

# EXAMPLE - Date Functions

This example illustrates how a variety of date-related functions can be used to derive specific values out of a column of Datetime type.

- YEAR - Returns the four-digit year value from a Datetime value. See *YEAR Function*.
- MONTH - Returns the two-digit month value from a Datetime value. See *MONTH Function*.
- MONTHNAME - Returns the full month name value from a Datetime value. See *MONTHNAME Function*.
- WEEKDAYNAME - Returns the weekday name value from a Datetime value. See *WEEKDAYNAME Function*.
- DAY - Returns the day of the month as a numeric value from a Datetime value. See *DAY Function*.
- HOUR - Returns the hour value on a 24-hour scale from a Datetime value. See *HOUR Function*.
- MINUTE - Returns the minutes value from a Datetime value. See *MINUTE Function*.
- SECOND - Returns the seconds value from a Datetime value. See *SECOND Function*.

## Source:

|               |
|---------------|
| date          |
| 2/8/16 15:41  |
| 12/30/15 0:00 |
| 4/26/15 7:07  |

## Transformation:

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | YEAR (date)        |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | MONTH (date)       |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | MONTHNAME (date)   |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | WEEKDAYNAME (date) |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |

|                           |            |
|---------------------------|------------|
| <b>Parameter: Formula</b> | DAY (date) |
|---------------------------|------------|

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | HOUR (date)        |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | MINUTE (date)      |

|                                |                    |
|--------------------------------|--------------------|
| <b>Transformation Name</b>     | New formula        |
| <b>Parameter: Formula type</b> | Single row formula |
| <b>Parameter: Formula</b>      | SECOND (date)      |

**Results:**

**NOTE:** If the source Datetime value does not contain a valid input for one of these functions, no value is returned. See the `second_date` column below.

| date                  | year_date | month_date | monthname_date | weekdayname_date | day_date | hour_date | minute_date | second_date |
|-----------------------|-----------|------------|----------------|------------------|----------|-----------|-------------|-------------|
| 2/8/16<br>15:41       | 2016      | 2          | February       | Monday           | 8        | 15        | 41          |             |
| 12/30<br>/15 0:<br>00 | 2015      | 12         | December       | Wednesday        | 30       | 0         | 0           |             |
| 4/26<br>/15 7:<br>07  | 2015      | 4          | April          | Sunday           | 26       | 7         | 7           |             |