

EOMONTH Function

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Returns the serial date number for the last day of the month before or after a specified number of months from a starting date.

Wrangle vs. SQL: This function is part of Wrangle , a proprietary data transformation language. Wrangle is not SQL. For more information, see *Wrangle Language*.

Basic Usage

```
eomonth(myDate, 3)
```

Output: Returns the values for the last date of the month that is three months after the serial date number value in the `myDate` column.

Syntax and Arguments

```
eomonth(start_date, delta_months)
```

Argument	Required?	Data Type	Description
start_date	Y	Datetime	Starting date.
delta_months	Y	integer	Number of months before or after the starting date to apply to the date value.

For more information on syntax standards, see *Language Documentation Syntax Notes*.

start_date

Starting date values from which to compute end-of-month values.

Usage Notes:

Required?	Data Type	Example Value
Yes	Literal Datetime or column reference	LastContactDate

delta_months

Number of months to add to the date value to determine the month whose last date is returned.

- Negative integer values are accepted.

Usage Notes:

Required?	Data Type	Example Value
Yes	Integer	-3

Examples

Tip: For additional examples, see *Common Tasks*.

Example - EOMONTH Function

Source:

In the following table, you can see how the the end-of-month values are calculated from a baseline date of June 15, 2020.

eventId	eventDate	deltaMonth
1	06/15/2020	-24
2	06/15/2020	-18
3	06/15/2020	-12
4	06/15/2020	-6
5	06/15/2020	-3
6	06/15/2020	-2
7	06/15/2020	-1
8	06/15/2020	0
9	06/15/2020	1
10	06/15/2020	2
11	06/15/2020	3
12	06/15/2020	6
13	06/15/2020	12
14	06/15/2020	18
15	06/15/2020	24

Transformation:

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	eomonth(eventDate,deltaMonth)
Parameter: New column name	'deltaMonthSerialDate'

Results:

eventId	eventDate	deltaMonth	deltaMonthSerialDate
1	06/15/2020	-24	43281
2	06/15/2020	-18	43465
3	06/15/2020	-12	43646
4	06/15/2020	-6	43830
5	06/15/2020	-3	43921
6	06/15/2020	-2	43951
7	06/15/2020	-1	43982
8	06/15/2020	0	44012
9	06/15/2020	1	44043
10	06/15/2020	2	44074
11	06/15/2020	3	44104
12	06/15/2020	6	44196
13	06/15/2020	12	44377
14	06/15/2020	18	44561
15	06/15/2020	24	44742