☒ December
☒ February
☒ January
☒ July
☒ June
☒ March
☒ May
☒ November
☒ October
☒ September

1 ShortMonthName = `FORMAT('Calendar Table'[Date], "MMM")`

Year	Month	Day	MonthName	ShortMonthName
2012	1	1	January	Jan
2012	1	2	January	Jan
2012	1	3	January	Jan
2012	1	4	January	Jan
2012	1	5	January	Jan
2012	1	6	January	Jan
2012	1	7	January	Jan
2012	1	8	January	Jan
2012	1	9	January	Jan
2012	1	10	January	Jan
2012	1	11	January	Jan
2012	1	12	January	Jan
2012	1	13	January	Jan
2012	1	14	January	Jan
2012	1	15	January	Jan
2012	1	16	January	Jan
2012	1	17	January	Jan
2012	1	18	January	Jan
2012	1	19	January	Jan

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Text filters
Search
☒ (Select all)
☒ Apr
☒ Aug
☒ Dec
☒ Feb
☒ Jan
☒ Jul
☒ Jun
☒ Mar
☒ May
☒ Nov
☒ Oct
☒ Sep

1 DayName = `FORMAT('Calendar Table'[Date], "DDDD")`

Date	Year	Month	Day	MonthName	ShortMonthName	DayName
01-01-2012	2012	1	1	January	Jan	Sunday
02-01-2012	2012	1	2	January	Jan	Monday
03-01-2012	2012	1	3	January	Jan	Tuesday
04-01-2012	2012	1	4	January	Jan	Wednesday
05-01-2012	2012	1	5	January	Jan	Thursday
06-01-2012	2012	1	6	January	Jan	Friday
07-01-2012	2012	1	7	January	Jan	Saturday
08-01-2012	2012	1	8	January	Jan	Sunday
09-01-2012	2012	1	9	January	Jan	Monday
10-01-2012	2012	1	10	January	Jan	Tuesday
11-01-2012	2012	1	11	January	Jan	Wednesday
12-01-2012	2012	1	12	January	Jan	Thursday
13-01-2012	2012	1	13	January	Jan	Friday
14-01-2012	2012	1	14	January	Jan	Saturday
15-01-2012	2012	1	15	January	Jan	Sunday
16-01-2012	2012	1	16	January	Jan	Monday
17-01-2012	2012	1	17	January	Jan	Tuesday
18-01-2012	2012	1	18	January	Jan	Wednesday

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Text filters
Search
☒ (Select all)
☒ Friday
☒ Monday
☒ Saturday
☒ Sunday
☒ Thursday
☒ Tuesday
☒ Wednesday

OK Cancel

1 Weekday = WEEKDAY(

Year	Month	Day
2012	1	1
2012	1	2
2012	1	3
2012	1	4
2012	1	5
2012	1	6
2012	1	7

WEEKDAY(Date, [ReturnType])

Returns a number from 1 to 7 identifying the day of the week of a date.

1 Weekday = WEEKDAY('Calendar Table'[Date],

Year	Month	Day
2012	1	1
2012	1	2
2012	1	3
2012	1	4
2012	1	5
2012	1	6

WEEKDAY(Date, [ReturnType])

Returns a number from 1 to 7 identifying the day of the week of a date.

1 Sunday=1 through Saturday=7

2

3

Weekday = WEEKDAY('Calendar Table'[Date],2

Year	Month	Day	MonthName	ShortMonthName	DayName	Column
2012	1	1	January	Jan	Sunday	
2012	1	2	January	Jan	Monday	
2012	1	3	January	Jan	Tuesday	

2 Monday=1 through Sunday=7

1 Weekday = WEEKDAY('Calendar Table'[Date],3

Year	Month	Day	MonthName	ShortMonthName	DayName	Column
2012	1	1	January	Jan	Sunday	
2012	1	2	January	Jan	Monday	
2012	1	3	January	Jan	Tuesday	

3 Monday=0 through Sunday=6

Report view 1 Weekday = WEEKDAY('Calendar Table'[Date],2)

