

# EOMONTH Function

## Contents:

- *Basic Usage*
- *Syntax and Arguments*
  - *start\_date*
  - *delta\_months*
- *Examples*
  - *Example - EOMONTH Function*

---

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:**

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	eomonth(eventDate,deltaMonth)
<b>Parameter: New column name</b>	'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