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday
01-01-2012	2012	1	1	January	Jan	Sunday	7
02-01-2012	2012	1	2	January	Jan	Monday	1
03-01-2012	2012	1	3	January	Jan	Tuesday	2
04-01-2012	2012	1	4	January	Jan	Wednesday	3
05-01-2012	2012	1	5	January	Jan	Thursday	4
06-01-2012	2012	1	6	January	Jan	Friday	5
07-01-2012	2012	1	7	January	Jan	Saturday	6
08-01-2012	2012	1	8	January	Jan	Sunday	7
09-01-2012	2012	1	9	January	Jan	Monday	1
10-01-2012	2012	1	10	January	Jan	Tuesday	2
11-01-2012	2012	1	11	January	Jan	Wednesday	3
12-01-2012	2012	1	12	January	Jan	Thursday	4
13-01-2012	2012	1	13	January	Jan	Friday	5
14-01-2012	2012	1	14	January	Jan	Saturday	6
15-01-2012	2012	1	15	January	Jan	Sunday	7
16-01-2012	2012	1	16	January	Jan	Monday	1
17-01-2012	2012	1	17	January	Jan	Tuesday	2
18-01-2012	2012	1	18	January	Jan	Wednesday	3
19-01-2012	2012	1	19	January	Jan	Thursday	4
20-01-2012	2012	1	20	January	Jan	Friday	5
21-01-2012	2012	1	21	January	Jan	Saturday	6
22-01-2012	2012	1	22	January	Jan	Sunday	7
23-01-2012	2012	1	23	January	Jan	Monday	1
24-01-2012	2012	1	24	January	Jan	Tuesday	2
25-01-2012	2012	1	25	January	Jan	Wednesday	3
26-01-2012	2012	1	26	January	Jan	Thursday	4

IsWeekend? = IF {6,7} "Weekend", "Weekday"

Multiple OR Logical Can be Replace with "IN"

1 IsWeekend? =
2 IF('Calendar Table'[Weekday] = 6 || 'Calendar Table'[Weekday] = 7 , "Weekend" , "Weekday")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Weekday
12-01-2012	2012	1	12	January	Jan	Thursday	4	Weekday
13-01-2012	2012	1	13	January	Jan	Friday	5	Weekday
14-01-2012	2012	1	14	January	Jan	Saturday	6	Weekend
15-01-2012	2012	1	15	January	Jan	Sunday	7	Weekend

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Text filters
Search
☒ (Select all)
☒ Weekday
☒ Weekend
OK Cancel

1 IsWeekend? =
2 IF('Calendar Table'[Weekday] IN {6,7} , "Weekend" , "Weekday")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Weekend

1 IsWeekend? =
2 IF('Calendar Table'[DayName] IN {"Saturday", "Sunday"} , "Weekend" , "Weekday")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Weekday
12-01-2012	2012	1	12	January	Jan	Thursday	4	Weekday
13-01-2012	2012	1	13	January	Jan	Friday	5	Weekday
14-01-2012	2012	1	14	January	Jan	Saturday	6	Weekend
15-01-2012	2012	1	15	January	Jan	Sunday	7	Weekend
16-01-2012	2012	1	16	January	Jan	Monday	1	Weekday
17-01-2012	2012	1	17	January	Jan	Tuesday	2	Weekday
18-01-2012	2012	1	18	January	Jan	Wednesday	3	Weekday
19-01-2012	2012	1	19	January	Jan	Thursday	4	Weekday
20-01-2012	2012	1	20	January	Jan	Friday	5	Weekday
21-01-2012	2012	1	21	January	Jan	Saturday	6	Weekend
22-01-2012	2012	1	22	January	Jan	Sunday	7	Weekend
23-01-2012	2012	1	23	January	Jan	Monday	1	Weekday
24-01-2012	2012	1	24	January	Jan	Tuesday	2	Weekday
25-01-2012	2012	1	25	January	Jan	Wednesday	3	Weekday

1 ShortDayName = FORMAT('Calendar Table'[Date],"DDD")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Wed
12-01-2012	2012	1	12	January	Jan	Thursday	4	Thu
13-01-2012	2012	1	13	January	Jan	Friday	5	Fri
14-01-2012	2012	1	14	January	Jan	Saturday	6	Sat
15-01-2012	2012	1	15	January	Jan	Sunday	7	Sun

1 IsWeekend? =

2 IF('Calendar Table'[Weekday] = 1 ||

3 'Calendar Table'[Weekday] = 2 ||

4 'Calendar Table'[Weekday] = 3 ||

5 'Calendar Table'[Weekday] = 4 ||

6 'Calendar Table'[Weekday] = 5 ,

7 "Weekday",

8 "Weekend")

IN

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Wed	Weekday
12-01-2012	2012	1	12	January	Jan	Thursday	4	Thu	Weekday
13-01-2012	2012	1	13	January	Jan	Friday	5	Fri	Weekday
14-01-2012	2012	1	14	January	Jan	Saturday	6	Sat	Weekend

✕

✓

1

IsWeekend? =

2

IF('Calendar Table'[Weekday] IN {1,2,3,4,5},

3

"Weekday",

4

"Weekend")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Wed	Weekday
12-01-2012	2012	1	12	January	Jan	Thursday	4	Thu	Weekday
13-01-2012	2012	1	13	January	Jan	Friday	5	Fri	Weekday
14-01-2012	2012	1	14	January	Jan	Saturday	6	Sat	Weekend
15-01-2012	2012	1	15	January	Jan	Sunday	7	Sun	Weekend
16-01-2012	2012	1	16	January	Jan	Monday	1	Mon	Weekday
17-01-2012	2012	1	17	January	Jan	Tuesday	2	Tue	Weekday
18-01-2012	2012	1	18	January	Jan	Wednesday	3	Wed	Weekday
19-01-2012	2012	1	19	January	Jan	Thursday	4	Thu	Weekday
20-01-2012	2012	1	20	January	Jan	Friday	5	Fri	Weekday
21-01-2012	2012	1	21	January	Jan	Saturday	6	Sat	Weekend

✕

✓

1

IsWeekend? =

2

IF('Calendar Table'[ShortDayName] IN {"Mon","Tue","Wed","Thu","Fri"},

3

"Weekday",

4

"Weekend")

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Wed	Weekday
12-01-2012	2012	1	12	January	Jan	Thursday	4	Thu	Weekday
13-01-2012	2012	1	13	January	Jan	Friday	5	Fri	Weekday
14-01-2012	2012	1	14	January	Jan	Saturday	6	Sat	Weekend
15-01-2012	2012	1	15	January	Jan	Sunday	7	Sun	Weekend
16-01-2012	2012	1	16	January	Jan	Monday	1	Mon	Weekday
17-01-2012	2012	1	17	January	Jan	Tuesday	2	Tue	Weekday
18-01-2012	2012	1	18	January	Jan	Wednesday	3	Wed	Weekday

<div> <div>✖</div> <div>✔</div> </div> <pre> 1 IsWeekend? = 2 SWITCH(3 TRUE(), 4 'Calendar Table'[ShortDayName] = "Mon" , "Weekday", 5 'Calendar Table'[ShortDayName] = "Tue" , "Weekday", 6 'Calendar Table'[ShortDayName] = "Wed" , "Weekday", 7 'Calendar Table'[ShortDayName] = "Thu" , "Weekday", 8 'Calendar Table'[ShortDayName] = "Fri" , "Weekday", 9 "Weekend") </pre>										
Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?	
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend	
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday	
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday	
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday	
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday	

<div> <div>✖</div> <div>✔</div> </div> <pre> 1 IsWeekend? = 2 SWITCH(3 TRUE(), 4 'Calendar Table'[ShortDayName] = "Sat", "Weekend", 5 'Calendar Table'[ShortDayName] = "Sun", "Weekend", 6 "Weekday") </pre>										
Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?	
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend	
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday	
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday	
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday	
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday	
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri	Weekday	
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat	Weekend	
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun	Weekend	
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon	Weekday	
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue	Weekday	

```

1 IsWeekend? =
2 SWITCH(
3     'Calendar Table'[DayName],
4     "Monday", "Weekday",
5     "Tuesday", "Weekday",
6     "Wednesday", "Weekday",
7     "Thursday", "Weekday",
8     "Friday", "Weekday",
9     "Saturday", "Weekend",
10    "Sunday", "Weekend")

```

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday	7	Sun	Weekend
02-01-2012	2012	1	2	January	Jan	Monday	1	Mon	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday	2	Tue	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday	3	Wed	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday	4	Thu	Weekday
06-01-2012	2012	1	6	January	Jan	Friday	5	Fri	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday	6	Sat	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday	7	Sun	Weekend
09-01-2012	2012	1	9	January	Jan	Monday	1	Mon	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday	2	Tue	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday	3	Wed	Weekday

Sort ascending
Sort descending
Clear sort

Clear filter
Clear all filters

Text filters
>

☒ (Select all)
 ☒ Weekday
 ☒ Weekend

OK
Cancel

Date	Year	Month	Day	MonthName	ShortMonthName	DayName	Weekday	ShortDayName	IsWeekend?
01-01-2012	2012	1	1	January	Jan	Sunday		7 Sun	Weekend
02-01-2012	2012	1	2	January	Jan	Monday		1 Mon	Weekday
03-01-2012	2012	1	3	January	Jan	Tuesday		2 Tue	Weekday
04-01-2012	2012	1	4	January	Jan	Wednesday		3 Wed	Weekday
05-01-2012	2012	1	5	January	Jan	Thursday		4 Thu	Weekday
06-01-2012	2012	1	6	January	Jan	Friday		5 Fri	Weekday
07-01-2012	2012	1	7	January	Jan	Saturday		6 Sat	Weekend
08-01-2012	2012	1	8	January	Jan	Sunday		7 Sun	Weekend
09-01-2012	2012	1	9	January	Jan	Monday		1 Mon	Weekday
10-01-2012	2012	1	10	January	Jan	Tuesday		2 Tue	Weekday
11-01-2012	2012	1	11	January	Jan	Wednesday		3 Wed	Weekday

Calendar Table (5,109 rows) Column: IsWeekend? (2 distinct values)